

38th MEETING
NATIONAL BIOETHICS ADVISORY COMMISSION

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P R O C E E D I N G S

OPENING REMARKSHAROLD T. SHAPIRO, Ph.D.

DR. SHAPIRO: I would like to call this morning's meeting to order, please.

First of all, let me welcome the commissioners and thank them for being here today. We have a very busy agenda both today and tomorrow.

We will have a number of very distinguished guests who will be speaking to us today, of course, on -- we will have some guests dealing with perspectives from other countries dealing basically more broadly speaking with our international -- what we call our International Research Project.

I will welcome -- they will be welcomed separately in a moment.

The rest of the day, though, once this morning's panel and discussion with this morning's panel is done, will really be spent in discussion between ourselves and Ruth and Alice on aspects of chapter -- what we are calling chapter -- called chapters 3 and 4 if I remember the numbers correctly, which were distributed to you early or late last week and we want to really get into important discussion there and try to resolve issues and focus on the

1 issues that really matter in those chapters.

2 So that will be mostly -- take up most of
3 today once this morning's session is done.

4 Tomorrow we will return, of course, to the
5 oversight of human subjects here in the U.S. We will
6 also have some visitors tomorrow. Indeed, we have
7 quite a number of visitors tomorrow as we try to put
8 together the information we need to carry this project
9 forward.

10 Indeed, tomorrow, I think, we have four or
11 five panels who we will be dealing with during the
12 day. I think we are scheduled to go to roughly 3:00
13 or 3:30 tomorrow afternoon.

14 So it will be a busy time and we have a lot
15 of work to do ahead of us in the next day or so.

16 Before we turn to Ruth to just give us a
17 brief overview of work to date that she -- there is a
18 memo in your materials and so -- but Ruth may or may
19 not want to add anything to that.

20 Let me turn first of all to Eric who has a
21 few words.

22 I think, incidently, the scheme today with
23 today's microphone is you just press this, the light
24 goes on, and then you speak.

25 DR. MESLIN: Let me just again welcome

1 everyone. Especially our guests from overseas.

2 We have handed out a number of things in the
3 briefing book and many of those additional items are
4 in your table folders for commissioners. They are
5 also available for the public.

6 We are hoping that the method of using
7 briefing memos by many of the staff is helpful to
8 commissioners. If you have questions about
9 particularly the legislative update from Ellen Gadbois
10 or the report that I have presented to you, the
11 Executive Director's Report, please feel free to ask
12 us at any time.

13 We are not trying to overwhelm the
14 commissioners with this material but we think that
15 with the addition of the legislative update you will
16 be more caught up on where activities are in Congress.

17 In my report handed out this morning a couple
18 of items of interest, only one of which I will mention
19 briefly, that relates to follow-up from our reports.

20 There is a slight typo in the report but I
21 wanted commissioners to be aware that we are able to
22 write to agencies requesting responses to our reports
23 and we can do that for previous reports as well as
24 those that are being presented, both our former
25 charter and our current charter allow us to do this.

1 So with that, Harold, the only thing I will
2 add is that we have only one person signed up for
3 public comment today. I do not know whether they are
4 here in the room at the moment but as a reminder to
5 all members of the public as a federal advisory
6 committee you are welcome to make comments before the
7 commission.

8 If you wish to do so, please let our staff
9 know at the outside registration desk. The public
10 comment period is scheduled for 1:00 o'clock after
11 lunch today.

12 That is all.

13 DR. SHAPIRO: Thank you very much.

14 Any questions for Eric?

15 DR. DUMAS: I would like to thank Eric for
16 the reports. I find them very helpful.

17 DR. SHAPIRO: Thank you.

18 Steve? But you do not want to speak, right?

19

20 Okay. Thank you very much.

21 All right. Let me now turn to Ruth.

22 Ruth?

23 ETHICAL ISSUES IN INTERNATIONAL RESEARCH

24 OVERVIEW OF WORK TO DATE

25 RUTH MACKLIN, Ph.D.

1 ALICE PAGE, J.D., M.P.H.

2 DR. MACKLIN: Thank you very much. I want to
3 add my welcome to the guests here this morning.

4 I never know whether to repeat what is in
5 this memo as a reminder or just to assume that
6 everyone has memorized it but I will mention just a
7 couple of highlights.

8 DR. SHAPIRO: Well, as long as you do not
9 distance yourself from it.

10 (Laughter.)

11 DR. MACKLIN: No. I take full
12 responsibility.

13 Alice and I have been transforming the bits
14 and pieces that we have presented over the last
15 several months into drafts or partial drafts of
16 chapters and, in fact, as you will and as the memo
17 notes, and as Harold has already mentioned, what we
18 are referring to as chapter 4, that is obligations to
19 subjects, communities and countries, is now a portion
20 of what will be chapter 4 and this follows from some
21 of the -- several of the propositions that we
22 introduced and discussed briefly last time.

23 We are going to discuss that first today -- I
24 mean, this afternoon in our discussion section, and
25 the reason is that this is the first time you are

1 actually seeing the draft materials.

2 The other chapter, chapter 3, which we will
3 turn to second, is one that you have already seen.

4 I mean, that -- much of the text was there
5 before but it is very much expanded now with the
6 addition of the material that Elisa Eiseman prepared
7 and that material followed from -- I forget which
8 meeting. It was the October meeting, I believe, when
9 we had the presentations on the study design.

10 So that is the progress of what we hope will
11 be drafts of chapters or are now partial drafts of
12 chapters.

13 Also, as the memo notes, we have not yet
14 returned to the informed consent discussion, which was
15 the very first substantive material that we discussed.

16 In part because we were waiting for Patty Marshall's
17 final report and, in part, because we are awaiting the
18 results and analysis from the empirical studies that
19 Nancy Kass and Adnan Hyder and Noreen Tesh and Liza
20 Dawson were preparing. So we will return to that
21 and provide a more substantive draft in due time.

22 One other thing to point out, you will notice
23 in the memo there is mention on the second page of a
24 chart. Now this has come to be known around the
25 office as "Stu's chart." Stu Kim has been primarily

1 responsible and working diligently and responding
2 every time Alice or I or anyone else says, "Well, we
3 have to add something else to the chart."

4 It is now -- the last I looked -- I think 44
5 pages. Is it something like that? It is a very
6 comprehensive chart. Probably the first of its kind
7 in the world.

8 And I have just recently communicated with a
9 European colleague who has a grant from the European
10 Union to do very much what this commission is doing.
11 His name -- some of you may know him -- his name is
12 Ryder Lee.

13 And I shared with him the chart in progress
14 and he made some comments so Stu's chart may have to
15 be copyrighted and world renowned.

16 So we did not distribute it partly because of
17 its large size but if anyone would like a copy it can
18 be made available. Okay. We did not think everyone
19 would want to see it immediately but anyone who wants
20 it may have the full 44 pages if you promise to read
21 it.

22 So I think that is all I will say by way of
23 introduction.

24 DR. SHAPIRO: Ruth, when are we expecting --
25 I am sorry. When are you expecting the results of the

1 studies that you are waiting for on the informed
2 consent issue?

3 DR. MACKLIN: Nancy Kass has communicated
4 with us begging for a little more time. She actually
5 was very heartened by the response rate to the
6 empirical study and said it was extremely good news.
7 I mean, I, not being an empirical scientist, I do not
8 know what the usual response rates are but people who
9 do social science surveys are often disappointed at
10 the response rate.

11 Interestingly and just coincidentally, I
12 happened to be at a meeting and spoke to someone whose
13 husband was sent the survey and she said he probably
14 would have tossed it in the wastebasket but for the
15 coverage page which said, "National Bioethics Advisory
16 Commission."

17 So the imprimatur of the commission
18 apparently has led some people who otherwise would
19 have ignored the study to respond.

20 So Nancy Kass will be coming to the office, I
21 guess, to share with the staff current -- the current
22 status and some preliminary findings and I think we
23 will be able to use those in beginning a draft of that
24 chapter but realistically the completed study -- and
25 this is Nancy Kass' study -- is slated for June, I

1 think, she said.

2 DR. SHAPIRO: Thank you. Jim?

3 DR. CHILDRESS: Ruth, in your memo you
4 mentioned some of the difficulties you have had in
5 trying to get the pharmaceutical industry involved and
6 yet you also say we hope to hear testimony from
7 private industry later.

8 Could you say a bit about the reasons that
9 are given for declining to participate?

10 DR. MACKLIN: I cannot but I am going to ask
11 Eric and Harold to say what they know and perhaps
12 Alice has something to add.

13 DR. SHAPIRO: Eric?

14 DR. MESLIN: We were hoping that Nancy Kass'
15 survey, which is principally involving academic
16 researchers, could be replicated identically with
17 industry itself and with discussions that we have had
18 with representatives from industry we were made aware
19 of concerns that they had about that actual
20 replication.

21 So while the involvement in the survey
22 itself, the identical survey, is probably not going to
23 occur, we have communicated with them our hope that
24 there are a number of ways that they can be engaged
25 and to participate, both by giving testimony, by

1 commenting on drafts, by submitting white papers and
2 doing as many things as possible to reflect their
3 views and concerns.

4 Our goal was obviously to get as much
5 information as we could and we still hope to get that
6 information.

7 DR. SHAPIRO: Alex?

8 PROF. CAPRON: Two points. Where do you
9 stand with Nancy Kass and Joan Atkinson on the
10 subjects study? That is the first question.

11 DR. MESLIN: As with all studies that we
12 commission where human subjects are involved we have
13 to both ensure that there is domestic approval and
14 because we are a government agency to obtain the
15 necessary clearances from OMB we are inquiring about
16 the OMB issue right now.

17 I do not know whether Rachel has any more
18 information but we have begun the process of inquiring
19 as to whether that will occur, meaning OMB approval is
20 required for this type of study. If it is, then we
21 will have to make a decision as to whether the time
22 period that it will take to get the approval is
23 permissible for the commission. And if it is not
24 required then obviously the study can begin ASAP.

25 DR. SHAPIRO: Rachel, do you have any further

1 information?

2 DR. LEVINSON: As Eric and I discussed when
3 we first -- he sent in a note about this. It looked
4 like a much more extensive survey than the original
5 one and that it would probably require OMB approval as
6 the other one did but OMB has not made a formal
7 decision on that.

8 DR. SHAPIRO: Alex, your second question?

9 PROF. CAPRON: Yes. The second point is I
10 think the answer you just gave to Jim Childress
11 alleviates some of the concern I had but in Ruth's
12 memo the notion that private industry was in some
13 sense going to be unresponsive when so much of what we
14 are talking about here, and many of the most
15 problematic issues that have arisen have involved
16 privately sponsored research struck me as totally
17 unacceptable for our report.

18 And I was thinking of times -- I mean, when
19 we are in Madison we are not all that far from Upjohn
20 in Kalamazoo, and there are other times -- I mean, I
21 cannot imagine Pfizer and Schering and others not
22 being responsive. I mean, it would just seem to me
23 unacceptable for our report and I hope that whatever
24 is going to happen by way of negotiation with them
25 that we will have at least as much data as we have

1 gotten from looking at work that is sponsored by CDC
2 or the World Bank or whatever.

3 I just cannot imagine that we would have that
4 huge lacuna and basically say that industry had been
5 unwilling to be responsive.

6 DR. MESLIN: I agree with your point and I
7 think both the staff and others agree as well. The
8 issue is not whether they will be involved but how and
9 in what way. And the concern at least with respect to
10 the survey instrument was that it was not the most
11 effective way of them to communicate those views.

12 So we are exploring every possibility and
13 making available as many opportunities as we can, and
14 we hope to see if not a roundtable at the next meeting
15 in April then one in May that will allow for the
16 private sector to communicate to the commission not
17 only their views about the international report but
18 about the oversight report as well.

19 So there is not -- it is not focused on one
20 project but rather the goal of private funding and
21 issues related to industry sponsorship.

22 DR. SHAPIRO: Ruth?

23 DR. MACKLIN: Well, one more point.

24 Alex, you used the word "data."

25 We wanted or hoped for responses to a survey,

1 which would provide data.

2 PROF. CAPRON: Right.

3 DR. MACKLIN: Any other approach, including
4 the round table, will give us information but not data
5 in the sense that would be analogous to what we are
6 getting from the others. So the only way we could get
7 data would be either by a response to our overture or
8 by a willingness on the part of the organization to
9 conduct a similar survey.

10 PROF. CAPRON: Well, you made a comment
11 earlier, which I found to be true of the President's
12 Commission as well, that is to say that Nancy was
13 reporting -- I guess actually it was our chairman who
14 said that Nancy was reporting that she got a better
15 response -- no, you. Excuse me. You were the one who
16 said it, yes. In any case she got a better response
17 rate because it was a presidentially appointed
18 commission and I think that is a general experience.

19 I would hope that if it requires a vote of
20 this commission to indicate that we are not in a
21 situation where a researcher is asking for some
22 information but that this commission wants that
23 information and it would strike me as exceptionable
24 for the drug companies to basically say that somehow
25 their researchers are unable to provide comparable

1 information. And, indeed, in effect to give responses
2 to the same kind of survey.

3 I am amazed that that should be the case. We
4 are not talking here about the kinds of points that
5 ought to raise the sensitivities. I mean, we are not
6 asking for proprietary data.

7 And if, Mr. Chairman, we -- it requires this
8 commission to go on record that you personally request
9 that information -- I gather there have been some
10 conversations, perhaps informal conversations with a
11 couple of the drug company executives, I would like
12 the commission to give you and our contractor and our
13 staff as much backing as possible to get data from
14 that source.

15 And I agree with Ruth, data, not simply some
16 anecdotal statements at a roundtable as important as
17 it will be to hear from those executives.

18 DR. SHAPIRO: Well, we are currently in
19 discussions on exactly these kinds of issues and I
20 will just take it the commissioners strongly support
21 our attempts to achieve that, and we will report back
22 at the next meeting if not before on that issue
23 because I think it is important. I quite agree with
24 you.

25 Tom?

1 DR. MURRAY: I have been waiting a while to
2 ask this so some of it has gone under the bridge but,
3 Eric, in your description of your interactions with
4 pharmaceutical companies, you gave us nothing of the
5 substance of their objections. You just told us that
6 they were not going to complete the survey.

7 I wonder if we can hear anything about the
8 nature of the reasons cited for that?

9 And I have a second question that is
10 unrelated to this.

11 DR. MESLIN: I can make available to
12 commissioners the correspondence between the
13 Pharmaceutical Manufacturers Association and the staff
14 relating to this issue with whom we have had these
15 discussions but without going into extensive detail of
16 the pieces of paper which will provide that
17 information, and we will do that, I will summarize it
18 as follows:

19 There were concerns about the applicability
20 of some of the questions to privately sponsored
21 researchers as contrasted with academic researchers.
22 And we will also make available the survey instrument
23 to commissioners. You have seen this before but we
24 will share it again so you can make that assessment.

25 Secondly, there were concerns about the time

1 that it might take to do this.

2 Third, there were concerns about the type of
3 interpretation that might be made of the survey
4 responses.

5 I think that summarizes the three areas of
6 concern as fairly as I can.

7 DR. SHAPIRO: It does not sound too
8 reassuring, does it, Tom?

9 DR. MURRAY: No.

10 Can I follow-up?

11 DR. SHAPIRO: Yes.

12 DR. MURRAY: This is not about the
13 international survey. This is about the Executive
14 Director's memo, Eric's memo to us that was in the
15 folder so I just saw it this morning.

16 A very helpful memo. Thank you.

17 It was in this folder and it reminds me that
18 we have a -- we have the power at NBAC to direct our
19 recommendations to particular agencies of government
20 and then they must respond within 180 days.

21 Have we done this as a routine? I guess I --
22 given the human biological materials report, have we
23 tasked any specific agency or agencies of the
24 government to respond to that and, if not, should we -
25 - I think we should do that and then we have to decide

1 which one and, in fact, we should always make it a
2 practice it seems to me any time we issue a report to
3 specifically identify the agencies from which we would
4 like to have a response.

5 DR. MESLIN: The answer to the first part of
6 your question is, no, we have not specifically tasked
7 agencies to respond to recommendations in the report
8 on research involving persons with mental disorders
9 that may affect decision making capacity, the report
10 on human biological materials, or the report on stem
11 cell research.

12 Those -- the first two reports that I
13 mentioned, the "Capacity Report and the HBM Report,"
14 have been sent, as has the stem cell report, to the
15 NSTC as is required.

16 As I mentioned in my memo the first of those
17 reports is being reviewed and, if I hear what you are
18 saying, should we be doing this, then if it is the
19 will and wish of the commission that a letter be sent
20 then I am more than happy to prepare a letter or Dr.
21 Shapiro would.

22 I can tell you that I have had conversations
23 with some agency representatives as well as
24 individuals from OPRR and others and I do not think
25 anyone would be opposed to receiving such a letter

1 because, in fact, this review is either underway or is
2 intended to be underway.

3 It is, however, a particular instrument. The
4 requiring of a response in a particular time that I
5 would just remind commissioners, you know, should be
6 used in an appropriate way because we have many
7 consumers of the recommendations. It is not just
8 agencies. There are some subdepartments. There are
9 private sector companies -- private groups as well.
10 But there is nothing to prevent us from sending a
11 letter even a letter about a report that predated the
12 October 20th revision of the charter.

13 DR. SHAPIRO: Alta is next. And then we will
14 have one or two more questions, then I want to turn to
15 our panel.

16 PROF. CHARO: This is brief. Thanks very
17 much.

18 First, let me say on the record what I said
19 privately before, which is that I thought the
20 materials on this topic in the book were
21 extraordinarily well-developed and now that I have
22 seen the chart that Stuart is preparing it looks like
23 something that should be sent up by NASA, you know,
24 for contact with extraterrestrial species all the
25 things we do here.

1 Specifically on it, however, I was gratified
2 to see something here about compliance and enforcement
3 provisions and the sanctions that can be applied. I
4 think this is a crucial area but it has been my
5 experience as a law teacher that many things exist on
6 the books that are rarely used in practice.

7 How realistic is it to try and match the
8 provisions for sanctions with the actual use of those
9 provisions in any situation ever for each of the
10 countries that have been listed?

11 DR. MACKLIN: I think you asked how useful it
12 would be. The answer --

13 PROF. CHARO: How realistic?

14 DR. MACKLIN: Yes. Okay. Well, the question
15 is how one would go about doing that. One hears
16 frequently probably in this country as well as
17 elsewhere but I have hard -- particularly I can think
18 of a colleague in Argentina who says we have all these
19 laws -- and in Mexico. Two places where I have
20 colleagues.

21 We have all these laws on the books but there
22 is very little enforcement, and these are laws of all
23 sorts. Everything from informed consent -- I mean, in
24 this area, everything from informed consent to review
25 of research by independent, ethical review committees.

1 So to find out something realistically who
2 would one ask and how would we go about doing it? If
3 one asked people in official capacity, my guess is no
4 one in an official capacity is going to say, "Oh, yes,
5 we have these laws but we do not enforce them."

6 So one would then have to develop another
7 instrument or have some kind of systematic survey in
8 the countries or in the places where the answers on
9 Stu's chart say, "Yes, there is an enforcement
10 mechanism and there are sanctions," and try to find
11 out from the individuals in that country just what
12 really happens. So realistically I fear it is
13 probably something we cannot do.

14 PROF. CHARO: Just -- and, of course, you
15 could say exactly the same thing about the United
16 States in terms of laws on the books that never get
17 enforced but maybe we can pursue this later with the
18 staff, a discussion about possible ways to identify
19 people to ask.

20 DR. SHAPIRO: Thank you. We, of course, can
21 come back to any of these subjects later but, Larry,
22 you had a question and then I want to really -- we can
23 come back to issues later. I want to turn to the
24 panel.

25 DR. MIIKE: Just a follow-up. A follow-up to

1 Tom's question. Are we tracking what has happened to
2 our reports such as HBM and Impaired Capacity because
3 we have very specific recommendations in there
4 directed at specific people?

5 DR. MESLIN: If -- by "tracking," do you mean
6 finding out whether government agencies have
7 implemented any? Yes. And the answer is none of the
8 recommendations in either of the reports have been
9 implemented yet by any agency.

10 DR. MIIKE: But I would like to see more than
11 that, which is that how receptive are they, are they
12 actually looking at it. We do not need to wait until
13 they actually formally accept certain things.

14 DR. MESLIN: The second version of the answer
15 is there are a number of indirect ways of finding out
16 that the recommendations from the Capacity Report are
17 or have been implemented in some ways, including
18 things that NIH has done to follow-up with their
19 intramural program at NIMH, for example.

20 With respect to HBM, I mentioned at the last
21 meeting that not only have many IRBs and investigators
22 informally been telling staff that they have found the
23 HBM report to be very helpful.

24 So, too, has OPRR mentioned to us informally
25 that they have felt that the report has been very

1 helpful to them in responding to requests for
2 information and interpretation of the federal regs
3 regarding this area of research.

4 So the -- we are tracking both the formal
5 responses and waiting for the Committee on Science and
6 HHS to respond to the recommendations on both of those
7 reports but we are also tracking informal responses,
8 which I must say are quite gratifying particularly on
9 the HBM report.

10 DR. SHAPIRO: Thank you.

11 We can revisit any and all of these issues
12 later on this morning or this afternoon as need be but
13 we do have a wonderful panel here this morning,
14 including one member of the panel who is here in a
15 delayed fashion having been delayed and unable to make
16 our last meeting when it was scheduled.

17 Let me turn to Eric or to Ruth to introduce
18 the panel.

19 PANEL I: PERSPECTIVES FROM OTHER COUNTRIES

20 DR. MACKLIN: Thank you very much.

21 We are honored to have the panelists seated
22 at the table and, unfortunately, one of the invited
23 panelists at the last minute was unable to join us.

24 This was Dr. Doumbo from Mali and apparently
25 there was some problem with a visa, some technical

1 problem or bureaucratic problem, and that is
2 unfortunate.

3 But the panelists who are here -- and I will
4 just briefly introduce them all at the outset and then
5 their words will speak for themselves.

6 First, we have Dr. Jean Pape from the Faculté
7 de Médecine et de Pharmacie de l'Université d'État
8 d'Haiti in Port-au-Prince, Haiti.

9 Dr. Grace Malenga from Queen Elizabeth
10 Central Hospital and University of Malawi College of
11 Medicine in Malawi.

12 And Dr. Christopher Plowe from the University
13 of Maryland Medical School who is representing the
14 American Society of Tropical Medicine and Hygiene.

15 So without further ado, let's begin with Dr.
16 Pape.

17 JEAN W. PAPE, M.D.,
18 FACULTÉ de MÉDECINE et de PHARMACIE
19 de l'UNIVERSITÉ d'ÉTAT d'HAITI
20 PORT-AU-PRINCE, HAITI

21 DR. PAPE: Thank you very much for the
22 opportunity to present to you and share with you some
23 of my experience working in Haiti for the past 20
24 years.

25 (Slide.)

1 I have been wearing two hats for the past 20
2 years since I have been -- I am still a faculty member
3 at Cornell University Medical College, a faculty
4 member at the University of Haiti, and director of a
5 nongovernmental organization in Haiti.

6 My field of expertise is infectious diseases
7 and what I hope to do is present to you at this time
8 as a Haitian the difficulties of complying with U.S.
9 regulations and at the same time presenting to you the
10 positive and negative aspects of collaborative
11 research and some suggestions to improve things in
12 this area.

13 (Slide.)

14 The Cornell experience in Haiti has involved
15 research, training and services.

16 (Slide.)

17 I will be mentioning something about each of
18 them.

19 In the area of research we can say that the
20 collaboration has had a direct impact on the life of
21 the Haitian people, both the impact on diarrheal
22 diseases, on HIV/AIDS, to only mention those two.

23 The possibility to apply and obtain NIH
24 support. We have had NIH support continuously since
25 1982.

1 And Cornell involvement has supported the
2 creation of a Haitian AIDS Research Team that was
3 initiated in 1982.

4 (Slide.)

5 Now let's turn to infantile diarrhea. This
6 was our first project in 1979, which essentially
7 involved determining the causes of infantile diarrhea
8 and improve the management of children with
9 dehydration.

10 We are able to decrease the in-hospital
11 mortality from 40 percent to one percent.

12 This project led to the creation of a
13 national program to fight diarrhea with our unit as a
14 training center. To date over 13,000 medical
15 personnel and over 100,000 parents were trained.

16 And the overall impact has been a decrease in
17 national infant mortality from 140 per 1,000 in 1982
18 to 74 per 1,000 in 1994. This occurred despite the
19 presence of AIDS and worsening economic conditions.

20 (Slide.)

21 This is a slide that depicts the case
22 fatality rates for diarrhea at the State University
23 hospital where we work. In orange is the admission
24 curve from 1968 to 1993 and in green is the mortality
25 curve. The arrow indicates when we started working

1 and as you can see there was a rapid decrease in
2 infant mortality to a low of one percent, which is the
3 level it is now.

4 (Slide.)

5 There has been also a major impact on HIV
6 associated diarrhea in adults and children. Our
7 research found the causes and treatment of HIV
8 associated diarrhea for isospora and cyclospora. We
9 have trained over 800 physicians in the management of
10 these conditions and actually it has been very
11 difficult to find any such cases at least in
12 metropolitan areas since physicians know how to treat
13 them.

14 (Slide.)

15 Perhaps the greatest impact has been
16 psychologically to remove the CDC 4H label for
17 Haitians. I remind you the 4H was -- meant the risk
18 factors were homosexual, heroin addicts, hemophiliacs
19 and Haitian was the fourth H.

20 Two risk factors that are found in most
21 countries, including one of the first time that Haiti
22 (sic), was sexual transmission was found as a major
23 risk factor.

24 (Slide.)

25 Now in the area of training I will be very

1 brief. You can see that there have been almost 3,000
2 people trained in HIV, STD's, tuberculosis and
3 counseling from 1992 to 1999, including laboratory
4 technicians, social workers, nurses, physicians and
5 community leaders.

6 (Slide.)

7 But also a major impact has been on patient
8 care. Our centers receive 100,000 patient visits per
9 year. It is the National Referral Center for
10 Infantile Diarrhea, the National Referral center for
11 HIV/AIDS, the National Referral Center for sexually
12 transmitted diseases, and the Main Referral Center for
13 Tuberculosis.

14 (Slide.)

15 Closer to home, this project, the Cornell
16 Program, has had a major impact on the creation of
17 ethical committees. First our own committee in 1984,
18 which was the first in Haiti, and with the coming of
19 HIV vaccine trials we have been pushing very hard for
20 the creation of the National Bioethics Committee,
21 which actually took place last year.

22 (Slide.)

23 This is the composition of our institutional
24 IRB. As you can see of the ten members only three are
25 related to GHESKIO. The others are not.

1 (Slide.)

2 Now let's turn to some negative aspects of
3 the collaboration and with Cornell and other U.S.
4 universities. There has been a feeling with my
5 colleagues that there has been the patronizing
6 influence of US IRBs. That is we know what is best
7 for your study participants in your country and we
8 know how best to inform volunteers in your own
9 country.

10 And although I am familiar with IRBs at
11 Cornell in particular and know that members of IRBs
12 mean well, I also realize that it has been difficult
13 for IRB members to understand anything with which they
14 are not familiar. Most members have never worked
15 overseas and most of them have never set foot in
16 developing countries.

17 (Slide.)

18 This is the example of one thing that
19 happened with a drug, thiacetazone, that was used in
20 most countries, in developing countries, to treat
21 tuberculosis. This drug was approved by the World
22 Health Organization and the Haitian Ministry of
23 Health.

24 In 1982 we observed nine cases of Stevens
25 Johnson syndrome. This fatal dermatologic disorder

1 occurring all in patients with AIDS being treated for
2 tuberculosis. And we had planned already at that time
3 in 1982 to study 40 AIDS patients. Twenty would be
4 treated with thiacetazone and 20 not on the drug.
5 Please note that we were not placing those patients on
6 the drugs. This was common policy to put them on the
7 drugs by the National TB Program. And our endpoint
8 was the occurrence of dermatological reactions.

9 Well, thiacetazone not being FDA approved for
10 use in the U.S. this study could not be done and we
11 had to wait eight years later for a similar study
12 conducted in Zambia that showed that AIDS patients on
13 thiacetazone were much more likely to develop Stevens
14 Johnson syndrome and, therefore, the drug was banned
15 for patients who were jointly infected with HIV and
16 TB.

17 (Slide.)

18 Another example involved the U.S. Agency for
19 International Development. It is an ethical principle
20 that research patients should benefit somehow and the
21 minimal acceptable benefit is the treatment of
22 diseases diagnosed during a study.

23 Because USAID regulations prevent the
24 purchase of non-U.S. manufactured drugs, although in
25 the project we had funds to purchase the drugs, we

1 could not do so. This barrier was eventually overcome
2 by a national agency called PROMAS, financed by USAID
3 that provided the drugs not manufactured in the U.S.

4 (Slide.)

5 Now I will turn to the complexity of ethical
6 clearance because I think that this is the area where
7 collaboration has been the most difficult. Both the
8 complexity of the IRB process, the IRB forms and
9 consent forms.

10 (Slide.)

11 The complexity of the IRB process. As you
12 know for any given project there are multiple IRB
13 clearances. Each IRB meets once a month at different
14 times. Each IRB uses different presentations and
15 consent forms. Each IRB has a different set of rules.
16 Some accept oral consent. Others written consent.
17 Others written consent with witnesses, without
18 witnesses. And depending on who the witnesses are,
19 each IRB responds with different comments that must be
20 addressed, a different time period for approval and,
21 therefore, different time for yearly renewal.

22 This process can take six to 12 months before
23 all the obstacles are removed for a project whose
24 duration is 12 to 24 months.

25 (Slide.)

1 This is an example. We are ready now to
2 start HIV vaccine trials in Haiti. We needed the
3 approval by our own institutional IRB. The project
4 had to be translated in French. The consent form in
5 Creole. We needed approval of Vanderbilt IRB because
6 Vanderbilt was one of the partners. Approval also by
7 Cornell IRB, which required actually the back
8 translation in English of the consent form that was
9 translated in French and this had to be done by an
10 independent person.

11 We needed approval of the National Bioethics
12 Committee, the benediction of UNAIDS Ethics Committee
13 and eventually the approval by OPRR with the issuance
14 of an SPA number.

15 (Slide.)

16 Now although I am essentially on the staff at
17 Cornell, we have the possibilities to work with other
18 universities, both in the U.S. and in other developed
19 countries. And, therefore, every time a French or
20 Canadian project that we do in collaboration has to be
21 approved, it must be submitted to Cornell and our
22 friends in Canada and France feels that this is viewed
23 as U.S. imperialism.

24 (Slide.)

25 Now there is a very specific problem that may

1 occur and that occurs when local and overseas IRBs
2 disagree about specific issues. There is no mechanism
3 to resolve this conflict anywhere.

4 (Slide.)

5 Now the complexity of the consent forms.
6 They are clearly too lengthy and over the past 22
7 years I have found that they get more and more
8 complicated. The language is too complex. They
9 appear to be more concerned about legal implications
10 for sponsor agencies than concern with the welfare of
11 the volunteers.

12 We cannot read them to volunteers because the
13 only time a volunteer had legal or a document like
14 this read to him was when he was in a court of law and
15 had to sign some kind of papers. So this is changing
16 the trust relationship that we have with our
17 participants and, therefore, we have to explain it
18 step-by-step.

19 The required back translation is often
20 inappropriate. And, most importantly, it does not
21 guarantee that volunteers have really understood the
22 objective of the study, the risks and advantages, and
23 their voluntary participation.

24 I have heard many people in developing
25 countries say, "Okay. You give us a 20 page form. We

1 will have people sign it if this is what you want."

2 But what is the guarantee for the volunteer?

3 (Slide.)

4 Now I would like to make some suggestions to
5 improve the process. First, to decrease the
6 complexity of ethical clearance. We feel that there
7 should be a unique IRB and consent form for all U.S.
8 NIH sponsored studies.

9 This is crazy that we have to fill out
10 different forms for Cornell, different forms for
11 Vanderbilt and, since Harvard is sometimes involved,
12 for Harvard as well. With the aim eventually of
13 having forms that would be applicable worldwide.

14 (Slide.)

15 How to solve conflict between IRBs from
16 developed and developing countries. We feel that very
17 often the IRBs do not trust each other. They do not
18 understand each other. Therefore, we propose a yearly
19 meeting of IRB members from sponsoring and host
20 institutions.

21 And those meetings could take place
22 alternatively in each country and perhaps to decrease
23 costs it could be the head of one IRB that would go
24 and meet and work with them and see that there are
25 sets of rules and working documents. And eventually

1 the host country should decide on the details on how
2 best to proceed as long as the general ethical
3 principles are respected.

4 (Slide.)

5 We feel that U.S. IRBs, and this is the
6 reality, they have no mechanism, and this was just
7 mentioned here earlier before the presentation, to
8 ensure compliance to ethical principles. And we feel
9 that it should be the responsibility of the host
10 country's IRB to ensure compliance with ethical
11 standards. And, therefore, if they understand each
12 other they can define the sets of rules and
13 regulations that would make the process work.

14 (Slide.)

15 In our experience we have had one person
16 totally dedicated to ethical issues. That person
17 prepares and submit with the head researcher in charge
18 of that study IRB forms and consent; counsel potential
19 volunteers about all aspects of the project; help
20 develop a test questionnaire which all potential
21 volunteers must pass before obtaining a consent form,
22 obtain the consent forms; ensure that one copy stays
23 in the chart, another one with the volunteer, and the
24 other one in our file; obtain all IRB renewals that
25 come at different periods; and most importantly be

1 available to answer all volunteers' concerns and
2 comments.

3 (Slide.)

4 We feel that we should use the waiting
5 ethical clearance period to counsel and inform
6 potential volunteers. It should not be a period where
7 nothing is done. A simple questionnaire should be
8 developed that addresses the most critical concerns.
9 Perhaps 22-24 questions at most. The potential
10 volunteer should pass that test before obtaining a
11 much more simple informed consent. If he has passed -
12 - if he passed that questionnaire test we know he has
13 understood because that questionnaire test involves
14 multiple counseling sessions before he can arrive at
15 passing that test.

16 (Slide.)

17 But now in a practical way this very often
18 cannot be done because there is no support for such a
19 person and we feel that every grant should include 10
20 to 20 percent to support an ethical person or an
21 ethical unit in the host country with the primary
22 responsibilities to prepare and submit to the head
23 researcher all IRB forms and consent, consult
24 potential volunteers, develop the test questionnaire
25 that will be administered by the local IRB.

1 But to make this happen the funds should be
2 available for the ethical unit or person before final
3 ethical clearance.

4 (Slide.)

5 In summary, we at Cornell and in Haiti found
6 that the 20 years experience has been very positive
7 and we feel that it is possible for research teams to
8 meet the highest ethical standards in developing
9 countries provided the following:

10 Consent process must be simplified.

11 There is a greater understanding of the role
12 of IRBs from host and sponsored country or countries.

13 And there is support of ethical unit in host
14 country.

15 Thank you very much.

16 DR. SHAPIRO: Thank you very much.

17 I would like to take a -- if there are
18 questions now I would like to take at least a limited
19 number of questions dealing with the presentation
20 while it is fresh in our mind before turning to Dr.
21 Malenga in just a few moments but we cannot go on too
22 long since I want to be able to get to the other
23 panelists.

24 Tom, then Larry and then Alex.

25 DR. MIIKE: Just a very specific question.

1 You mentioned in terms of the percent of funds from
2 the grant to support the consent process, 10 to 20
3 percent, is that -- that seems a lot in terms of the
4 proportion of the proportion of the grant monies.

5 DR. PAPE: Well, it depends. If it is a
6 grant, \$150,000 grant, 10 percent would be \$15,000
7 that would be available to help support one person
8 that is fully dedicated to that and we feel that
9 unless there is one person fully dedicated to that
10 everything that is being prepared by U.S. IRBs here
11 and your regulations that is being asked will not be
12 implemented.

13 DR. SHAPIRO: Okay.

14 Tom?

15 DR. MURRAY: Thanks, Harold.

16 Dr. Pape, you mentioned that back translation
17 of consent forms is sometimes inappropriate. I would
18 appreciate hearing more about the reasoning behind
19 that claim. We realize that translation and back
20 translation can be complex but what makes you
21 skeptical about its usefulness?

22 DR. PAPE: Well, very often the meaning
23 changes and particularly when it is translated in
24 language like Creole, which does not have many of the
25 complex wording that exists in English or in French.

1 It makes it very hard afterwards to be translated back
2 into English.

3 DR. MURRAY: How is a research ethics
4 committee, an IRB, then to know how accurately the
5 translation conveys the information about risks,
6 benefits or lack of benefits at all?

7 DR. PAPE: That is exactly my point. I think
8 that you have to work with local IRBs. It should be
9 their concern and even if you have the best back
10 translation you still do not know whether this is
11 actually implemented and it should be their role since
12 they are right there to make sure that this is done
13 and this can be done very easily. We just need
14 understanding between IRBs from both countries.

15 DR. MURRAY: Thank you.

16 DR. SHAPIRO: Alex?

17 PROF. CAPRON: I want to thank you for one of
18 the most interesting and informative and challenging
19 presentations I think we have had in our existence.

20 I wanted you to clarify one point in your
21 example about the drug that was being used for the TB
22 patients and the inability to study it.

23 Did that inability arise specifically because
24 you were a U.S. based researcher? Was that the origin
25 of it?

1 DR. PAPE: Yes, essentially.

2 PROF. CAPRON: And so that a non-U.S. based
3 research in Haiti could have done the study because
4 the drug was in common use in Haiti. Is that --

5 DR. PAPE: Absolutely.

6 PROF. CAPRON: Okay.

7 DR. PAPE: Absolutely.

8 PROF. CAPRON: Thank you for the
9 clarification.

10 DR. SHAPIRO: Bernie?

11 DR. LO: I also want to thank you for a
12 really stimulating presentation and I guess first I
13 hope that you will be able to make available the text
14 of your remarks so we can read them and think about
15 them some more. There are some excellent suggestions.

16 One of the things I heard you say was to make
17 a very clear distinction between the consent form and
18 the actual understanding of the research participant
19 about the nature of the research, the risks and the
20 potential benefits. And it seems to me you made some
21 very thoughtful suggestions as to how you might ensure
22 understanding rather than sort of create longer and
23 more complex consent forms.

24 And two of the things you suggested were
25 first to use this long waiting period to get the

1 ethical clearance to educate potential subjects and
2 the second one was to actually directly assess what
3 potential subjects -- participants understood about
4 the project.

5 I am particularly interested in the second
6 suggestion which seems to have implications in the
7 U.S. as well as other countries. Have you devised
8 such questionnaires and could you make them available
9 to us that might serve as sort of models for others to
10 consider?

11 And, secondly, is there agreement among your
12 research team as to what the essential -- I think you
13 said 20 -- aspects of the study had to be?

14 Some of the things we have heard in this
15 country are that people really do not understand it is
16 research. They think it is therapy. They do not
17 understand the idea that treatment is assigned by
18 chance if it is a randomized trial as opposed to the
19 judgment of the individual physician.

20 At what level -- what sort of things -- I
21 mean, I think the ethical issue is what do people need
22 to know about a study to be able -- for them to be
23 able to give truly informed consent? And if you could
24 help us sort of establish what those criteria are and
25 how to test them I think that would be a very useful

1 contribution.

2 DR. PAPE: Thank you for this question. I
3 think it is very important and we feel that the very
4 lengthy consent form describes risks that are minimal
5 and putting them at the same level as very important
6 ones.

7 For instance, when you tell a participant
8 that you are going to have a black and blue mark --
9 well, first of all, in black patients it is not a
10 black and blue mark but a mark because you are -- and
11 you may feel faint because you have your blood drawn.

12 Most people know that. They have had at least once
13 in their life their blood drawn.

14 We feel that it is very different than
15 telling them that the study will involve taking 200
16 cc's of blood in a manner that they will understand
17 each three -- every three months or every six months.

18
19 This is very different and we would put that
20 in our questionnaire that are you aware that this
21 study will involve taking, let's say, two bottles --
22 one bottle of Coke every six months or every three
23 months of blood, something that they can relate to.

24 DR. SHAPIRO: Thank you.

25 Diane?

1 DR. SCOTT-JONES: Thank you for your
2 presentation.

3 I was wondering if you could say a little bit
4 about how -- about the extent to which U.S.
5 researchers are working in Haiti. For example, is
6 your project one of many or one of a few projects that
7 involve U.S. researchers?

8 And, also, I was wondering how typical it is
9 for there to be researchers who both have an
10 appointment at a U.S. university and also an
11 appointment in Haiti so that they are genuinely of
12 both the foreign country and the host country?

13 DR. PAPE: Well, to answer the second
14 question first I think I am the first one at Cornell
15 to be working as a full-time professor overseas. In
16 Haiti, unfortunately, we have lost some researchers
17 from Johns Hopkins in particular and this was related
18 sometimes to bad press publicity, which is very
19 unfortunate.

20 Actually this is another point that I would
21 like to raise. The lay press has become the judge on
22 how research is conducted in developing countries and
23 I think it is fine that the press should be involved
24 and discuss such matters but at least one should have
25 some opportunity to reply. And even in cases where

1 you are allowed 100 words your answer is not
2 guaranteed. And, therefore, the public only has one
3 side of the story and you never have any other way to
4 present the other side.

5 From our standpoint we had an article in the
6 Times that described one aspect of the research. We
7 sent a reply that was never acknowledged, which in the
8 four days period never published, and if we had not
9 been working there for a long time and people were not
10 aware of what we were doing, this would have flushed
11 entirely a 20 year program and the end result would
12 have been bad for the Haitian people.

13 DR. SHAPIRO: Thank you.

14 Alta?

15 PROF. CHARO: I would also like to add my
16 thanks, Dr. Pape.

17 I am sure you know that as somebody who is a
18 faculty member of Cornell many of your concerns
19 resonate even domestically with the problems we have
20 here with this system. It is certainly magnified when
21 we cross boundaries.

22 I would like to ask you to comment on
23 something that goes a little bit beyond your talk but
24 is the focus of a lot of interest for the commission
25 and that is to discuss perhaps your experience

1 concerning the provision of services and medical
2 devices or drugs that are being studied after the
3 study has completed.

4 What has been your experience in terms of the
5 expectations of the investigators and of the subjects
6 themselves with regard to what will happen after the
7 study? Do your national guidelines say anything about
8 this? Indeed, you mentioned national guidelines but I
9 am not familiar with them. So to the extent that you
10 would like to say a few words about the national
11 guidelines, in general, that would also be helpful.

12 DR. PAPE: Well, first of all, from our
13 standpoint we have always refused to be involved in
14 drug studies that would not be provided or where the
15 population would not benefit in some ways either from
16 reduced costs or -- this is why we have never been
17 involved in any of the retroviral studies. We were
18 approached by many companies but when I told them if
19 this is successful what would be the advantage for the
20 population, and they said they will get back to me,
21 and they never did.

22 So I cannot tell you. We do not have any
23 experience with that because we have never been
24 involved with it and the only time we would be is
25 there would be some guarantee that the population

1 would be involved.

2 We are interested in the vaccine because we
3 think that this is the hope is that it would be made
4 available at a price where we could purchase it but
5 clearly we cannot be involved with the drugs because
6 we can never purchase them.

7 DR. SHAPIRO: Thank you.

8 Larry was the first and he will be the last
9 before we turn to the next speaker.

10 DR. MIIKE: Thank you.

11 DR. SHAPIRO: Larry?

12 DR. MIIKE: Dr. Pape, I would like to hear a
13 little bit more about the relationship between the
14 sponsoring and host country IRBs. You had mentioned
15 that what you would like to see -- and I know you are
16 just being perfunctory in the presentation -- that the
17 sponsoring country IRB should, say, have an agreement
18 on general ethical principles and then leave it up
19 basically to the host country but general ethical
20 principles are embedded in the rules and regulations
21 that govern IRBs already.

22 So could you expand a bit on that about the
23 kinds of issues that have come up between those two
24 IRBs?

25 DR. PAPE: Well, first of all, there have

1 been no contact between -- and this is unfortunate --
2 between IRBs from -- our IRB was set up in 1984 and
3 that IRB never had any contact with the Cornell IRB.

4 I have had contact with both. In Haiti we
5 found it helpful to go and present a project to the
6 IRB staff by giving them ahead of time the project to
7 read and answer their questions.

8 But it is unfortunate -- this is why, you
9 know, I feel frustrated because I think that a lot of
10 the problems that arise could be easily solved if one
11 IRB did understand the other because I have found that
12 in both places the members are very interested in
13 providing the best ethical standards for patient
14 involved in studies but they have their own set of
15 rules and they do not understand each other.

16 So this is why I think that the first step
17 would be to have them work with each other and the
18 best way to do that is for the head of one IRB to go
19 and work at specific projects that are submitted and
20 vice versa.

21 DR. MIIKE: Just a follow up.

22 When you mentioned something about a uniform
23 consent form or whatever you had mentioned that it
24 would be universally used. Are you talking more in
25 terms of not so much the mechanics of it but sort of

1 guidelines for how relationships should be set up
2 between the host and sponsoring IRBs? Or is that --
3 it just sort of says this is the way that the
4 relationship should, in general, be established?

5 DR. PAPE: I am looking at it from a very
6 simple and practical way. A project that involves
7 three U.S. universities require for us to fill out
8 three different forms. Those forms are very different
9 and the consent forms are different as well.

10 Why can't we have, since NIH is the
11 sponsoring agency, that they have one form that all
12 universities comply by? That would make life much
13 easier for everybody. That would simplify the consent
14 process.

15 DR. SHAPIRO: Thank you very much, Dr. Pape.

16 I hope you will be able to stay since I am
17 sure there will be more questions later on today.

18 I am struck myself by your testimony here
19 this morning.

20 I kept on going back in my own mind to words
21 -- a single word, namely "trust" -- a building of
22 trust between partners here as something which would
23 help a lot in trying to expedite these projects and it
24 was very inspiring what you had to say.

25 But now let's turn to our -- ask Ruth to

1 introduce our next panel member.

2 Ruth?

3 DR. MACKLIN: Well, I had introduced all
4 three together.

5 But, please, I want to introduce now Dr.
6 Grace Malenga, who comes to us from Malawi in Africa.

7 Dr. Malenga?

8 GRACE MALENGA, M.D., QUEEN ELIZABETH

9 CENTRAL HOSPITAL AND UNIVERSITY OF MALAWI

10 COLLEGE OF MEDICINE, BLANTYRE, MALAWI, AFRICA

11 DR. MALENGA: Thank you, Madame Chairman. Is
12 this on? Yes. Okay.

13 Could I have somebody to project the
14 overheads, please?

15 (Slide.)

16 I am basically a clinician and maybe details
17 about research processing and things may not come out
18 as clearly as my colleague did. I am a clinician and
19 have always worked as such. Mainly in the district
20 hospitals in Malawi, in the rural district hospitals,
21 and for the past four years I am a member of the
22 College of Medicine and, therefore, working at the --
23 one of the tertiary hospitals, Queen Elizabeth Central
24 Hospital in Blantyre, which happens at the same time
25 to be the only teaching hospital in Malawi.

1 So my presentation may be a little more
2 clinically oriented than research oriented. I thought
3 I should give that background. Thank you.

4 (Slide.)

5 Simply to give an overview of the types of
6 health research oriented activities in Malawi, you
7 have those that are based within the Ministry of
8 Health or rather coordinated by the Ministry and also
9 those based in the College of Medicine.

10 (Slide.)

11 The Ministry of Health based research
12 activities are usually part of the disease specific
13 operational research, which are part of the
14 multilateral collaboration that the Ministry has with
15 the donor agencies like WHO and we have had
16 partnership with the CDC especially in relation to the
17 diarrheal control program and a lot of these usually
18 assess the impact of cultural influences on
19 established primary health care interventions usually
20 looking at knowledge, attitudes and practices of the
21 community.

22 Also, assess the health systems performance
23 and they sometimes look at drug efficacy, especially
24 in relation to malaria, for example.

25 (Slide.)

1 As a university college the College of
2 Medicine based research aims to fulfill the college's
3 function of basically advancing learning while at the
4 same time being quite sensitive to local needs.

5 (Slide.)

6 So within the college itself there are
7 linkages relating to research with the Ministry of
8 Health because the IRB, if you like -- the national
9 one is based in the Ministry of Health headquarters,
10 the so-called Health Sciences Research Committee,
11 which has members from the College of Medicine
12 Research Committee.

13 And during the last three years or so it was
14 first felt necessary that the Health Sciences Research
15 Committee decentralizes the IRB to the college itself
16 so as to facilitate the processing of research
17 proposals and there are linkages within the various
18 departments within the college and also the sister
19 institutions within the university.

20 But there are also linkages with institutions
21 outside Malawi and notably at the Queen Elizabeth
22 Central Hospital, also at College of Medicine. We
23 have attached -- are working hand-in-hand with the
24 college, the University of Liverpool in U.K., the
25 Wellcome Trust Research Laboratories from U.K., and

1 also the two American organizations like Johns Hopkins
2 and Michigan State University of the U.S.

3 (Slide.)

4 And basically those are the types of
5 research: clinical, community-based and then a very
6 small percentage purely scientific. Well, mostly it
7 is that I have got to say.

8 (Slide.)

9 In terms of operational arrangement, funding
10 for a lot of this research as I said earlier with the
11 Ministry is part of the disease programs that are
12 funded through multilateral arrangements. And then
13 for the College of Medicine you have, you know,
14 specific staff with specific interests submitting
15 proposals to donors that they have contacts with and
16 then, of course, when you have the international
17 organizations they fund their researchers.

18 (Slide.)

19 I mentioned earlier on about the ethics
20 review boards. There is the national one, the Health
21 Sciences Research Committee based at the Ministry with
22 members also from the College of Medicine and to speed
23 up activities this was locally decentralized to the
24 College of Medicine and basically this use of
25 international guidelines, including the issues that we

1 have discussed previously.

2 In terms of manpower resources usually it is
3 the regular staff at the designated facilities, be
4 they district hospitals or College of Medicine who
5 undertake this. And then, of course, with the
6 Ministry in the funded programs they have technical
7 assistance from donor agencies and then, of course,
8 there is the international institutions who use their
9 own research staff who are sent to Malawi to do
10 specific research.

11 And then as part of the capacity building
12 program there is research associates who are locally
13 recruited and are in training.

14 (Slide.)

15 It is certainly the wish of the various
16 research committees that research results get
17 disseminated as widely as possible. In terms of the
18 Ministry based operational research activities, these
19 are usually noted as translated -- these are usually
20 translated as changes in the national policies
21 regarding the management of the various diseases.
22 Malaria is the one that comes to mind.

23 Malawi was one of the countries that first
24 decided, for example, to use SP as a first line drug
25 in the management of malaria when it became clear that

1 chloroquine was not working in the country.

2 In terms of the College of Medicine research
3 it is now a standing situation that every year there
4 is regular annual research dissemination conferences.

5
6 The only small problem that I see is that
7 there is very little coordination perhaps the College
8 and Ministry in terms of actually implementing the
9 results of research, especially when these come out
10 from the college research. Part of the problem, I am
11 sure, is not sheer negligence but rather a funding
12 issue I imagine.

13 (Slide.)

14 So the areas of concern that some of us see
15 is that in Malawi research priorities seem to be
16 determined by funding opportunities rather than the
17 actual problems within the country and there is
18 probably maybe limited consultation between the --
19 between the international research organizations and
20 the Ministry, for example, in actually setting out
21 priorities for research within the country.

22 And then in terms of research -- in terms of
23 funding there is a kind of type of war if you like
24 between the public sector and the better paying
25 research projects so you will tend to get a lot of

1 your better staff moving into research projects more
2 to the depletion of the national services.

3 And then, of course, another area of concern
4 is what was mentioned earlier, I think, in regard to
5 my colleague's presentation, is there is always this
6 worry about the sustainability of the implementation
7 of the successful results once the study period is
8 over.

9 (Slide.)

10 However, we see that there are some
11 opportunities despite those concerns that as long as
12 there are these partnerships with international
13 organizations there is always some opportunity for
14 funding for research in our resource-strapped
15 institutions.

16 And as part of the collaboration that we have
17 there is some opportunity again for infrastructure
18 development in terms of physical structure and service
19 delivery which are there and some of these research
20 staff also participate in the teaching of the
21 undergraduates and then, of course, as part of the
22 capacity building program some of these international
23 based research do have -- who do make opportunities
24 for training of local staff and again it is a plea at
25 the bottom that if there is anything that could be

1 done almost willingly it would be the support to the
2 local research committees or IRBs so that they are
3 able to carry out their work better amongst which, of
4 course, is the dissemination of the research results.

5 That is where my overheads end but I will add
6 that I have circulated a one page paper which simply
7 points out some of the ethics issues which, as I say,
8 as a clinician I have tried to avoid.

9 And may I, before I end, thank everybody and
10 members of the commission for giving me the
11 opportunity to participate in this meeting from which
12 I hope to learn a lot.

13 Thank you very much.

14 DR. SHAPIRO: Well, thank you and let me
15 express the gratitude of the commission for your
16 willingness to come so far to participate with us
17 today. We are very grateful to you and very much in
18 your debt.

19 Now let me turn to see if there are questions
20 from committee members.

21 Arturo?

22 DR. BRITO: Yes, thank you both for your
23 presentations. And I have a question actually for
24 both of you that have presented thus far.

25 One aspect I have not heard and I make some

1 assumptions in my own mind as you are going through
2 this about who the volunteers might be for research
3 both in Haiti and Malawi.

4 I am curious how does -- how do the
5 volunteers -- the demographics of the volunteers in
6 terms of economic levels and their access to health
7 care relate to their volunteerism for research
8 projects in both your countries?

9 DR. MALENGA: If I am to answer for Malawi,
10 Mr. Chairman, as I said a lot of our research is sort
11 of clinical work and it is usually patients who come
12 to the hospital and as Chris will vouch, in fact, our
13 research set up offers better services so it is not
14 even a matter of volunteering, you know, to
15 participate in the research. I mean, they do not --
16 it really does not take a lot because they see this as
17 a better service than would normally be offered.

18 DR. BRITO: Right.

19 DR. MALENGA: And, in fact, it is interesting
20 you should say that we are conducting at the moment
21 some research in the use of a combination of SP and
22 another drug in the management of malaria.

23 And as part of the study we have included a
24 questionnaire at the end of the one month that we are
25 following our patients to try and find out why,

1 indeed, they joined and so far most of the results
2 point to the fact that all the mothers that submitted
3 their children to the research program were actually
4 hopeful that they were going to get better management
5 than they would have in the rest of the service
6 available to them.

7 DR. BRITO: And is that made clear to the
8 volunteers that there is a possibility they may not
9 actually get better care because if you are doing true
10 research you may not be giving --

11 DR. MALENGA: Well that, in fact, comes to my
12 mind in relation to the placebo, you know, double
13 blind placebo type of trial and that is a concept I
14 notice we have problems really explaining and I do not
15 know how we can do it and even the actual consent from
16 that we are using -- I am not even sure it is very
17 clear because it is a bit difficult to explain because
18 I think there probably -- you know, the concept would
19 be so difficult to perceive that it is not -- I do not
20 think even explained enough -- much as, you know,
21 attempts are made towards doing that.

22 DR. BRITO: Thank you.

23 DR. SHAPIRO: Is it also true in Haiti that
24 the volunteers are very often patients in the
25 hospital?

1 DR. PAPE: In our situation health care in
2 our facility is our entirely free. It is also free at
3 government facilities but they do not provide good
4 care there and if you compare the outcome of patients
5 involved in research projects it is excellent compared
6 to patients who are seen at government facilities or
7 even at private physician facilities. So we strive to
8 give the best available care for a population actually
9 which is very poor.

10 DR. SHAPIRO: Thank you.

11 Next is Alta.

12 PROF. CHARO: Dr. Malenga, thank you very
13 much. I would like to ask you perhaps to expand on
14 the topic that you had mentioned was discussed
15 previously with Dr. Pape and that was the expectations
16 that the human subjects and the investigators have
17 about the continuity of care following the study.

18 Dr. Pape had suggested that he will not work
19 with sponsors that do not make some kind of commitment
20 to make sure that the materials under study are
21 somewhat available following the conclusion of the
22 formal research.

23 Has that been your experience as well that
24 studies are simply not done unless there is this
25 commitment and if that has not been your experience

1 could you perhaps talk to us a little bit about what
2 does happen in this negotiation?

3 DR. MALENGA: Well, relating to HIV related
4 studies that is true but in terms of malaria so far
5 the kind of research that has been carried out is,
6 indeed, to look for remedies that may eventually be
7 affordable when that eventually is, is probably the
8 difficult question and may be, indeed, either Ministry
9 of Health has not, you know, seriously started
10 questioning when that would be.

11 But on the face of it when you think of
12 something like, you know, SP and combination of
13 artesanate or something like that is something you
14 feel maybe one day this will be done, and this is
15 where I also personally now find there is probably a
16 problem in the way the results of research are
17 disseminated once they are known.

18 I think there should be a deliberate policy
19 to involve policy makers or at least make them aware
20 of these research results so that they can, indeed,
21 make some kind of allowance in the purchasing of these
22 drugs, you know, for the nation.

23 And so at the moment I think the problem is -
24 - apart from, you know, being mainly financial but
25 also one of not being aware of what is feasible --

1 what is feasible in the country, and I can also only
2 blame the researchers for not probably making that
3 very clear to the policy makers.

4 I am sure once the policy makers eventually
5 know we will discover that -- if they, in fact, are
6 the reasons for not implementing, you know, the
7 results, which will probably be mainly financial.

8 But there is that, you know, loose linkage at
9 the moment to sort of ensure that the results are put
10 into practice on a much more long term basis.

11 DR. SHAPIRO: Thank you.

12 Bernie?

13 DR. LO: I want to thank you for coming such
14 a long way to share your thoughts with us and I guess
15 first I was fascinated with the handout you gave out
16 and was hoping you would say more about some of these
17 ethical issues.

18 Maybe I could just ask you if you could
19 highlight for us on this page what are the issues you
20 think we need to pay attention to as we think about
21 ethical issues in tropical medicine research. Of all
22 of these, which are the ones you think deserve our
23 most thoughtful attention?

24 DR. MALENGA: Well, if I may, indeed, under
25 number one the issue of how much information to share

1 given the educational background of some of our
2 patients. You really do not want to scare patients
3 off because you want to tell them too much. After
4 all, you know, they come, you know, trusting in your
5 judgment.

6 You start asking questions or telling them to
7 sign, you know, some papers and immediately, you know,
8 they will look at them, some of them have actually
9 withdrawn, you know, they were willing to participate,
10 let's say, into the exercise and until you are asking
11 them to sign a piece of paper then they start to
12 wonder, you know, why you ask them to do that.

13 So these are some of the issues which I think
14 are probably more related to the education or
15 background than anything else.

16 And then the issue of sustainability is the
17 one we have -- I have just -- we have just talked
18 about but it is even more important maybe when -- if
19 it is part of the consent and this is only part of the
20 research activity that may not go on after the
21 research itself is over, and if it is something that
22 may have some negative, you know, effect on your
23 service that you will end up eventually chasing away
24 the very community that you are trying to get, you
25 know, to come to your health services.

1 So again basically here I think the highlight
2 is what is it and how much and how do you put it to
3 participants in your research study whose
4 understanding perhaps of some of the research concepts
5 are not, you know, as much as, you know, you would
6 expect them to be.

7 And then again, basically number two, the
8 issue of a placebo controlled study in the management
9 of malaria becomes a real ethical issue. I mean, you
10 know that by not giving somebody the treatment that
11 they deserve they could die and malaria can kill
12 within a matter of seconds and there may not be that
13 time to give them the rescue treatment.

14 How do you insist on, you know, use of
15 placebo controlled trials for such a serious problem,
16 for example? I mean, these are just some of, you
17 know, the areas.

18 And maybe finally to just mention about the
19 HIV related issues. Of course, the issue of the
20 expenses -- expensive intervention when there is no
21 long-term view for the therapy is not only applicable
22 to HIV.

23 I probably was a big cagey when I was
24 answering about malaria. I do remember that it is
25 more than ten years ago when a drug like mefloquine,

1 for example, which is superior to quinine, which is
2 superior to chloroquine was used in Malawi and found
3 to be more effective and yet 10, 15, 20 years later it
4 is not used.

5 So it is not just AZT and now what do you do.
6 Those are just some of, you know, the issues indeed.

7 DR. SHAPIRO: Thank you very much.

8 Diane?

9 DR. SCOTT-JONES: Thank you, Dr. Malenga.
10 This has been very, very helpful.

11 I would like to ask you three questions.

12 First, I was wondering if you could say
13 something about the extent to which there are U.S.
14 researchers conducting studies in your country? Could
15 you say whether there are a few or many or do you have
16 any statistics on that?

17 DR. MALENGA: A few. As I pointed out in the
18 overhead there is mainly the two institutions that I
19 am aware of but Chris may be able to correct me. He
20 says three. I think he will give more details. There
21 is the Johns Hopkins. There is the Michigan State
22 University and --

23 DR. PLOWE: University of Maryland.

24 DR. MALENGA: There. So there is three
25 institutions.

1 DR. SCOTT-JONES: Okay.

2 DR. MALENGA: But all of them more or less
3 crowded around the one hospital, Queen Elizabeth
4 Central Hospital. So unless, Chris, I have sort of
5 left out --

6 DR. PLOWE: I guess the CDC has had a
7 presence there for a number of years.

8 DR. MALENGA: With the government mainly.

9 DR. PLOWE: Exactly. Based in the capital
10 city and they go out and do field studies as well.

11 DR. SHAPIRO: I do not like to interfere but
12 when you speak if you could get to the microphone
13 because they are recording here, it would be helpful.
14 You do not have to repeat that.

15 DR. SCOTT-JONES: So even though there are
16 only a small number of institutions involved I was
17 wondering about the steps that would be taken to get
18 permission to start a project in your country.

19 You mentioned during your presentation that
20 there is limited consultation with the clinicians or
21 health care providers in your country.

22 DR. MALENGA: The Ministry.

23 DR. SCOTT-JONES: So what would be the steps?
24 How would they go about getting permission to be in
25 your country conducting the study?

1 DR. MALENGA: The first step would be to
2 contact the Ministry of Health, of course, and this is
3 what is normally done. And then the Ministry of
4 Health, in general now, not simply the review board of
5 the Ministry, simply to see whether they feel that
6 indeed it would be a relevant study to the country.
7 And then after that then you would have to go through
8 the usual review by the ethical committee, et cetera,
9 and that would be now initially to be centrally again
10 at the Health Sciences Research Committee but this has
11 been decentralized to the College Research Committee,
12 which does have some representation from the Ministry
13 of Health.

14 DR. SCOTT-JONES: Okay. And my final
15 question has to do with training. You mentioned that
16 there are some training opportunities that arise from
17 the studies that are done there. Could you say a
18 little bit more about that? For example, to what
19 extent are there researchers in Malawi who do become
20 trained, who do become involved in the design and
21 implementation of the research that is done there?

22 DR. MALENGA: Well, for example, at the
23 moment the Wellcome Trust, which is the institution
24 actually that is recruiting a number of young Malawian
25 doctors -- maybe I should say at this juncture that

1 Malawi has had the College of Medicine only in the
2 last 10 years or so and they have been having
3 graduates in the last eight years.

4 So the Wellcome Trust is now recruiting some
5 of these young doctors as researchers and as I am
6 speaking there is three if not four who are in England
7 doing their post-graduate training having started with
8 the malaria research project and Wellcome Trust
9 training.

10 DR. SCOTT-JONES: Thank you.

11 DR. SHAPIRO: Thank you. We are going to
12 have just three or four more questions before we go on
13 to our next panelist. We can come back, of course,
14 later.

15 I have on the list right now next is Eric.

16 DR. CASSELL: One of the problems in the
17 early years of IRBs in the United States was that the
18 investigator might be very committed to getting a good
19 population -- research populations, informed consent
20 and so forth, and yet the staff is not nearly as
21 committed. Short cuts in getting consent and not as
22 rigidly adherent to the ethical principles that the
23 research was laid out as.

24 I am sort of interested in whether you have
25 the same kind of problem and how you deal with that

1 both in Haiti and in Malawi.

2 In other words, the issue of staff on
3 research projects and their commitment to informed
4 consent and the other ethical principles, and how you
5 deal with that.

6 DR. MALENGA: Well, I think the issue of
7 enforcing the proper adherence to informed consent has
8 actually been touched upon. The local research
9 committee, for example, in Blantyre, if I give one
10 specific example, this is the autopsy study that is
11 part of the Malaria Research Project, for example.

12 The local research committee insists that it
13 is only Malawian doctors who speak the same language
14 as the patients are the ones who are going to ask for
15 a post-mortem from, you know, a guardian of a subject
16 that has died from malaria.

17 So I suppose that in a way -- I am not sure
18 it sort of gets rid of the issue of translation, et
19 cetera, but I think that is an attempt to make the
20 process consistent, that the same message is adhered
21 to, and then the cultural, you know, issues are taken
22 into consideration. Those are some of the attempts
23 that have been made, for example, in this particular
24 example.

25 DR. SHAPIRO: Dr. Pape, do you have anything

1 to add?

2 DR. PAPE: I do not think it was a problem
3 when the consent form was short, one page. As it got
4 longer and longer it is read and explained to the
5 volunteer.

6 But do we really have an idea of what they
7 fully understand? No. And this is why we have come
8 up with another way of doing it which is having a
9 test. Having the volunteer take a test before they
10 provide the consent. And they have to be able to
11 answer all the questions. If they fail they are re-
12 counselled again and can take the test again.

13 So now I think that it is in a much better
14 way than it was before.

15 DR. SHAPIRO: Alex?

16 PROF. CAPRON: Thank you, Dr. Malenga, for
17 being here.

18 I wanted to pursue a couple of questions
19 along the lines that Dr. Scott-Jones had raised with
20 you.

21 In looking at international collaboration
22 have you found a difference between collaborating with
23 investigators from the University of Liverpool or the
24 Wellcome Trust or other U.K. sponsors versus those
25 with U.S. sponsors since we are particularly concerned

1 whether the U.S. regulations and procedures make it
2 more difficult to carry out research than it ought to
3 be?

4 DR. MALENGA: Maybe to answer your question
5 directly, maybe too much at the clinical end, maybe
6 towards the end of the whole process that it has been
7 very difficult for me to see if there is any
8 difference. But if I must answer from what I see, I
9 do not notice that there is that much difference
10 working with U.S. or British investigators.

11 After all, in fact, the Wellcome Trust and
12 Malaria Research Project is co-sponsored by the two
13 institutions.

14 PROF. CAPRON: I see. Along that line
15 perhaps if it would not be a burden to you to inquire
16 with your colleagues who perhaps have had the more
17 direct contact if you would follow-up with our staff
18 here any additional information you could provide
19 might be very illuminating.

20 The second question relates to the point you
21 have number one on informed consent and how informed
22 the consent is. And I wondered there if I understood
23 you correctly. You seem to suggest that the process
24 of telling people about the research project in the
25 way which U.S. or maybe U.K. expectations are as the

1 amount of information they have to be given and then
2 signing the consent form will scare them off from
3 participating.

4 Did I understand that correctly?

5 DR. MALENGA: Sometimes it has actually
6 happened. You ask somebody -- you -- they understand
7 and the minute you say please sign here then, oh, no,
8 you know, they do not want -- it is difficult to know
9 whether they are looking at in a legalistic manner or
10 maybe it is fear of eventually being blamed by members
11 of the, you know -- members of the family for
12 accepting, you know, to enroll.

13 The actual reasons are rather obscure and
14 this is why, as I say, as part of the current research
15 that we are doing we want to inquire how people
16 understand, you know, this process of informed
17 consent. But there have certainly been examples when
18 people have come along with you that far and it is the
19 time for you to say please sign here or, you know,
20 your thumb print here, then they have withdrawn.

21 It is not too often but it certainly happens
22 from time-to-time.

23 PROF. CAPRON: Where -- if I can ask, where
24 are you in the process of the research project you
25 just described in terms of finding out from subjects

1 what they understand and what they may not?

2 DR. MALENGA: Very early on.

3 PROF. CAPRON: So you are not going to have
4 results any time soon because it --

5 DR. MALENGA: Not yet.

6 PROF. CAPRON: -- seems to me a very
7 worthwhile inquiry which could be very informative for
8 your own research committees and perhaps for the IRBs
9 because while it is obvious that one does not want to
10 create false fears in people's minds -- on the other
11 hand I wonder if you would agree that it is important
12 for people to realize that the relationship to the
13 researcher is somewhat different than the relationship
14 to the physician in whose judgment they were otherwise
15 trusting. I mean, it is a subject-researcher
16 relationship even in the medical context and you would
17 not want people to go into it not realizing that fact.

18 Would you agree with that?

19 DR. MALENGA: I do agree. But again in this
20 case you are both a researcher and a clinician.

21 PROF. CAPRON: Yes. Thank you.

22 DR. SHAPIRO: Ruth?

23 DR. MACKLIN: Yes. I would like to thank you
24 also and follow-up on a couple of points that you
25 made.

1 I think I will stop for your answer after
2 each of my brief questions.

3 First, you mentioned in the discussion of the
4 malaria studies in your handout the randomized placebo
5 controlled studies and life-threatening conditions.

6 And my question here is who imposes the
7 placebo controlled design in those malaria studies?
8 That is -- or to put it another way, even though as
9 you stated here the scientific justification, you are
10 questioning whether the scientific justification is
11 sufficient to use placebo in a life-threatening
12 condition.

13 Well, even in the Declaration of Helsinki,
14 just to use one example, in the latest version the use
15 of placebo is justified but not in conditions and
16 circumstances where withholding a known effective
17 treatment for a life-threatening condition would take
18 place.

19 So this question is how does it come about
20 and who designs or who imposes the placebo controlled
21 design in the malaria study?

22 DR. MALENGA: This particular example
23 actually was taken from a MOH center study that WHO --
24 in fact, it is WHO just to answer your who. It is
25 WHO, who really recommended that this placebo

1 controlled trial be undertaken in the use of
2 artesunate as the -- oral artesunate as an
3 antimalarial in the peripheral health facilities.

4 DR. MACKLIN: Well, our colleagues at WHO
5 should be reminded of the Declaration of Helsinki in
6 this regard.

7 My second question is in the placebo
8 controlled double blind studies where you mentioned
9 that it is difficult to explain because of the
10 complexity and you question whether or not the consent
11 form or the consent process can adequately explain it,
12 suppose it were possible to explain it with sufficient
13 time and using appropriate terminology, do you have
14 any -- we have heard from other researchers in some
15 developing countries that if potential subjects were
16 informed that they might be randomized to essentially
17 a placebo control or an arm that would not provide an
18 active medication they would refuse to enter the
19 study?

20 Do you have any sense of whether the
21 volunteers in your country would respond in that way?

22 DR. MALENGA: This is what we are trying to
23 find out in this, you know, particular study.
24 Although it is not completely placebo versus, you
25 know, drug. In fact, it is SP plus placebo so there

1 is already some active ingredient there but it is --
2 it is the idea of adding something else to a well-
3 known drug that would have, you know, to convey to the
4 participants.

5 So because they know there is already
6 something that is useful, I think, probably would not
7 cause the same problems but we still want to find out
8 if they understand that.

9 DR. MACKLIN: Thank you. And one final
10 question.

11 You spent some time talking about the
12 dissemination of the research results and you
13 mentioned some of the difficulty of failing to have
14 that dissemination adequately go to the policy makers.

15 My question is whether there is or has been
16 any attempt to disseminate the results of research to
17 the participants, that is the people who are actual
18 participants and to the community at large?

19 DR. MALENGA: The community, no,
20 unfortunately. All the dissemination has been more or
21 less to the researchers and clinicians but not to the
22 community participants.

23 Although maybe some of the community based
24 treatment studies have had some kind of feedback but
25 not as much as one would hope it to be.

1 Thank you.

2 DR. SHAPIRO: I have got other people who
3 want to speak here but we are going to have to adopt
4 some rules to get ourselves on schedule here and I am
5 going to propose the following:

6 I have Trish and Alta and Diane on the list.

7 Please no compound questions. One question. Pick
8 your most important question.

9 And then I would like to ask Dr. Plowe if he
10 would be agreeable if we took a break and then went to
11 your testimony. Would you be agreeable to that?

12 DR. PLOWE: Yes.

13 DR. SHAPIRO: Because that I think would --
14 the commission needs a break in a few minutes. I
15 think it will serve us all very well but let's go to
16 the last three people on the list now.

17 Trish?

18 PROF. BACKLAR: Thank you, Dr. Malenga, for
19 your very sensitive and illuminating discussion.

20 I would like -- because your discussion
21 showed such sensitivity to the subjects or the
22 volunteers, I am wondering if you could describe a
23 little bit about the experiences of the volunteers in
24 the study that you have going on? I know I am allowed
25 only one question but within this one question --

1 (Laughter.)

2 PROF. BACKLAR: -- which is I see -- I know
3 that you are currently involved in a study. I think
4 it would be helpful to know as you describe the
5 experiences of people who are in the study now, not
6 just the consenting process, but how many people you
7 have, how many in each arm, and are people dropping
8 out, and what is their feeling about as they describe
9 to you, as a clinician, as you observe them, how they
10 are experiencing being in a research protocol.

11 DR. MALENGA: Thank you.

12 The particular study I am mentioning now is
13 the one where we are using, as I say, artesunate and
14 SP, and in three arms there is SP alone, SP and one
15 dose of artesunate, and SP and three dosages of
16 artesunate. The idea -- eventually we hope to recruit
17 about 450 patients. We have done at least up to the
18 time that I left about 80 patients and had seen less
19 than 10 actually of those who had completed over a
20 month.

21 And the kind of questions we were asking
22 were, you know, if they understood the process and why
23 they joined having understood the process, and the
24 kind of question we were asking were did they join,
25 for example, looking for answers like they were

1 expecting better care for their children. You know, I
2 am working in a pediatric unit. Or was it -- were
3 they taking special pride in participating in a
4 scientific exercise or, you know, why.

5 And it seems so far the ones that answered
6 and completed, you know, the whole month of the trial,
7 they were more interested in actually getting better
8 care for their children.

9 None of them specifically said they derived
10 any, you know, pride in participating in a scientific
11 research. Again it is too early to say yet but those
12 are some of the answers we got.

13 DR. SHAPIRO: Thank you.

14 Alta, one question mark in your question.

15 PROF. CHARO: Dr. Pape, Dr. Malenga said that
16 in her experience there is little difference between
17 collaborating with the U.K. and U.S. researchers.

18 I understand that because of your joint
19 appointment at Cornell your work is always subject to
20 Cornell's oversight but could you comment on whether
21 in your observation your Haitian colleagues without
22 such U.S. ties have seen a difference working with
23 non-U.S. sponsors versus U.S. sponsors in terms of the
24 feasibility of getting through the process of approval
25 or resolving conflicts in substantive standards?

1 DR. PAPE: We have experienced, not me
2 personally, working with Canadian or French agencies
3 in particular, and it is much more simple. That in
4 their process that involves ethical clearance with
5 U.S. universities is so much different with the French
6 and Canadians, and this is why they do not understand
7 that when they work with us they have to go through
8 that entire U.S. clearance process.

9 I cannot say anything working with the
10 British, we never had.

11 DR. SHAPIRO: Thank you.

12 Diane?

13 DR. SCOTT-JONES: Dr. Malenga, I have a
14 question to follow-up on one of your comments. You
15 mentioned that some 10 to 15 years after malaria
16 research that mefloquine still is not available to
17 people in your country. Could you say a bit more
18 about that. Have there been efforts in that regard
19 and what does it look like for the future?

20 DR. MALENGA: Well, has there been efforts?
21 Really I do not know. Again I think that boils down
22 to how far did researchers carry the policy makers,
23 you know, towards implementing the results of the
24 research. Attempts may have been there but I think
25 the other problem is one of, you know, financing for

1 the Ministry itself really.

2 And I think this is a problem that probably
3 researchers per se may not help very much but maybe if
4 they were to play a role maybe could be one of
5 advocacy through -- you know, like WHO is trying to
6 use, you know, patent -- what is the word? -- patent,
7 you know, to sort of get drugs less expensive than,
8 you know, they would otherwise be.

9 So I think the problem is probably a bigger
10 one that needs more discussion and probably right from
11 the beginning that the research come out to see how,
12 indeed, the Ministries can adopt the results of the
13 research activities.

14 DR. SHAPIRO: Thank you very much.

15 We are going to take a break now. I hope,
16 Dr. Malenga and Dr. Pape, you will be able to stay
17 with us.

18 I know we are asking for more of your time
19 than we promised so if your schedules take you away I
20 will certainly understand but I hope you will be able
21 to stay with us.

22 Chris, I want to thank you very much for be
23 willing to wait a little extra time in order to talk
24 with the commission. I appreciate it.

25 It is now about 20 to 11:00. I would like to

1 reassemble at five to 11:00. Let's take a 15 minute
2 break.

3 Thank you.

4 (Whereupon, at 10:35 a.m., a break was
5 taken.)

6 DR. SHAPIRO: I would like now to turn to Dr.
7 Plowe from the University of Maryland. As was
8 mentioned before, representing the American Society of
9 Tropical Medicine and Hygiene and also his own
10 tremendous experience working abroad in various kinds
11 of projects.

12 Welcome.

13 I thank you very much once again for your
14 patience and willingness to stay a little longer than
15 we anticipated.

16 Let me just turn directly to you now.

17 CHRISTOPHER PLOWE, M.D., M.P.H.

18 UNIVERSITY OF MARYLAND MEDICAL SCHOOL,

19 REPRESENTING THE AMERICAN SOCIETY OF TROPICAL MEDICINE

20 AND HYGIENE

21 DR. PLOWE: Okay. Well, thanks very much for
22 asking me to come. Again I am here on behalf of the
23 American Society of Tropical Medicine and Hygiene.

24 Terrie Taylor, who is also on the council of
25 the society, worked very closely with me to prepare

1 this testimony.

2 (Slide.)

3 But rather than present the views of the
4 society as a society what we have kind of done is
5 taken a directed needle biopsy here getting the
6 specific experiences of a couple of us who felt that
7 our experiences would give you a fairly on the ground
8 picture of the work we do and some of the issues that
9 we face and the problems that we have encountered.

10 Since my colleague, Ogobara Doumbo, cannot be
11 here today there may be a couple of points at which I
12 will expand a little bit on something I was going to
13 leave to him, although he could say it much better,
14 and try to touch on one or two things that he might
15 have mentioned.

16 So, again, this is a perspective from U.S.
17 investigators who spent a lot of time overseas.
18 Terrie is in Malawi for six months of the year and I
19 am probably overseas about four months out of the year
20 both in Mali, which is what I will focus on, our
21 project there, as well as in Malawi where I work with
22 the Malaria Project that you have already heard about
23 from Dr. Malenga.

24 (Slide.)

25 Just a very little bit of background to

1 remind you that malaria is a parasite that is
2 responsible for a huge amount of morbidity and
3 mortality. Two to three million deaths a year and
4 about 90 percent of those are in Africa and the vast
5 majority in infants, young children, and in pregnant
6 woman.

7 So up along -- up until the HIV epidemic it
8 was really the biggest single killer in that part of
9 the world and now HIV and TB are rivaling it if not
10 surpassing it.

11 And it is getting worse these days in large
12 part due to drug resistance. We do not have a vaccine
13 and I think the U.S. interest in malaria research --
14 the specific interests are in protecting travelers and
15 military although, of course, there is a great deal of
16 interest in vaccines and other interventions for
17 people in the endemic countries.

18 (Slide.)

19 So I am going to tell you about a project
20 where we are developing a malaria vaccine testing site
21 in Mali in West Africa. You can see the red country up
22 on the right there. It looks like my picture of the
23 escarpment -- Bandiagara escarpment is not going to
24 show up very well.

25 This is a contract funded by the NIH. I am

1 the principal investigator and Ogobara Doumbo is the
2 Malian co-principal investigator.

3 The objectives are to conduct longitudinal
4 studies in a site on malaria epidemiology,
5 parasitology, entomology, meaning the mosquitos, in a
6 community with a high burden from malaria.

7 One thing we are doing initially is to do a
8 case control study where we are trying to identify
9 risk factors and protective factors for severe
10 malaria. A large component is training both Malian
11 and American scientists and physicians. And in the
12 relatively near future we hope to have malaria vaccine
13 candidates and possibly other interventions that we
14 can test at this site.

15 (Slide.)

16 So our site is up in the Dogon country in
17 Mali. It is about eight hours from the capital city
18 on a tarmac road and then another hour or so on a dirt
19 road. The Dogon is the dominant ethnic group there
20 but there are many other ethnic groups and many
21 languages in the area.

22 The Dogon architecture is depicted in the
23 upper photograph there. Again that is not coming
24 through very well. But they -- some of the villages
25 are right on the face of a cliff. It is a very harsh

1 environment to live in.

2 The town of Bandiagara is actually a fairly
3 large town with a population of 12,000 people and it
4 is on the plateau up above the escarpment. There is
5 very intense malaria transmission there and minimal
6 modern -- maybe I should put that in quotes -- health
7 care available. In general, in Mali, the government
8 does not provide any medications or any supplies to
9 sick people who show up at clinics or hospitals and
10 there is a very strong presence of traditional
11 medicine.

12 (Slide.)

13 And so this is our kind of nexus of partners,
14 is the way I try to describe it, and the thickness of
15 the line indicates sort of the strength of connection
16 among the different groups.

17 As you can see our strongest connection as
18 the U.S. researchers is with our Malian researchers
19 and we naturally, you know, have a relatively weak
20 connection at least as we started the project with the
21 community of Bandiagara.

22 And had we not been -- had we come in as
23 outside investigators and not been working with Malian
24 researchers we would never have known that traditional
25 healers even existed there, much less that if you want

1 to get at the community the most powerful and
2 important way to do that is with the traditional
3 healers. Nothing would happen in that city, in that
4 town, without them and we just simply would have had
5 no access to them.

6 So our relationship with the Malian
7 researchers has been absolutely critical and they, in
8 turn, have strong relationships with the community
9 directly because of prior work there, with the
10 traditional medicine center, which works very closely
11 with the traditional healers, and relatively weak
12 relationships with the local doctors at the district
13 hospital.

14 So if we had come in as outsiders our natural
15 instinct would have been to go to the hospital, talk
16 to the director of the hospital and try and set up a
17 collaboration. Had we done that bypassing the healers
18 the project would certainly have fallen flat.

19 (Slide.)

20 As I mentioned, the Malian team had been
21 involved in the community for some years. Our PI,
22 Professor Doumbo, as well as several members of the
23 research team are actually from the Dogon country.
24 And one of our senior investigators was the Director
25 of the Malaria Control Program for that region and it

1 turns out his uncle is the commandant, which is more
2 or less the mayor of the town. So we had very good
3 access to the community and ways of trying to
4 understand what the decision making processes were
5 there.

6 And the Malian research team had conducted
7 very descriptive epidemiological and entomological
8 studies in the early '90s. For those studies, as for
9 all their studies, they followed local procedures for
10 community informed consent and this is really a
11 month's long process and I think this is one thing
12 that Ogo would have dwelled on a bit, and I will try
13 to summarize it briefly.

14 Basically, members of the research team,
15 including the senior investigators, would go to the
16 site, visit with the elders of the town or the
17 village, lay out what they proposed to do, and it is
18 done in a rather ceremonial fashion with an offering
19 of kola nuts, the traditional sign of respect. Again,
20 something that if we were to have walked into a
21 village we would not have known what the protocol was
22 and would not have brought kola nuts and I am sure
23 would not have gotten very far.

24 And after they have kind of informed the
25 elders they will leave and then they come back. The

1 elders may say, "Come back in a month and we will have
2 another discussion."

3 And they come back in a month. At that point
4 the information has been disseminated throughout the
5 community, including through the women's community,
6 which in some villages they actually have a women's
7 group or sort of council. And feedback comes back
8 and however many questions that have arisen.

9 And so the point of contact is always the
10 elders and if you try to bypass them -- again there
11 have been interventions where they try to get to the
12 youth of the village but if you do not go through the
13 elders your projects will not go anywhere.

14 And so they may then answer questions and
15 they may say, "Come back again in a month." And this
16 can go on for quite some time. And eventually there
17 is essentially unanimous agreement among all members
18 of the community and that agreement is articulated to
19 you by the village elders.

20 So this process was gone through in
21 Bandiagara. Malaria and all other diseases were
22 treated by study clinicians as a part of this study
23 and technicians, both at the hospital and at the
24 traditional medicine center, were trained in the
25 microscopic diagnosis of malaria so there was some

1 benefit, some lasting benefit to the community.

2 And at the end of the studies, as we always
3 do, feedback was provided to the community in an open
4 meeting.

5 (Slide.)

6 This is just a shot of a group of village
7 elders in a different village just to give you a sense
8 of, you know, who we are going to see and there is a
9 couple of elders of the University of Maryland in the
10 background there.

11 (Slide.)

12 And this is where the elders spend their time
13 in a traditional Dogon village. That structure you
14 notice has only got about three or four feet of space
15 and the idea there is if you are having a discussion
16 and somebody gets a bit exercised or they try to stand
17 up they bump their head and calm back down and things
18 can go on in an orderly fashion.

19 (Slide.)

20 And really participating with the community
21 functions is a key part of being involved with the
22 community. This was a sort of coronation of the new
23 leader of the local hunting association in Bandiagara
24 and we were told by our guide that we needed to come
25 quickly and join this celebration that was going on

1 and they brought us right in and kind of sat us in a
2 position of honor and we sat there the entire
3 afternoon and participated in the ceremony. I think
4 it was very positively viewed by the community.

5 (Slide.)

6 So this particular project was built on
7 studies that began a couple of years ago. This is a
8 partnership between American and Malian investigators.

9
10 I have been working closely with the group
11 there for seven years. We have spent substantial time
12 on the ground, in the field, in Mali, out in the
13 village, pricking fingers, enrolling kids, really a
14 part of the team. So it is not where we kind of
15 subcontract and walk away and the Malians do the work.

16 We work very closely together.

17 The Malian investigators have been to the
18 U.S. for all sorts of research and training, not just
19 in the lab, but taking biostatistics courses and that
20 sort of thing.

21 And through these years we have really
22 developed a very strong and trusting relationship
23 through conceiving and designing studies, publishing
24 papers, et cetera.

25 Local approval and support both at the

1 national level and again at the very local level have
2 been critical for success of our studies. And as I
3 mentioned, we found that traditional healers really
4 hold the key for success or failure of any project
5 involving malaria case management.

6 (Slide.)

7 I should mention that I have already sent a
8 staff copy of this talk so I am sure they will be able
9 to print that out and distribute it if you are
10 interested so you will be able to get all this.

11 So in those early studies the study team
12 arrived in Bandiagara and quickly set up a clinic
13 treating uncomplicated malaria as part of an
14 observational study of drug resistance but we wanted
15 to move on and study severe malaria and so the Malian
16 investigators sent out and word and gathered the
17 traditional healers at the traditional medicine center
18 to meet with the investigators.

19 Again we had to adhere very carefully to the
20 local customs and protocols. The study aims and
21 procedures were explained. It was a kind of a multi-
22 step set of translations into several languages.

23 Common aims were identified and agreement was reached.

24 And the healers agreed to start referring children
25 who had fever, seizures or coma to the research team.

1 (Slide.)

2 We learned a little bit about how people
3 understood malaria there. There was one term that was
4 identified for "cerebral malaria." This term is
5 "Wabu." It referred to fever that was accompanied by
6 seizures, altered consciousness or coma.

7 And what most people believed was that fever
8 without neurological symptoms is malaria. There is a
9 word for malaria. And that you treat that with
10 chloroquine but Wabu is due to a bird crying at the
11 same time that a child cries as the bird flies near a
12 child and taking the child's spirit. So for that you
13 go see the traditional healer and get herbal remedies
14 and other interventions from the traditional healer.

15 (Slide.)

16 Five of the healers let the team look through
17 their treatment records. They kept very careful
18 treatment records. And what they found was that there
19 was a 50 percent case fatality rate for Wabu as it was
20 managed by the traditional healers and the healers
21 acknowledged that these methods were failing and, you
22 know, that there was a problem.

23 But also it was clear to the community that
24 the methods used at the local district hospital were
25 also not working well. For one thing they did not

1 have the capability at that point at the hospital to
2 do microscopic diagnosis routinely. And, as I said,
3 patients have to pay for all medications and supplies.

4 So you bring in a child with coma and the
5 doctor evaluates them, he writes down on a
6 prescription pad you need vials of quinine, you need
7 needles, you need syringes, you need alcohol, you need
8 the tubing, and if the family cannot afford to go to
9 the pharmacy and buy every last article of medicine
10 and supplies there is no point going to the hospital
11 in the first place.

12 And largely because of those kinds of reasons
13 late presentation and under treatment were common and,
14 also, I think because people would go to the healers
15 first and if they -- the kid did not get better after
16 they were at the healer then they might refer them to
17 the hospital when the disease had already progressed
18 quite far.

19 So everybody, including the traditional
20 healers and the local doctors, recognized that we
21 needed better ways of managing Wabu or severe malaria.

22 (Slide.)

23 So we also reviewed the records at the
24 district hospital and during the kind of peak malaria
25 season of June through September only 11 cases of

1 severe malaria had been treated at the hospital.

2 During the same time period 218 cases in this
3 community, 218 cases of Wabu, had been treated or had
4 been identified in the records of just the five
5 traditional healers, five of probably 25 or 30. So
6 clearly the vast majority of cases of severe malaria
7 were going to the healers.

8 One day after this meeting with the healers
9 five cases came to our study team after two months
10 with only 11 cases coming in for antimalarial drug
11 therapy. And during that first season 55 cases of
12 severe malaria were treated by the study team and in
13 the next season 164 cases.

14 (Slide.)

15 So the way this would work is that the
16 healers would bring the patients directly to the study
17 facility. The clinicians were available 24 hours a
18 day, seven days a week. And throughout the role of
19 the healers in the process was recognized, respected
20 and compensated.

21 And when the child was better they would be
22 referred back to the healer to preserve continuity of
23 care and the status of the healer so that the healer
24 would then be the one to bring the child back to the
25 family and say, "See, you know, you did the right

1 thing by bringing your kid to me because I knew what
2 to do. I knew this was a kid who needed to go and see
3 this team for this kind of treatment."

4 And in the second year of studies they did
5 ask for a little bit of compensation. They asked for
6 \$36 a month to help maintain a garden with their --
7 all their traditional remedies. And even though that
8 was not budgeted, we thought that was just something
9 we could find in our budget to provide them.

10 (Slide.)

11 This just shows you the traditional medicine
12 center which is right across the street from the
13 hospital so it -- it works out very well.

14 (Slide.)

15 Now, of course, we have to also collaborate
16 with the local doctors and there is a physician
17 actually who runs the traditional medical center and
18 also several doctors at the hospital, and they were
19 included in all the plans and discussions.

20 We provided training in microscopic diagnosis
21 and with the local doctors developed simplified
22 appropriate case management plans that involved using
23 effective but cheaper and shorter regimens that were
24 actually going to be affordable even when we are not
25 there or certainly more affordable when we are not

1 there or in children who show up to other facilities
2 where the research is not going on.

3 At this point now we are sharing facilities
4 with the physicians at the local hospital. We make
5 essential medicines available not just for our study
6 patients but for other patients as well and we are
7 hoping that continued interaction and professional
8 education is going to strength the capabilities of the
9 physicians and other staff at the hospital.

10 It actually turns out that the presence of
11 our team and this project contributed to the
12 government's decision to renovate and expand the
13 district hospital.

14 (Slide.)

15 So in this project what we found was that
16 from local case fatality rates for what was most
17 probably severe malaria, although again we are going
18 on healers's records, was about 50 percent and that is
19 about what it is known to be if you do not give
20 antimalarial treatment.

21 In the national pediatric hospital in the
22 capital city of Bamako the case fatality rate for
23 severe malaria was about 16 percent. In our first
24 year we saw fatality rates of nine percent and in our
25 second year 1.2 percent. We think that is probably

1 because people are coming in more quickly.

2 Feedback was provided to the community, to
3 the health workers and the traditional healers, and
4 everybody recognized that this was something that was
5 really working and really made it very easy to
6 continue research in this setting.

7 (Slide.)

8 A couple of ethical concerns did come up.
9 One of the most concerning is that in this setting our
10 team is really the only source of adequate care for
11 this life-threatening condition. So the question
12 arises do parents of sick children really feel they
13 can decline to participate?

14 And there are some mitigating factors. For
15 one thing what we are doing now is strictly
16 observational studies. There are no experimental
17 interventions. Clearly the benefits of getting the
18 treatment outweigh the risks of an observational
19 study.

20 And we are doing training and capacity
21 development to leave a post-study legacy.

22 And, in fact, some children or some parents
23 do decline and, in fact, we do go ahead and manage
24 their severe malaria. We simply do not take blood for
25 the studies and in one instance that my fellow told me

1 about last week after the parent had declined the
2 father came up afterwards and said could he be in the
3 study after all because they were pleased with the
4 care he had gotten.

5 I think we are going to have to be much more
6 cautious and careful as we get into interventional
7 studies. I am pretty comfortable with how we are
8 working things now but if we are coming in with a
9 vaccine study or a drug study clearly we are going to
10 have to be very careful about individual informed
11 consent.

12 And one thing that came out as we were
13 discussing this was that if you are going to have
14 clinical trials monitors going to sites like this you
15 have got to have somebody who either can access what
16 the local beliefs and decision making processes are or
17 who can work with a local person who can help them get
18 at that information because your routine clinical
19 trial monitor would come to a place like this and just
20 have no clue what was really going on and how people
21 were viewing the study.

22 (Slide.)

23 Let me move on now to Malawi and these are
24 some slides that Terrie Taylor helped put together.

25 And this actually is the same institution

1 that Dr. Malenga told you about.

2 The Malaria Project there specifically grew
3 out of local priorities. The Malawi Ministry of
4 Health had recognized pediatric malaria as a major
5 problem and prioritized severe malaria as an important
6 research area in the late -- mid to late '80s and
7 encouraged investigators to pursue funding in that
8 area.

9 (Slide.)

10 The investigators had been working in Malawi
11 for quite some time. Malcolm Molyneux from Liverpool
12 School of Tropical Medicine had been working as a
13 clinician here for ten years before this research
14 project started.

15 And Terrie Taylor from Michigan State
16 University has been living in Malawi for half of the
17 year for seven or eight years at least doing research
18 as well as teaching.

19 Now the local collaborators -- you have got
20 one exception to the rule in Dr. Malenga but, in fact,
21 because, as she mentioned, the school -- the medical
22 school in Malawi was only established a few years ago
23 there was not a large cadre of Malawian physicians.

24 In fact, much of the faculty of the school is
25 from other countries. So that the local collaborators

1 were far -- few and far between. Many of them are
2 over extended and on many projects. They can perform
3 an advisory role but, again with a few exceptions like
4 Dr. Malenga, most of the research is directed by
5 overseas investigators.

6 (Slide.)

7 It began modestly with just using the
8 existing hospital wards with no extra staff and a
9 couple of years later they kind of got a little side
10 room for managing cases of severe malaria with a few
11 staff. And currently they are building a new clinical
12 research unit and the project employs 80 Malawian
13 staff.

14 (Slide.)

15 The contributions that this project has been
16 making have been at the hospital in terms of offering
17 improved diagnostic service. Simply being able to
18 diagnose malaria routinely at all hours of the day and
19 night is not something that had been available before.

20

21 Clinical care for severe malaria and other
22 conditions in this research unit. As Dr. Malenga
23 said, people do get a higher quality of care in that
24 unit than they can get in the general hospital.

25 And also with the new College of Medicine the

1 investigators contribute by doing undergraduate
2 teaching, post-graduate training. There is an NIH
3 training grant that has several Malawian trainees
4 getting degrees and receiving training in the U.S.

5 (Slide.)

6 And when we get to community involvement --
7 in my example of Malawi, the community is really the
8 community. But I think in this case in a big city the
9 community, if you think about it, is really the
10 hospital and the medical school as opposed to a
11 particular neighborhood or a town.

12 And so community participation takes the form
13 of patient care, teaching, serving on committees.
14 Involvement of the community has been difficult, again
15 because local clinicians are contributing to research
16 when it is possible and they are kept informed, but
17 with their overwhelming clinical duties and lack of
18 resources it has been difficult to have a major
19 involvement from Malawian investigators.

20 Staff compensation actually is an issue that
21 Malenga mentioned, that people have more security and
22 get pensions if they are out in the hospital community
23 but those who work for the project get higher wages at
24 the cost of some loss in security because if the grant
25 evaporates so does their job.

1 (Slide.)

2 The oversight of the ethical review process
3 in Malawi -- again you have heard a bit of this so I
4 will move quickly here -- initially was on the
5 national level with a very rigorous and thoughtful
6 national health science research committee.

7 They did not approve all protocols and now
8 has been moved down to an IRB at the College of
9 Medicine. They meet more frequently. There is more
10 dialogue with investigators. They are very careful to
11 ensure informed consent and now there have been a
12 couple of NIH projects. They have gotten their single
13 project assurances from OPRR.

14 (Slide.)

15 SO now let me move on and give you some of
16 our observations based on both of our experiences and
17 starting with a couple of problems at the U.S. end of
18 the ethical review process.

19 One example was that our IRB requested
20 completely inappropriate language that was designed to
21 limit University liability. And I hear people
22 complain about this a lot. In our case when I
23 explained the situation the University said, "Oh,
24 okay. You can strike that paragraph."

25 And I think IRBs might be more amenable to

1 this sort of thing if you really let them know the
2 circumstances in which you are working. Again they
3 may never have set foot in the country but at least in
4 my case I had a very responsive IRB when I went and
5 talked to them.

6 Now single project assurances, as I am sure
7 you know, are defined by projects based on the funding
8 mechanism, not based on the protocols, the human
9 subjects research protocols.

10 So we have had to get multiple SPA's for a
11 single study protocol when there are multiple funding
12 sources and we have also had to get a new SPA when the
13 funding source changed for the same protocol. This is
14 burdensome for all of us and it is really hard to
15 explain to your collaborators in the IRB. "We have
16 already reviewed this. We have already signed this
17 paperwork. Why are we doing it again?"

18 And then on the other extreme a single SP is
19 required for one project so we have a five year
20 project that is going to have many different protocols
21 and OPRR gave us our SPA based on review of a very
22 low-risk observational study and there is not going to
23 be any more review from OPRR for what could be vaccine
24 studies four years from now. So the process does
25 not really make sense to me.

1 (Slide.)

2 And then problems at the other end. I think
3 if you do not go and present the study the local
4 review process is really inscrutable for U.S.
5 investigators. We do not really know what goes on and
6 so having trust in your local partners is really
7 critical.

8 And then something that Dr. Pape touched on
9 is that some local IRBs request overhead or
10 operational costs. And this intermingling of the
11 ethics and the finances is problematic. Protocols can
12 be delayed over monetary issues and not over any
13 ethical concerns.

14 The issue comes up should we pay -- you know,
15 they want 10 percent. So should it be 10 percent of
16 the total grant budget including, you know, all the
17 laboratory studies in the U.S. and technician salaries
18 here or 10 percent of the in country budget?

19 And keep in mind that NIH does not pay over
20 indirect costs to these subcontracting off shore
21 institutions and WHO pays no overhead whatsoever to
22 anybody. So what you end up doing is trying to
23 bargain by offering to train personnel, provide
24 equipment, provide services, or trying to somehow
25 embed the equivalent of overhead in your budget and

1 deal with it that way.

2 (Slide.)

3 So some of our observations. I think a key
4 one is the ethical issues and approaches are very
5 different in different projects. Short-term versus
6 long-term projects, for example. A short-term
7 project, individuals should clearly benefit directly.

8 Lasting community benefit may be more difficult to
9 achieve.

10 In a long-term project the individual benefit
11 may be less but there is much more of an opportunity
12 to benefit the community.

13 And here again let me digress a little bit.
14 One of the things that Professor Doumbo was going to
15 talk about was how they do that and in every village
16 where we have a research project going on in Mali
17 there has been an attempt to get the community to
18 mobilize and we provide or find seed money to build a
19 dispensary or a clinic, often provide a local doctor,
20 and so that when the project leaves you leave behind a
21 clinic and a functioning doctor in a self-sustaining
22 way.

23 Observational and interventional research is
24 obviously quite different. Written individual
25 consent, as you have heard from both of the previous

1 speakers, may be inappropriate for some kinds of
2 studies, for observational studies and especially in
3 illiterate populations.

4 You can document in a written fashion that
5 you got oral consent but the whole business of thumb
6 printing or signing can be really problematic in some
7 populations, not in all but certainly in some. And,
8 as Dr. Malenga indicated, that -- even if they
9 understand the study and want to participate, when it
10 comes to actually putting pen to paper -- I have been
11 told by several people, I do not understand it, but I
12 have been told that in Mali in many settings if you
13 have to sign a paper it means somebody is going to
14 die.

15 And I have tried to figure out what they mean
16 by that but whatever it is, it is serious and people
17 just do not like the idea of signing a piece of paper.

18 I think nevertheless written individual
19 consent is probably still going to be necessary for
20 high risk studies.

21 And then in terms of the collaborations we
22 are very lucky in Mali that there was a very strong
23 well-established group of local collaborators in the
24 medical school who had been there for 30 years versus
25 coming into a setting where the medical school is only

1 five or six years old.

2 And when there is no established cadre of
3 local collaborators it can take many years to develop
4 and train local scientists and that is something that
5 the Malaria Project is now doing with support from
6 NIH.

7 (Slide.)

8 The ethical issues and approaches also differ
9 among different types of communities. In our project
10 we were in a remote rural area where there was no
11 health care system to speak of, a very traditional
12 culture. In the local language there simply is not a
13 word for "science or research." So, boy, try to back
14 translate our consent forms from the Dogon language.
15 I do not know what you would get.

16 The community is really defined by the
17 village or the town. The community consent is really
18 more relevant than individual consent here. Once you
19 have got community consent it does happen that
20 individuals are much less likely to decline to
21 participate.

22 Whereas, in the Malaria Project in Malawi it
23 is an urban setting, a very well established health
24 care system, much higher literacy, and more
25 sophisticated. Again the community is defined by the

1 institution, the hospital or the medical school. So
2 when you think of benefits to the community you need
3 to think in that context.

4 And community consent at the national or
5 institutional level is much farther removed from the
6 individuals and, say, the real community.

7 (Slide.)

8 And we will end up with a few
9 recommendations. First with respect to the U.S.
10 oversight.

11 Detailed regulations and guidelines, no
12 matter how comprehensive they are, they may just not
13 encompass such different settings and different kinds
14 of projects. What is appropriate for one kind of
15 study is totally inappropriate for another kind of
16 study or setting.

17 Nevertheless, if you have very general
18 guidelines, it is clear it is going to be very
19 difficult to implement and enforce them. So one
20 potential solution that we thought we would put on the
21 table is to have oversight of the ethical review
22 process by an experienced and adequately resourced
23 office.

24 And that evaluation of projects and the
25 response to problems that come up could be made on a

1 case by case basis following flexible guidelines
2 rather than following a very specific and rigid set of
3 rules. I think currently the OPRR simply does not
4 have the people to do much more than what they do with
5 the SPA process.

6 But it seemed to us reasonable to think that
7 certification of foreign IRBs and foreign review
8 processes could be based on guidelines and dealt with
9 by people with expertise and judgment tailored to the
10 specific situations instead of following a very rigid
11 set of procedures.

12 And, finally, the single project assurance
13 system, I think, needs to be reevaluated. I would
14 think that it might be possible to develop a special
15 version of the multiple project assurance for overseas
16 institutions so that you could certify the IRB for a
17 period of time or for a number of projects rather than
18 have it be based on the funding mechanism.

19 (Slide.)

20 And then the issue of compensation that Dr.
21 Pape raised. I think clearly it costs money to run
22 the IRB and to perform their functions.

23 My recommendation, rather than 10 percent of
24 the project budget -- I mean, our contract is
25 something like \$9 million over five years, so \$900,000

1 for, you know, your IRB review would be a bit much.
2 Maybe a standard payment per protocol review would be
3 reasonable.

4 And, also, overhead and indirect costs to
5 overseas institutions. I mean, just the issue of
6 fairness. U.S. institutions can get 30 or 40 percent
7 overhead, and even for studies that are done
8 completely overseas, our institution takes eight
9 percent overhead and the overseas institution where
10 the work is going on gets nothing. It is not fair.

11 So it seems reasonable to allow overhead on
12 the in-country budget, or make it explicitly allowable
13 to have budget line items for overhead sorts of costs
14 at the off shore research sites that can be payable
15 directly to the central institution.

16 (Slide.)

17 And I will end by saying that I really think
18 the key to doing ethical research in these settings is
19 partnership with the local communities, meaning
20 communities in all sense of the word, including the
21 local community, the local investigators, and the
22 scientific community there.

23 That close long-standing relationships
24 between the Northern investigators and the local
25 investigators and communities is critical. If you do

1 not have these relationships the processes for
2 community decision making and informed consent are
3 just not accessible to you as an outsider.

4 And if you do not have local collaborators
5 you need to develop them, and it takes time.

6 And the training and capacity building really
7 should be a part of projects in these settings and
8 these provide you with mechanisms for building and
9 strengthening the relationships with your
10 collaborators and for leaving behind lasting benefits
11 in the communities where you are working.

12 And, lastly, this is something again that
13 Professor Doumbo would have talked about but -- and I
14 will not dwell on it but just to mention that the
15 granting agencies, I think, are beginning to and need
16 to deal with the issue of realistic compensation for
17 foreign investigators in their U.S. funded research
18 projects.

19 Thank you.

20 DR. SHAPIRO: Well, once again thank you very
21 much.

22 I know there will be questions. I have got a
23 list already of questions people would like to ask you
24 and, of course, we have our other guests here, too, if
25 you want to direct any additional questions to them.

1 But, Jim, you are first.

2 DISCUSSION WITH COMMISSIONERS

3 DR. CHILDRESS: I would like to thank all
4 three presenters for very helpful presentations that
5 will really be important to us as we continue to think
6 about how to proceed in this area.

7 This one I will address to Dr. Plowe, our
8 last speaker, and then others may wish to comment on
9 it, too, because throughout the morning there has been
10 obviously a series of comments that suggest how
11 difficult it is to draw a line between therapy and
12 research in particular settings.

13 And you commented that one concern you have
14 is that avoiding -- that you need to avoid coercion.
15 You did not talk as much about the kind of information
16 that needs to be disclosed in that sort of setting but
17 I guess I am curious as you think about the process of
18 consent, voluntary and informed, how -- what kinds of
19 things do you feel it is important to do in order to
20 make sure that this therapeutic misconception, the
21 close connection for both the individual as the
22 individual perceives it, and also the community,
23 between therapeutic benefits and research. Ways in
24 which you can tease that out and actually have
25 voluntary informed consent by the individual.

1 Any reflections you have would be helpful and
2 then others too.

3 DR. PLOWE: Yes. I mean, I think it is
4 difficult but I think you can convey a lot of the
5 concepts that are important to convey. I mean, I have
6 sat actually in the township clinic that we have
7 outside Blantyre, Malawi, and watched informed consent
8 take place with my laboratory assistant so he is not
9 part of the clinical team and, hopefully, not biased
10 whispering in my ear an English translation of the
11 Chichawa conversation.

12 And remarkably the clinical officer was
13 following, you know, very carefully the process.
14 Comprehension, of course, is a whole different
15 question. I think we have been lucky in the kinds of
16 studies we have been doing in that we are not doing
17 placebo controlled trials yet, for example, and so we
18 have not had to grapple with some of those issues.

19 But with a lot of back and forth, you know,
20 you can get across the idea that, yes, we are
21 providing clinical care but we are going to take blood
22 and we are going to take blood because we want to
23 understand, you know, why the malaria parasite makes
24 some people sick and other people are not sick when
25 they have the parasite.

1 So even if you are not using terms like
2 "research or science," I think it is possible to work
3 with your local collaborators who understand the
4 culture to come up with creative ways of wording
5 things and techniques for conveying the key elements
6 of what you are doing so that people do understand.

7 DR. SHAPIRO: Trish?

8 PROF. BACKLAR: And I am actually going to
9 pass.

10 DR. SHAPIRO: Okay. Bernie?

11 DR. LO: Thank you for a thoughtful
12 presentation.

13 I want to ask you some questions about one of
14 your last slides on partnership and I think we all
15 have a very clear understanding of how you work so
16 hard to achieve that partnership in the rural Mali
17 setting, going to the community and so forth.

18 One question is, did you revise your project
19 or protocols in response to those discussions? Was --
20 did they -- did the partnership extend to your getting
21 input from the community elders and the community at
22 large that led you to modify your research project?

23 And, secondly, how do you involve the
24 community in the urban area? You talked about the
25 hospital and clinic really being a community. How is

1 it possible to involve potential subjects or their
2 representatives in this partnership process in an
3 urban setting as you were, for example, in the rural
4 setting?

5 DR. PLOWE: The first question -- I do not
6 think we modified the actual protocol based on input
7 from the community but we certainly modified what we
8 did and how we went about things. I mean, certainly,
9 practical suggestions on, you know, how to approach
10 people and how to inform people, and how to enroll
11 people, how to conduct follow-up, all, you know, had
12 input from local people at various levels.

13 And then the actual clinical protocols that
14 we used for treating severe malaria were modified with
15 input from the local physicians based on what was
16 realistic in that setting and what they might be able
17 to continue to do once we left with all of our
18 research resources.

19 I guess in terms of involving the -- I mean,
20 my slide said that the review process can be quite
21 remote from the real community in the urban setting
22 and, boy, I think that is tough in an urban setting in
23 Africa. I mean, you could go out and look for a
24 community representative but -- I mean, maybe Grace
25 would like to address this.

1 I am not aware of a kind of community
2 structure in the urban setting that you can tap into.

3 It just seems so fragmented as opposed to the village
4 where there is such a clear hierarchy and, you know,
5 contact point and a procedure involved. I am kind of
6 mystified by how you could -- other than just kind of
7 asking someone almost at random from the community to
8 be involved.

9 DR. SHAPIRO: Thank you.

10 Alta?

11 PROF. CHARO: Dr. Plowe, as I was listening
12 to your discussion about the problem with the single
13 project assurances and such, I found myself reflecting
14 on the current interest domestically in an
15 accreditation process for IRBs in the United States
16 and potentially even for individual investigators that
17 would allow for more abbreviated procedures for those
18 people that have been demonstrated to have the
19 capacity to handle the rules and understand the
20 concerns.

21 Are you suggesting something on that order
22 that would supplant the existing regime of rules and,
23 if you are in any respect, would you focus your
24 attention at the level of Ministries of Health or at
25 the level of the individual IRBs given that the

1 countries can vary in size as greatly as Nigeria to
2 Togo?

3 DR. PLOWE: I think I do have something like
4 that in mind. I do not really know how the MPA
5 process works. I have not really been involved with
6 that. But it seems like some kind of standing
7 recognition of the IRB as being properly constituted
8 and composed that is not just sort of random -- I
9 mean, it just depends on how many grants go in and how
10 many SPA's and how many times you make sure the IRB is
11 still composed the same way.

12 So, yes, some kind of certification process
13 perhaps analogous to MPA's, perhaps some entirely new
14 mechanism.

15 Remind me what the second part of your
16 question was.

17 PROF. CHARO: Focus being at the level of
18 individual IRBs or at the government to government
19 level.

20 DR. PLOWE: Right. I think it would be tough
21 to do it at the Ministry of Health level because how
22 involved the Ministry is in the research and how tuned
23 in the people in the Ministry are can vary hugely from
24 country to country.

25 And in some countries like Malawi where it is

1 a relatively small country and I think everybody knows
2 what everybody else is doing pretty well, it might
3 work but I would think you would want to go directly
4 to the IRB.

5 I mean, in the case of Mali, the people
6 involved in the research at the university level are
7 much more sophisticated and responsive and I think you
8 would get a lot farther with them than you would with
9 the Ministry.

10 DR. SHAPIRO: Thank you.

11 Arturo?

12 DR. BRITO: I, too, want to thank you for
13 that very informative presentation. I was most struck
14 by the sense I got about the collaboration going on in
15 these studies.

16 I have two questions. One of them relates to
17 what Jim asked about the therapeutic misconception
18 idea that you partially answered by stating that you
19 are not doing placebo trials at this time or you have
20 not been.

21 I was curious about the trial in Mali that
22 you described. I am not real clear on what the design
23 of that project was and I got a sense on some slight -
24 - well, not sense -- on some of the slides they used
25 the word "treatment" to refer to research protocols

1 was used and that in itself is a therapeutic
2 misconception because true research does not
3 necessarily provide treatment.

4 So I would like a little more clarity on what
5 the design of that project was and then I will ask the
6 second question.

7 DR. PLOWE: Yes. The project I was referring
8 to was a case control study of severe malaria. So
9 what we are doing is we are enrolling kids with severe
10 malaria and then going out and finding a case of
11 uncomplicated malaria as a control and just this year
12 began enrolling healthy controls as well. So matched
13 controls.

14 And the only other experimental thing we are
15 doing is drawing blood on the kids so we can compare
16 risk and protective factors for severe malaria. There
17 is nothing experimental about the treatment they get.

18 They all get good standard treatment for malaria and
19 whatever else they have.

20 DR. BRITO: So, therefore, the outcomes are
21 generally going to be good in terms of the treatment
22 and --

23 DR. PLOWE: Right.

24 DR. BRITO: Okay.

25 DR. PLOWE: We are actually not studying the

1 outcome. We are simply looking at what walks in the
2 door and then can we identify risk and protective
3 factors for that phenomenon that we observe, and then
4 we just give them the best treatment we can and
5 achieve the best outcome we can.

6 DR. BRITO: Okay. And then I was also struck
7 by the graph that you had up there of the different
8 relationships that you had, and at first I was a
9 little bit worried about the strongest relationship
10 was not with the traditional healers but with the
11 intermediaries.

12 And this is something I have thought about
13 quite a bit on other issues that have come up is what
14 -- what is the culture of those -- the researchers,
15 the Malian researchers?

16 Are they more -- is their culture more
17 closely related maybe to Western culture or is it
18 closer to traditional cultures, and what are their
19 potential gains by being involved in these research
20 projects? Or are they truly bicultural and truly
21 think about both? I got the sense they do, but I
22 would like a little more explanation on that.

23 DR. PLOWE: Yes. In this particular case,
24 and it is a very different story in other places I
25 have been in East Africa, say, where they have been

1 very much more Westernized.

2 But in this particular case I think they are
3 truly bicultural to the extent that some investigators
4 have more than one wife in traditional Malian style
5 and maintain a big compound in the countryside, you
6 know, with all the relatives and, you know, sending
7 kids to -- nieces and nephews to school.

8 And our collaborators are very close to the
9 community and, as I said, two of the senior
10 investigators are actually from that community. So
11 they are very able to see both worlds and actually a
12 very good example of that is our anthropologist.

13 He is training in Montreal. He is getting
14 his second Ph.D. in anthropology but he has also
15 trained with two Marabouts, two traditional healers, so
16 he is kind of double certified both in traditional
17 medicine and in anthropology.

18 He is a fascinating guy to talk to because he
19 really understands the traditional culture and
20 believes in it, you know, has dreams and interprets
21 them and that sort of thing but also is very
22 sophisticated in Western ideas as well.

23 DR. BRITO: Thank you.

24 DR. PLOWE: And in terms of benefits they get
25 out of it, my graduate student got into malaria

1 research after he had already become a successful
2 pharmacist with his own business because of a younger
3 brother who had died of malaria. I mean that is his
4 story. He had a very personal involvement.

5 And I think many of the investigators in the
6 endemic countries have a very, kind of, personal drive
7 to do something good for their communities and for
8 their field.

9 There are many other benefits, you know,
10 recognition, publications, grants, salaries, et
11 cetera.

12 DR. BRITO: Okay. Thank you.

13 DR. SHAPIRO: Diane?

14 DR. SCOTT-JONES: I also want to thank you
15 for your presentation. It was very helpful.

16 I have a question about your thoughts about
17 Dr. Malenga's comment earlier that mefloquine still is
18 not available widely or available at all some 10 to 15
19 years after the research.

20 I understand that what you are doing is in a
21 sense descriptive, that you are not testing any
22 treatment, but what are your thoughts about the
23 ethical obligation to leave some benefit to the
24 country in which the research is done on a treatment?

25 DR. PLOWE: Yes. I think I would have

1 questions about doing a study in Malawi on mefloquine,
2 as a specific example, knowing that that is going to
3 remain a very expensive drug. I mean, it is available
4 in Malawi if you have the money to buy it but it is
5 not the drug that is out there in the clinics.

6 I think Malawi is a special case because they
7 decided to switch from chloroquine to this other drug,
8 SP, and that at the time was a very effective drug and
9 a good public health choice.

10 But another example is from other countries
11 in Africa. SP is beginning to fail and there is
12 another alternative drug that is similar but has many
13 advantages and treats the parasites that are resistant
14 to SP and the research has been going on for a number
15 of years.

16 And one of my colleagues in East Africa had
17 been doing research on this and he got so concerned
18 that the process was taking too long with the
19 industrial sponsor and the WHO that he broke ranks and
20 went and found a drug manufacturer in Kenya and is now
21 setting up the formulation of the drug to sell it in
22 Kenya because he just thought it was unethical to wait
23 any longer.

24 And, you know, I do not want to blame
25 industry because, you know, the scientists who work in

1 industry are our advocates and they are pushing, you
2 know, as hard as they can to get as many resources as
3 possible to get these drugs and interventions out
4 there and as cheaply as possible but, you know, within
5 their institutions they are dealing with the
6 accountants and other executives who are maybe more
7 resistant. There are good people in industry who are
8 really advocating trying to get drugs out there
9 cheaply.

10 DR. SHAPIRO: Thank you. This Eric here,
11 Eric?

12 DR. MESLIN: Chris, just very quickly. You
13 had mentioned in your remarks that one of the consent
14 issues was liability and an issue came up and you
15 presented information that convinced the U.S. IRB to
16 drop language.

17 Was that the standard regulatory language
18 about compensation for injury which essentially says
19 if there is a compensation program we will let you
20 know, if there is not a compensation program we will
21 let you know, or was it something more explicit that
22 you asked be dropped because it was not appropriate?

23 DR. PLOWE: I do not remember the exact
24 wording but it was something along the lines and a
25 phrase where, you know, the University of Maryland is

1 going to treat you if something happens, you know, and
2 we are not going to Medevac somebody all the way from
3 Bandiagara to the University of Maryland. You know,
4 if we say that, you know, we will take care of medical
5 problems, you know, locally or something but it was
6 something along those lines.

7 DR. SHAPIRO: Thank you.

8 Eric Cassell?

9 DR. CASSELL: At one point you -- in your
10 closing slide you discussed the relationship of
11 community consent and individual consent, and that is
12 a matter that interests us a great deal.

13 And I would like you, if you could, to make
14 clearer what the word -- I mean, how that works and
15 what it means because if we see it from the United
16 States' perspective we tend to see it as hierarchy
17 overwhelming unsuspecting individuals who will then be
18 taken advantage of, but seen from a different cultural
19 perspective it is very different.

20 And I would like you to make that clear if
21 you could, please.

22 DR. PLOWE: Yes. I tried to touch on that a
23 little bit with describing that kind of month's long
24 process that goes on, but to my understanding of it
25 from my Malian colleagues, it is a process that

1 includes discussion with everybody in the community.

2 So even if the point of contact is the elder,
3 it is not the elders sitting in a room by themselves
4 making a decision and then imposing it on the
5 community, it is an ongoing discussion at multiple
6 levels with multiple iterations and chances for
7 questions from anybody who wants to ask questions,
8 including the younger people in the community, and
9 then they bring their concerns and questions back to
10 the elders or it comes up in a public meeting with
11 everybody in the community and the elders then
12 articulate it as the mouthpiece for the community back
13 to the investigators.

14 And it is clearly a process without which in
15 our settings we could not do the work but that does
16 not mean that we get community consent and do not get
17 individual consent. It simply means we recognize we
18 have to get community consent to do anything and then
19 once we have got that we still go through the process
20 of getting individual consent.

21 DR. CASSELL: And that procedure that you
22 discussed with the questions back and forth, and so
23 forth, that does not just apply to the research
24 setting, does it? In other words, that is a common
25 procedure in the community to solve the community's

1 problems?

2 DR. PLOWE: That is how they make decisions
3 in the community, and what I am saying is that I would
4 not have any idea what that process was if I were not
5 closely partnering with Malian researchers who did
6 understand that process.

7 DR. SHAPIRO: Thank you.

8 Steve?

9 MR. HOLTZMAN: This is somewhat of a follow-
10 up to Diane's question to Dr. Plowe but it really
11 would go to all of you. It has to do with a situation
12 that certainly I find my company runs into. We're much
13 like you, Dr. Plowe. We do very early stage research
14 into factors having to do with susceptibility and
15 resistance. Our goal, and I am not sure what your's
16 is, is to use that information then to develop drugs.

17

18 One can find yourself going into a community
19 to gather that kind of information, and the question
20 is asked, will those drugs be made available, and the
21 first point is we do not even know if there is going
22 to be a drug. Second off, the probability is that if
23 we develop something and put it into human beings
24 there is a higher probability of it failing than
25 becoming a drug. And, lastly, it is 15 years off.

1 And so what struck me is that, at least in
2 your research, what you looked for effectively was a
3 conferring of indirect benefit to the local community
4 as it were a positive payback to the community here
5 and now in terms of treatment, in terms of care, in
6 terms of training.

7 And then a curious movement takes place in
8 our minds where we start to worry about coercion. As
9 soon as one talks about these indirect benefits, be
10 they money or something other than the drug substance
11 itself, it is coercion potentially. Yet, of course,
12 it seems that a promise of making the drug available
13 could also be a form of coercion.

14 So I am just curious as to how when you are
15 dealing in communities such as all three of you deal
16 with and you are approached by investigators who want
17 to work with it, and there is a low probability of the
18 benefit of the drug getting there, whether this raises
19 the same kind of moral dilemma if there is an
20 alternative benefit that seems to arise in the minds
21 of those of us sitting on the outside looking at it?

22 DR. PLOWE: I had not thought of it in those
23 terms but, you know, coming back to the mefloquine
24 question. Maybe it would be reasonable to test an
25 intervention like that that realistically is unlikely

1 to be available to that community in the short-term if
2 in the course of the study you are benefitting the
3 community in other ways.

4 I mean, most of what we are doing right now
5 is, you know, basic pathophysiological stuff that may
6 or may not ever lead to intervention. The hope is
7 that it will, as with all basic science. So to make
8 it fair to the community we do provide these ancillary
9 benefits not directly related to the research
10 questions we are testing.

11 DR. SHAPIRO: Thank you.

12 Larry?

13 DR. MIIKE: A question for all three of you.

14
15 It is clear that in order to do research you
16 either need an established local presence or you build
17 the capacity for it. What is happening to the review
18 process at that same time? Is it left up to ad hoc
19 processes to develop a parallel IRB structure, for
20 example, in these institutions? Or is there any
21 effort -- a planned effort to develop a capacity of
22 the IRB process at the same time that the research
23 capacity is being built?

24 DR. PLOWE: In my experience, wherever I have
25 worked, there has always been a committee of some sort

1 that reviews research either at the national level, as
2 it was in Malawi before, or perhaps the institutional
3 level, and then when you come in with an NIH funded
4 project and start developing your site, in order to
5 begin you need to have an SPA.

6 So you talk to your investigators who then go
7 to the university chancellor or whomever is -- your
8 Ministry of Health, whoever is responsible, and
9 negotiate with them to get the committee constituted
10 in a way that satisfies the OPRR requirements.

11 So that is essentially the extent of it but
12 it has got to happen at the outset or else you cannot
13 start spending money overseas if you do not have your
14 SPA.

15 DR. MIIKE: But then you are in a situation
16 where you walk into an environment that already had an
17 established review process. I am more interested in
18 how did it get there and is it by planning or is it
19 just because, oh, we need a review process because we
20 are going to do research and then it goes about -- it
21 gets developed in an ad hoc way?

22 DR. PLOWE: Maybe I will ask my colleagues to
23 address how it has worked in their settings.

24 DR. PAPE: In our situation in Haiti it had
25 to be created because there was no institutional IRB

1 anywhere and, as I mentioned, the National IRB took a
2 long time to create and it is only last year that it
3 has been put in place. Therefore, research projects
4 must be reviewed in that context and IRB are set up to
5 answer specific questions that research projects may
6 have.

7 DR. MIIKE: But that relates to your question
8 about, you would like to see a percentage of funds or
9 some kind of mechanism to use so that you can develop
10 that capacity rather than leaving it to sort of
11 develop on its own. That was the basis for your
12 recommendation?

13 DR. PAPE: Yes. Clearly I think that if you
14 really want to have these recommendations implemented
15 there has to be some way to provide support for the
16 local people to implement them. Otherwise, you know,
17 you could be improving consent forms in your mind as
18 much as you want but it will not be done. The best
19 way to do it is to improve the situation at a local
20 level.

21 DR. SHAPIRO: Thank you.

22 Ruth, you had a question?

23 DR. MACKLIN: Yes. I do not recall whether
24 it was when you were discussion Mali or Malawi but at
25 one point you said that the local review process was

1 inscrutable and that one had to trust the local
2 process, the local researchers and process. Could you
3 just elaborate on that a bit? I mean, what is it that
4 was inscrutable? And here I have in mind Dr. Pape's
5 recommendations that the researchers and that the
6 review bodies communicate with one another and they
7 visit one another and have some kind of communication.

8 So, I mean, you were there as a researcher.
9 What was inscrutable and could there have been any
10 better communication?

11 DR. PLOWE: My concern initially was that I
12 did not know if the IRB was really going to review
13 projects or there was going to be a kind of rubber
14 stamp that would do whatever the investigator asked
15 them to do. And over time those concerns were
16 alleviated by the IRB coming back with objections or
17 questions or, you know, in the case of Malawi simply
18 not approving a protocol despite every effort by the
19 investigators to convince them that it was okay to go
20 forth.

21 But it is simply that -- especially where I
22 do not speak the language I just do not know how it
23 works and if it works the way it is supposed to work.

24 I mean, the only way you can be sure it does is by
25 believing your collaborators when they tell you that

1 it is.

2 DR. MACKLIN: You did mention the -- I guess
3 the inscrutability was a function of your not knowing
4 the language basically, in a way.

5 DR. PLOWE: Well, but I do not go to the
6 meetings either.

7 DR. MACKLIN: Right.

8 DR. PLOWE: So I am not observing how it is
9 actually working.

10 DR. MACKLIN: Did I hear you say that they
11 did not approve one project and, if so, did you know
12 why?

13 DR. PLOWE: Yes. Actually Grace may know
14 more. This was a -- there is an autopsy study going
15 on to understand why children die of severe malaria.
16 And that actually -- even though it was reviewed in
17 Malawi, it was not reviewed here and did not need an
18 SPA because dead people are not human subjects.

19 But it was meant to be paired with a clinical
20 study of a drug to treat severe malaria and they kind
21 of went in together at the same time and the Malawian
22 National Committee felt that doing a study where you
23 are testing an intervention for a disease and then
24 doing a study where you benefit -- your study benefits
25 if somebody dies -- was an inherent conflict of

1 interest and that there might be bias to, you know,
2 not treat people as well or something like that. So
3 they nixed the clinical trial but let the autopsy
4 study go ahead.

5 DR. SHAPIRO: Thank you.

6 Trish, then Alex, then Rhetaugh, and then I
7 think we will take a break.

8 PROF. BACKLAR: Thank you, Dr. Plowe, for
9 your presentation.

10 I must say there were parts of it that I
11 thought that we should borrow to use as an exemplar
12 for our report on research in this country, not just
13 in international and under developed countries.

14 There was something -- it is -- I have a
15 question that is in two parts. One thing that you and
16 Dr. Malenga both mentioned was that clinicians who
17 work in the country are -- benefit more by working in
18 the research protocols because it is higher paid.

19 And I am wondering if that causes some kind
20 of tension from drawing clinicians to work in research
21 protocols and how their care -- their care -- ordinary
22 care would proceed in such cases. How many
23 clinicians, for instance, would there be available in
24 a small country with -- as you describe it?

25 DR. PLOWE: Why don't I answer for Mali and

1 then maybe Dr. Malenga wants to make a comment about
2 Malawi.

3 PROF. BACKLAR: Yes.

4 DR. PLOWE: In Mali they have had a medical
5 school for 30 years and they turn out far more
6 graduates than they can find work for. So there is a
7 huge surplus of trained physicians. So the fact that
8 we are able to employ some of them as physicians
9 instead of, you know, restaurant owners is a good
10 thing for the country.

11 PROF. BACKLAR: Okay.

12 DR. MALENGA: Well, Malawi is obviously a
13 younger institution and the problem is certainly there
14 but probably not just for physicians. This applies to
15 nursing staff as well.

16 PROF. BACKLAR: Right.

17 DR. MALENGA: I mean, at Queen Elizabeth
18 Central hospital now you have nurses resigning or
19 retiring prematurely from government service, you
20 know, to join the university project.

21 The nice thing, though, about it all is that,
22 okay, you do not lose the nurses from service. They
23 are just transferring from one unit to the other, but
24 within the same hospital, so all in all I suppose you
25 could say there is no actual loss as such but

1 certainly the move is there from, you know, government
2 to university institution both for clinicians as well
3 as nursing staff, and probably more for nursing staff
4 in terms of Queen Elizabeth Center hospital, at the
5 moment, given the smaller numbers of the others.

6 PROF. BACKLAR: The other part of the
7 question is for all three of you, it is that I
8 noticed, other than Dr. Pape, there was really no
9 question or you did not bring up any of the issues to
10 do with assessing people's capacity to be in a
11 protocol.

12 And, Dr. Pape, you referred to this
13 questionnaire that you had, and I am not certain that
14 that actually was for an assessment of capacity
15 because you said that if somebody sort of failed it
16 the first time they could retake it. And I would be a
17 little suspicious of people retaking something that
18 was assessing their capacity in that way of
19 understanding something about the protocol.

20 DR. PAPE: We feel that there are questions
21 that are so important, because in the questionnaire we
22 have focused on the most important ethical concerns
23 that a volunteer may have. Therefore, we have
24 included questions that we feel are essential for them
25 to answer. So if a volunteer missed one question

1 because before he gets to pass that test he has three
2 counselling sessions at different time periods that
3 deal with different questions.

4 So it is quite possible that he may have
5 misunderstood one or two of those questions and,
6 therefore, we feel that if he is willing to
7 participate he should be given a chance because this
8 is a process that goes before he provides informed
9 consent. We feel that he should fully understand what
10 he gets involved in before he signs or provides the
11 informed consent.

12 So we do not see any problem with him being
13 re-counselled about one or two questions that he may
14 have had difficulties with.

15 DR. PLOWE: And I think this is another
16 example of something that may make a lot of sense in
17 one setting and one kind of study and not make any
18 sense at all in another setting and another kind of
19 study.

20 You know, at the Center for Vaccine
21 Development for our domestic vaccine trials, detailed
22 testing is always done on all volunteers and. In fact,
23 for malaria vaccine trials they have to know the
24 malaria life cycle better than many medical students
25 do and pass this test to be in the study.

1 But to then go out into a rural village in
2 Africa and try and, you know, administer a test just
3 strikes me as something that would be pretty tough to
4 execute.

5 DR. SHAPIRO: Thank you.

6 Alex?

7 PROF. CAPRON: Just a comment on the last.

8 The notion of trying to ascertain that
9 volunteers are informed decision makers independent of
10 a consent process strikes me as something that is very
11 relevant and I am glad to know that you follow it in a
12 domestic as well as in an international setting, and I
13 think it should get more attention from us.

14 What I wanted to do was reflect on what I had
15 heard from all three of you and ask if you can help
16 with a problem that I am left with.

17 I am very sympathetic on a case by case basis
18 in hearing the kind of trust relationships that you
19 have built up and your wish that you had even better
20 avenues of developing that trust between IRBs at
21 institutions in the United States and in international
22 projects, and between federal regulators. As Dr.
23 Plowe suggested, it would be good to deal with a well-
24 resourced and experienced office.

25 The problem I have is in knowing how to

1 implement that when any particular research project in
2 Malawi or Mali or Haiti may be connected to two or
3 three different institutions in the United States, and
4 additional institutions in France or in Canada, or in
5 Great Britain.

6 And then finally, the question of whether in
7 that wish for this well experienced office, what one
8 is wishing for are people who will basically trust
9 you, people who will ask you some reasonable questions
10 but who will in their own judgment size you up, size
11 up the project, and so forth.

12 And then I am left with the question that
13 Ruth put to you, Dr. Plowe, which is if the process
14 locally is somewhat inscrutable to you, then in your
15 expectation that the IRB office or the OPRR office or
16 whatever it would be in the United States will go
17 along with the process of local approval, you are
18 saying, in effect, that they should trust you to have
19 basically picked a group of collaborators locally who
20 you can rely on to have gone through a good local
21 process, and in any particular instance once you get
22 to know all of those steps you can feel confident.

23 I fully believe that the situations that you
24 are describing would meet the kind of scrutiny that we
25 would like to have applied but in developing a system

1 how do you expect -- how would you help us to describe
2 such a system in a way which the American people, to
3 the extent that they want to rely on these regulations
4 and guidelines to ensure that support from the United
5 States is not going to projects, which when brought
6 out into the light of day will cause people to say,
7 "How did that ever get approved?"

8 I mean, how can you be doing that? And
9 look to the office and say, "How did you ever allow
10 that to go on?"

11 Is there any regularized mechanism that would
12 cover all this, because the idea of all the different
13 IRBs traveling around the world, interacting with all
14 of their counterparts elsewhere. And the idea that
15 someone will have an adequate judgment in a well-
16 resourced OPRR office somewhere that -- I am just not
17 sure that that is going to play out and I wonder if
18 you have any way of helping me with what I see as a
19 problem in wanting to follow the lead that you have
20 suggested but being skeptical as to whether or not as
21 a generalized matter applicable to researchers, not
22 only of your quality but perhaps people who are less
23 scrupulous, we could feel equal assurance that it is
24 going to work.

25 DR. PLOWE: I do not think I meant to imply

1 that what I was hoping for would be an OPRR that would
2 just sort of take me at my word and trust me that, you
3 know, we are doing things okay. I think what I was
4 hoping for was more flexibility and then I come back
5 to the SPA example.

6 So that if it does not make sense to have
7 four different SPA documents come into OPRR for the
8 same protocol to have the flexibility to say, okay, we
9 have got the SPA for this protocol, we do not need
10 another one from this university, and because of this,
11 this grant -- I mean, that is the kind of judgment and
12 case by case decision that would be nice to have the
13 flexibility to make. And I guess the experience and
14 confidence to make judgment calls like that like many
15 government offices do.

16 I think -- that is -- it is a long detailed
17 and tough question. I think I would have to sit down
18 and think about how you could actually formulate an
19 office that would function the way that we are
20 envisioning but it certainly was not that, you know,
21 just leave us alone, let us do our job, and take our
22 word for it that the process is okay, but to have a
23 standard process.

24 And again coming back to the example of maybe
25 if you have a site overseas where they are doing

1 federally funded research, to have an annual
2 certification of that IRB that would say that they are
3 properly constituted and, therefore, qualified to
4 approve this and any other projects that come in, in
5 the next 12 months, that have been approved by the
6 U.S. IRBs.

7 Because the OPRR does not review the
8 protocol. They simply look at the constitution of the
9 IRB and if it does not have the right members then
10 that is all there is to it.

11 So that this kind of rigorous standardized
12 process is not particularly meaningful in terms of
13 really reviewing what is going on. All it does is
14 make sure you have got one of this kind of person and
15 one of that kind of person on the IRB.

16 DR. PAPE: Well, I view things very simply
17 instead of looking at them in a complex way. I see
18 that there are really two concerns. The first one is
19 informed consent. Are we really sure that the person
20 who is going to participate in that study fully
21 understands the advantages, consequences, et cetera,
22 et cetera.

23 And you can write the longest consent form in
24 the world, it is not going to ensure that for this
25 country or any other country. So this is why I think

1 that having a test, and a test we have done it for the
2 rural areas. It has to be -- the questionnaire has to
3 be as complex as the study is. If it is a simple
4 study it could be five or six questions. So this is
5 the first one.

6 The second one is who is going to make sure
7 that there is compliance with those regulations? You
8 are here and you have no way of monitoring something
9 in Haiti or in Mali or in Malawi. So you have to
10 trust your counterpart in that country.

11 And the best way to do that is to make sure
12 that they are trained, that they obey by certain
13 rules, and that you work with them and that there is a
14 working relationship. The same way there is a
15 relationship between the researcher and the potential
16 volunteer, that the two IRBs know what each other is
17 doing.

18 So to me I think that eventually we will get
19 there but I see it very simply and I think it will
20 work this way.

21 DR. SHAPIRO: Thank you very much.

22 The last question, Rhetaugh?

23 DR. DUMAS: I would like to add my
24 appreciation to all of you for coming and sharing such
25 an enlightening presentation with us.

1 I have concerns about research resources
2 which is a common theme for all of you. And I am
3 wondering whether it makes any difference whether
4 there is joint sponsorship with the country --
5 countries that are participating or not.

6 And then I had another -- I have another
7 question. In cases where there are several United
8 States institutions doing research in a particular
9 locale, is there collaboration among those
10 investigators and those institutions here?

11 Do you want to start with the one about
12 research resources? Does it make a difference whether
13 or not there is joint sponsorship as to whether or not
14 you have the resources that you need to have and
15 whether there is resources available for -- to help
16 the local people?

17 DR. PAPE: Well, we have had various projects
18 supported by various universities. It is true that it
19 brings more resources but it makes the ethical process
20 much more complex because you have to submit to
21 different committees and, you know, they have
22 different rules and regulations, et cetera. But it is
23 true that it brings more expertise and more
24 possibility for training in particular.

25 DR. PLOWE: It is hard for me to imagine in

1 Mali, which is one of the five poorest countries in
2 the world, convincing the government that they should
3 spend their incredibly limited resources on research
4 in kind of cosponsorship with the NIH given that
5 perception of how kind of rich we are compared to the
6 hospital and the other government institutions.

7 But having said that, in a sense we are
8 cosponsoring in terms of, you know, them deciding that
9 they would renovate the hospital where we are working,
10 in part, because it is becoming a research center.

11 And, similarly, this is something that
12 Professor Doumbo could have articulated but they are
13 working directly with the National Malaria Control
14 Program so the National Malaria Control Program pays
15 for the bed net study or bed net interventions and
16 that sort of thing with a lot of input from applied
17 research and provision of expertise. So there is
18 partnership but certainly not really sponsorship --
19 local sponsorship of the research projects themselves.

20 DR. SHAPIRO: Well, let me thank all our
21 panelists very much for being here today and echo the
22 many sentiments of my colleagues here of our gratitude
23 to you for being here and, needless to say, for the
24 work you have done over the years in the field.

25 We will break now and reassemble about an

1 hour from now, which will be a quarter after 1:00. I
2 would ask commission members to really try to be back
3 because that is when our public comment session is and
4 I think it is important for us to be here for that
5 public comment.

6 There should be -- we only have one person
7 signed up right now. There may be others at that time
8 but I really ask you all to be back here one hour from
9 now.

10 Thank you again very much.

11 (Whereupon, at 12:15 p.m., a luncheon break
12 was taken.)

13 * * * * *

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A F T E R N O O N S E S S I O N

PUBLIC COMMENT

DR. SHAPIRO: Colleagues, if we could
reassemble and begin our meeting this afternoon.

Is Mr. Corey Kinna, K-i-n-n-a, here?

Mr. Kinna had signed up. From the Thurmont
United Methodist Church had signed up and now is our
public comment period. So I just want to make sure
that we make provision if he is here.

Is there anyone else here who would like to
address the commission at this time?

All right. If not, we will move on with our
agenda.

Before we turn to -- let's -- our discussion
this afternoon, essentially of aspects of the
International Research Project, Chapters 3 and 4, let
me turn to Alex, who has a -- I think a motion or a
request that he would like to make.

MOTION BY MR. CAPRON

PROF. CAPRON: Following along our discussion
this morning growing out of the charter provision in
the 1999 version of the NBAC charter that we
specifically identify the federal department, agency
or other entity to which particular recommendations
are directed and request a response within 180 days of

1 the recommendation, and given the report that we have
2 had that our report on research involving human
3 biological materials has not generated any apparent
4 response or action;

5 I move that we request that the Department of
6 Health and Human Services, the Department of Energy,
7 the Department of Defense, the Department of Veterans
8 Affairs, the National Aeronautics and Space
9 Administration, the Department of -- excuse me. The --
10 -- I have lost my list for a second -- the National
11 Science Foundation respond to our report and
12 recommendations.

13 And I looked through the report -- that is
14 the end of the motion. If I may offer a comment on
15 it.

16 Some of our recommendations, of course, are
17 addressed particularly to IRBs and it was encouraging
18 to hear from our Executive Director that he has had
19 responses from a number of IRBs indicating how helpful
20 the report has been and they are taking steps to
21 implement it in their local institutions.

22 It seemed to me, however, that the thrust of
23 what we were doing vis-a-vis the federal regulations
24 was to request a clarification from OPRR and the other
25 federal agencies that this -- that these

1 interpretations of the obligations under the
2 regulations were consistent with our conclusions.

3 There is also, of course, the recommendation
4 number 23 urging that medical privacy laws under state
5 and federal legislation and regulations seek to
6 protect patient confidentiality in a way that will
7 insure appropriate access to biological materials and
8 have them treated in a way which is comparable to the
9 development of protection for other medical records.

10 It seemed to me that with the current process
11 which the Department of Health and Human Services is
12 now engaged around its own set of privacy protection
13 rules, this is a particularly appropriate time and if
14 there is going to be recommendations for further
15 legislation in response to that that we would ask in
16 particular that the federal position, whether
17 spearheaded by the Department of Health and Human
18 Services or by the President's Science and Technology
19 Council, respond to that recommendation as well.

20 DR. SHAPIRO: Thank you and it seems like an
21 entirely appropriate thing for us to be doing at this
22 stage.

23 Is there any objection to proceeding in that
24 fashion?

25 If not, we will do so. Thank you very much

1 for raising the issue in that fashion.

2 Okay. Let's now return to our agenda, which
3 deals now -- we will turn -- I think, Ruth, we want to
4 turn first to chapter 4 but let me turn the chair over
5 to you for now.

6 ETHICAL ISSUES IN INTERNATIONAL

7 RESEARCH (Continued)

8 DISCUSSION WITH COMMISSIONERS

9 RUTH MACKLIN, Ph.D., ALICE PAGE, J.D., M.P.H.

10 OBLIGATIONS TO SUBJECTS, COMMUNITIES, AND

11 COUNTRIES IN WHICH RESEARCH IS CONDUCTED

12 (DRAFT OF CHAPTER 4)

13 DR. MACKLIN: Okay. Chapter 4 is at tab --
14 it is hard to remember what these chapters are -- tab
15 2C. And, again, I will just remind you of what I said
16 before.

17 It is only 12 pages here and let me indicate
18 what is coming.

19 Alice Page has been working very hard and
20 very successfully on a long paper that excerpts of
21 which will become part of this.

22 That is, remember at the last meeting we
23 heard a variety of testimonies about prior agreements,
24 what agreements have been forged with WHO, what its
25 practices are in this regard, and Alice has been using

1 those presentations and additional documents that we
2 have received from the presenters in addition to her
3 having conducted a wealth of research.

4 So the way this chapter will be fleshed out
5 in addition to these 12 pages will be largely, if not
6 entirely, taken from that paper. It is not quite
7 ready yet so we did not want to put it into the
8 chapter or the briefing book in an unfinished form.

9 What you do have, though, are our -- well,
10 tentative subject to your modifications and approval,
11 some recommendations with justification.

12 The way we thought it might be most useful to
13 discuss this and the next -- the other chapter, which
14 precedes it in the order -- is to pose the following
15 questions:

16 What, if anything, is missing? Now with the
17 understanding that we have the part -- Alice's part
18 that we know is missing that I have now just indicated
19 will be part of this chapter.

20 What -- from the factual information provided
21 and the justifications for the recommendations, what
22 is missing that ought to be in here?

23 What is in here that is either superfluous,
24 gratuitous or in some way ought not be in here?

25 And what suggestions do you have for

1 additions, modifications, alterations or possibly
2 violent disagreement with what is here?

3 So those -- that is the set of questions that
4 we would like you to address in the discussion of this
5 chapter.

6 DR. SHAPIRO: Okay. Now just for point of
7 clarification before I turn to members of the
8 commission, you are -- those questions apply to any
9 and all material in the chapter?

10 DR. MACKLIN: Yes.

11 DR. SHAPIRO: Okay. Thank you very much.
12 Alta, and then Alex.

13 PROF. CHARO: I am going to take up your
14 offer with regard to the first category, which is
15 things that might be added that are not yet present.

16 Let me just kind of go through my list very
17 quickly here because it is just reflected on my notes.

18 In the discussion about obligations once a
19 therapy has been shown -- once an investigational drug
20 or intervention is shown to work was very helpful but
21 there was never a point at which one contemplated that
22 it might not work and that there might be obligations
23 to populations when a study has been shown -- has
24 shown something is noneffective -- ineffective. And
25 that was something that I thought could be added.

1 When it came to obligations with regard to --
2 let's see, it is on page 6 here -- whether or not
3 there is an obligation to continue to provide staffing
4 and equipment and such, I did want to know that at
5 least in my very limited experience working in
6 resource poor countries, often it is difficult to
7 maintain relationships with the suppliers for parts
8 and equipment and drug supplies. And even just
9 leaving *in situ* some kind of ties or facilitation of
10 ties to those suppliers might help.

11 DR. MACKLIN: Excuse me. Can I just ask a --

12 PROF. CHARO: Sure.

13 DR. MACKLIN: Are you saying that we should
14 acknowledge the point that it is difficult to maintain
15 ties and then what is the positive -- the
16 recommendation then?

17 PROF. CHARO: That it might be possible to
18 help facilitate some ongoing relationship with the
19 suppliers. Often the sponsoring researchers are the
20 ones who are providing a fair amount of equipment and
21 are bringing it in with them. They have their own
22 independent relationships with suppliers, including
23 things as simple as spare parts.

24 And to leave in place some kind of
25 relationship might make it possible for the host

1 country investigators to -- and clinical physicians to
2 take fullest possible advantage of what is left in
3 place.

4 More globally, I found as I was going through
5 the chapter that I began to mentally test the
6 discussion and the recommendations against the
7 situation domestically in the United States and
8 realized I would have to go through kind of point by
9 point and try to identify where these debates do or do
10 not mirror the domestic debates and where the
11 recommendations are proposing obligations that do not
12 necessarily apply when we have rules here in the
13 United States. And if it were not too burdensome
14 to ask that you go back through it and highlight those
15 very factors.

16 So where the debates are mirrored but the
17 recommendations differ from the domestic policy, it
18 would be valuable to explain why.

19 And I think that one can on occasion say that
20 the obligations should be different and it leads me to
21 the last thing I was going to mention.

22 Although this chapter is discussing
23 simultaneously research that is financed by the
24 Federal Government through grants and also private
25 sector research performed by those who are subject to

1 federal regulations for other reasons, it did seem to
2 me that at least when you are talking about federally
3 financed research that there is an argument to be made
4 that there is an enhanced obligation to human
5 subjects.

6 It is an argument. I am not saying it is
7 true. But an enhanced obligation because it is
8 particularly egregious to see governments abuse
9 citizens, whether of their own countries or others,
10 and it is one of the reasons why some of the classic
11 horror stories that we recite are so horrible. It is
12 that it is not individuals who fell down on the job.
13 It is whole governmental institutions that are devoted
14 to a certain level of responsibility that fell down on
15 the job.

16 And to that extent it may provide a
17 justification for some recommendations where there is
18 an enhanced obligation to provide, for example,
19 ongoing services, wrap around care, et cetera, that
20 might not be present in all circumstances, even
21 domestically.

22 And that kind of concludes the stuff that I
23 thought was missing, not missing so much as could be
24 valuably added.

25 By way of closing I will also note that I

1 assume that there is going to be perhaps some further
2 discussion about the possibility of trying to be more
3 specific on the notion of "reasonably available" since
4 after the rehearsal of the difficulties with it we
5 wind up using the same language in our recommendation.

6
7 I am hoping we will have an opportunity here
8 to see if we can possibly come up with anything more
9 specific than the very language that people are still
10 debating.

11 DR. SHAPIRO: Thank you.

12 Let me suggest the mode of operating here
13 this afternoon because I think a lot of us have some
14 issues.

15 Why don't we as we go around talking about
16 it, why doesn't each person pick out to begin with
17 their first one or two things they think are most
18 important, and then we will come back around --

19 PROF. CHARO: Sorry.

20 DR. SHAPIRO: -- with all due respect to
21 Alta, and then we will come back around and there will
22 be plenty of time for everybody to participate.

23 Alex?

24 PROF. CAPRON: Well, taking that advice I
25 want to start by thanking Alice and Ruth. The whole

1 mode of proceeding on this report seems to me, given
2 the difficulty of the subject, to offer us the best
3 chance of coming up with something good by forcing us
4 to look at what a chapter might look like earlier in
5 the process than we have some other times where we
6 have had these very long discussions and it has been
7 months or years before we have had things on paper.

8 This has been very helpful.

9 As to the present draft what that did to me,
10 for me, was to crystallize the central problem and
11 following Harold's suggestion I want to just raise one
12 central problem. I cannot tell what we are doing here
13 as an ethical exercise.

14 Are we talking about something which we
15 believe is ethically obligatory or are we talking
16 about a set of aspirations for individuals who want to
17 behave in a virtuous fashion?

18 The reason I have -- it reads as though it is
19 the former as though these are ethical conclusions
20 that are what ought to happen.

21 The difficulty I have with that, and it is
22 partly to follow along Alta's strategy of saying what
23 is different about this situation than if this were
24 research occurring in the United States is that after
25 the first recommendation, which has to do with

1 disclosing what is up to people, the general sense is
2 you have to do all these things sort of regardless of
3 what you agreed.

4 That is to say -- put it a different way --
5 that an agreement that did not promise to provide
6 reasonable after care and do all these different kinds
7 of things where the only issues that we are grappling
8 with is just to how many people. Is it to the entire
9 continent? To a country? To a community? To the
10 individuals who are in the research project?

11 I do not know where that comes from in the
12 end. In other words, the statement that it would --
13 is this a statement that it would be unethical for a
14 researcher -- with full disclosure of what is up -- to
15 come in and say:

16 "I am going to do a research project in which
17 I am looking at X. At the end of that research
18 project I hope I have learned something. This is not
19 research which is directly intended to benefit you.
20 You might get some benefit from it but I am not going
21 to promise you anything when I am done. That is the
22 way I behave at home. I recruit a bunch of subjects.
23 I do some research. I do not have any further
24 obligation to them unless I have injured them in the
25 process. I may have some, but even there I can agree

1 with them that I am not going to provide them, that
2 they are on their own, whatever health care they are
3 entitled to under insurance or government programs or
4 whatever, that is it. I am permitted to do that and
5 that is what I am going to do here."

6 We seem to say that once you cross
7 international boundaries and do that it would be wrong
8 to have such an agreement, that the sponsor should not
9 do it, the IRB should not allow it. I want to know
10 from where we get that.

11 Is it the notion that people are in such a
12 constrained situation that their own willingness to
13 agree to such terms is unconscionable, that we
14 therefore should say that they have to be protected
15 from their own impulse to do that? In other words,
16 the desire to be -- to get anything out of the
17 research projects.

18 We heard today as we have heard before that
19 just being in a research project offers so many
20 benefits to people that they find it attractive. So
21 this is -- to me this is the central issue and it lies
22 behind all the more technical questions that we have
23 to resolve as to which I will get back in the queue to
24 come on my particular comments on them but I hope that
25 we as a commission before we start talking about

1 additional things can talk about that because I still
2 feel unresolved but I am very grateful.

3 This sounds as though this is a global
4 criticism of the chapter but I am very grateful that
5 in reading through something which was written, "Alex,
6 some day in the not too distant future you will be
7 asked to sign this," that I found myself saying, "Now,
8 how would I defend to a skeptic the conclusions here
9 and would I be defending them on the basis that this
10 is really ethically obligatory because it would be
11 wrong to allow anyone to agree to other terms?"

12 DR. SHAPIRO: Ruth, you may want to respond
13 to that now or not.

14 PROF. CAPRON: And this is not -- but my
15 point, Harold, is this is not just addressed to Ruth.

16 DR. SHAPIRO: Right, I understand.

17 PROF. CAPRON: This is really to all of us.

18 DR. SHAPIRO: But I want to add something to
19 that, whether you are going to respond now or not.
20 And that is one of the -- I think it is either the
21 same or similar -- or associated notion that Alex
22 raised.

23 As I read through this chapter and thought
24 about justice as reciprocity, which is a principle
25 that comes in here, it seemed to focus on one level of

1 compensation, one type of compensation, namely
2 compensation providing care, for example. And that is
3 certainly a perfectly legitimate form of compensation
4 but I could think of many other forms of compensation.

5 And I was uncertain really in that same
6 spirit that you raised that what was so special about
7 the form of compensation that was being focused on
8 here. That is just a subset of the question that you
9 are asking.

10 And, Ruth, I do not want to ask you to
11 respond now if you want to just hear more questions
12 but I want to give you an opportunity if you
13 would like, and I do not mean to hold you --

14 DR. MACKLIN: What I would like to do is give
15 a very brief response because it is going to invite
16 more discussion and more debate and the need for more
17 clarification, so let me be very brief just so we do
18 not lose this thread and, of course, we have to come
19 back to it and provide more of a justification.

20 One -- the -- one question that Alex posed in
21 this forum is what is different about doing research
22 in a resource poor country than doing it here and if
23 the researcher says, "Why should I do it any
24 differently there from doing it here," goes back to
25 two premises.

1 The response has to go back to two premises.
2 The first is that the -- and again we find this --
3 you may want to reject this principle but it is in the
4 -- a lot of international guidelines and that is that
5 research that is conducted anywhere should have some
6 promise of eventual benefit to the people who -- on
7 whom the research is conducted. Otherwise it could be
8 a form of exploitation.

9 Now when you say, "Well, they have agreed to
10 it," I mean it -- that -- the analogy there is all you
11 would need for the ethics of research in this country
12 would be people's informed consent to be participants.

13 Whatever the risks and benefits, whatever their
14 chance of getting any other benefit, whatever else may
15 follow. But we know there are more obligations that
16 surround research, in general, than simply the
17 consent.

18 So the -- starting with at least one premise
19 that research must be related to the health needs of
20 the country and may have at least a prospect of
21 benefitting them, since these countries are so poor
22 they are never going to be able to afford it unless
23 some of these are undertaken as obligations. That is
24 one picture.

25 Now Len Glantz said last week and maybe --

1 last month and maybe we have to get some documentation
2 for this, is he cannot think of any example of
3 research that is conducted in this country where
4 the class of people who are -- from whom the research
5 subjects are drawn do not receive eventual benefit
6 from it.

7 Whether it is in the form of insurance,
8 direct insurance -- I mean, this is separate from
9 people's access to health care in a way but whether it
10 is from private insurance, public insurance, Medicaid
11 or Medicare, this country is wealthy enough, there are
12 insurance schemes in place, and even though there are
13 different levels and layers of access to different
14 kinds of treatment by and large there is not an entire
15 class of people who are experimental subjects who
16 never receive -- as a class of people who never
17 receive any of the benefits and could never possibly
18 either afford them or have them provided by the
19 government or by insurers.

20 Now that is exactly the difference with these
21 other countries because the entire population except
22 for the very wealthy cannot afford it, there is no
23 insurance, there are -- they use the public health
24 system and the public health system in those countries
25 cannot afford the products that are the ones that are

1 being tested.

2 So one has to, I suppose -- and maybe we need
3 more of this -- specify what are the differences
4 between doing research in a wealthy country involving
5 the population where there is access to health care,
6 although it is far from perfect, and the differences
7 in those countries where there is practically no
8 access to any of these products?

9 DR. SHAPIRO: Okay. There are a lot of
10 people that want to speak but I am going to even go
11 out of order since Eric seems so desperately anxious
12 to ask a question.

13 DR. CASSELL: Anxious. Anxiety, right.

14 DR. SHAPIRO: Anxiety. I am working as a
15 physician here now.

16 DR. CASSELL: Ruth, that is a good argument
17 that people should consider when they come to making
18 the rules for their country and agreeing to things
19 with the sponsor but it does not address Alex's
20 question, and that question is more central. What are
21 we doing?

22 Let's suppose that we took recommendations.
23 We now say, "If you do research this is the way you
24 must do it." In which case we are back to a kind of
25 understanding that would neglect what we heard this

1 morning. For example, the very fact that we are
2 talking about the researchers and sponsors leaves
3 somebody out.

4 We have already heard this morning and we
5 already began to know last night if we had not known
6 before that there is always the host involved and the
7 host may be neither the researcher nor the sponsor,
8 and that the host has a say in these matters.

9 Now have recommendations -- that is what we
10 are -- I mean, we have recommendations about it.
11 There are things we want the host to pay attention to
12 that this country has to offer and so forth.

13 So I think we have to answer Alex's first
14 question first before we get into the issues of, well,
15 what is addressed in that recommendation, which I
16 happen to disagree with but that is not the point.
17 The point is the first thing.

18 DR. SHAPIRO: Okay. Bernie?

19 Eric, do you want to put your -- thank you.

20 You are next, Jim.

21 DR. LO: To follow up on Alex's question,
22 which I think really is an important point, I think we
23 are talking about different sorts of things that
24 researchers and sponsors and hosts might owe the
25 subjects. On the one hand we are talking about

1 clinical care that is not otherwise available and you
2 have to provide because otherwise it is kind of
3 coercive to offer it only in a research context and
4 then to cut it off.

5 It seems to me that could very well be
6 different than what happens after the trial and down
7 the road. Will the drug become available? And I am
8 not sure we should be sweeping it all together and
9 saying because we owe something based on these
10 abstract notions of justice, you owe them this, this
11 and this in these different sort of situations.

12 I would be much happier if we sort of tried
13 to be much more specific about saying why -- what are
14 the reasons we think that in the course immediately
15 after the trial or if someone -- like the case we
16 heard about this morning of the family did not want to
17 be in the trial but could not get care for Wabu any
18 other way that you should provide even nonparticipants
19 in the community basic sort of care that everyone
20 agrees is effective.

21 That seems to me -- the reasons you would
22 want to do that are somewhat different than the
23 reasons you might want to say you have an obligation
24 to try and negotiate access to a drug if proven
25 effective.

1 Given all the things we heard last meeting
2 about lots of different ways to do it, lots of
3 uncertainties, you know, if you negotiate a discount
4 or a licensing agreement you still do not guarantee
5 access because --

6 [Phone ringing.]

7 DR. LO: Who wins the lottery this time?

8 DR. SHAPIRO: They got another number, Eric.

9 (Laughter.)

10 PROF. CAPRON: That is because he turned his
11 other one off.

12 DR. SHAPIRO: Yes, that is right.

13 DR. LO: It is for you, Eric.

14 DR. SHAPIRO: Why don't we continue, Bernie?

15 DR. LO: So I think that, you know, there is
16 -- there is some things that you could say to an
17 investigator you really have control over and it seems
18 to me there are other things having to do with the
19 long-term accessibility to the drug that you can only
20 ask them to do so much.

21 And, you know, the problem with something
22 like reasonable accessibility is that I do not know
23 what that means when it comes to an actual situation
24 and we heard a lot of things last time about different
25 strategies that seem to be a promise in different

1 clinical situations, different countries, different
2 diseases.

3 And I just think that we run the risk of
4 being very sweeping here and sort of not being
5 sensitive to the real differences in the types of
6 research in the countries we are dealing with.

7 DR. SHAPIRO: Thank you.

8 Jim?

9 DR. CHILDRESS: In some ways relating to the
10 point that Alex made and the invitation he issued to
11 address some of the conceptual normative issues at
12 work in this chapter, I like the general direction
13 very much. Let me draw a distinction -- not working
14 with the language of ideal versus obligation but
15 rather say between an obligation to someone and an
16 obligation to do X, Y or Z.

17 I think one of the things I like about this
18 chapter and the direction it is going is to say that
19 there is an obligation, a continuing one, to subjects
20 and others as a result of this principle of
21 reciprocity or justice reciprocity that operates.

22 But then much of the rest of the chapter
23 tries to go out specifying what is entailed by that
24 obligation by talking about obligations to do X, Y or
25 Z.

1 Now I guess the major question I would have
2 at that point is how we decide that something really
3 is a specific obligation to do X or Y versus what is
4 left up for negotiation and it seems to me this is the
5 kind of tension that is present in the chapter.

6 So how long the obligation extends is a
7 matter of negotiation. Whether it includes family
8 members as well as the patient/subject is a matter of
9 negotiation and I guess we need something clear if we
10 are going to use -- whether we use the ideal versus
11 obligation or obligation to versus obligation to do X,
12 Y or Z, whatever framework we use here I think we are
13 going to need to be a bit clearer about how that works
14 through and then what really is left up for
15 negotiation.

16 And so I would raise then two possible
17 matters that could be included here in terms of
18 continuing obligation just to sort of challenge us and
19 the writers for the next draft -- and by the way I
20 echo Alex's strong praise for the work that has been
21 provided.

22 Dr. Pape said this morning that there is an
23 obligation to treat diseases diagnosed during the
24 study. Now we did not come back and talk about that
25 but that was one of -- that was on his slide and it

1 was something that was stated as an obligation to do.

2 Is that the sort of thing that there is a
3 continuing obligation? Diagnosis of a particular
4 disease during the study and what are the obligations
5 of the researcher/clinicians in that regard?

6 And then -- and one that raises serious
7 questions in our own context, what is the obligation
8 to treat research related injuries that persist past
9 the study, disability, for example.

10 And so those are some of the -- two -- at
11 least two examples of something we might consider in
12 terms of the obligations that might continue after the
13 study.

14 DR. SHAPIRO: Thank you.

15 Steve?

16 MR. HOLTZMAN: I think this follows on Jim's,
17 goes to Alex's, as well as your comment, Harold, about
18 alternative forms of compensation, which is something
19 I was trying to raise this morning in the context of
20 particularly research where there is not a drug
21 article, and one of my comments on this, is this
22 specifically about drug trials or is it about research
23 per se?

24 Is it about human subjects research per se?
25 Is it about in developing nations or in all nations,

1 which goes to your question about the ability to
2 consent?

3 With Jim I would not phrase it so much are we
4 being normative obligatory versus hortatory. I would
5 say we probably could all agree with Ruth's
6 observation that it is obligatory not to be
7 exploitative. One ought not exploit people. But then
8 the question is, in any given particular case is it
9 exploitation. That is another way to phrase it.

10 And we seem to be pushed in these
11 recommendations and in the literature that has evolved
12 over the years to there having to be an intrinsic
13 relationship between the research and the outcome of
14 the research or the benefit.

15 And I think the question is does that
16 necessarily have to be the case? Is it exploitative?
17 Is it coercive to offer an alternative benefit in
18 lieu of the access, say, to the drug?

19 And I think that is what we are getting at
20 and it also, therefore, comes to the issue of the
21 accessibility -- how you are defining the class of
22 people and what does it mean for a benefit to be
23 available or a different kind of benefit, and that may
24 be distinct among how you are defining that class of
25 people.

1 Ruth's point was, well, if I define the class
2 as the U.S.A. citizens, all right, it is generally
3 available to them in some sense, right. If my study
4 is of hypertension in Blacks where most of them will,
5 as it turns out, not have access to the benefit, or if
6 it is of a drug which is a lifestyle drug where it
7 will not, in fact, be compensated for by insurance,
8 all right, the test subjects will not as a class, in
9 general, get it.

10 So I think that there is a couple of
11 different questions there about the overall conceptual
12 structure of what constitutes exploitation, which I
13 think again we all would agree that there should not
14 be exploitation.

15 DR. SHAPIRO: Ruth?

16 DR. MACKLIN: Steve's comment, and I agree
17 with the factual -- the observation of fact -- forces
18 us, again as has been raised frequently here, what are
19 the obligations in this country as well.

20 Now just because we do not do X here does not
21 mean we ought not do X. So it is not going to be an
22 argument that will -- it is not an ethical argument
23 that says we do not do X here when otherwise we might
24 argue we should be doing X here, so why should we do
25 it over there.

1 So when we see that kind of situation, and if
2 this is actually an accurate picture of the study of
3 hypertension in African Americans who then do not have
4 access to it, then that is an example.

5 I do not know if I would call it
6 exploitation. Not every wrong is exploitation, but it
7 is clearly an example of an injustice in studying
8 something, knowing that there is a remedy, if not a
9 cure at least something that could be beneficial and
10 not providing it. So it is a good example, but it may
11 do the opposite of what you are implying.

12 MR. HOLTZMAN: No, I did not mean to imply
13 the is and ought, what is here versus -- because I
14 think it drives you to ask some more fundamental
15 questions about, for example, the trade off.

16 I mean, why is it exploitation if someone
17 comes to me and says, "You are never going to have
18 access to this drug but we want you to participate in
19 this study and in exchange for that we are going to
20 build a manufacturing plant in your community that
21 will have jobs available to people."

22 Why is it that we make this intrinsic
23 relationship between the benefit and the
24 participation? And there is a -- which you do. It is
25 a guiding assumption here and Harold has raised that

1 question. All right.

2 And I think what -- and Alex's reflection is
3 the fact that we do not see that necessary connection
4 in this country. We seem to be calling for it
5 elsewhere and it really should drive you back to the
6 question is that the right connection in the first
7 place.

8 DR. SHAPIRO: Okay. A lot of people who want
9 to speak.

10 Alta?

11 PROF. CHARO: I would like to add another
12 factor that may or may not fit comfortably within a
13 discussion that calls itself ethics and that is the
14 issue of international relations.

15 The reason why research -- medical research
16 particularly with human beings, has been singled out
17 over the years as being so problematic is because
18 there is an emotional dynamic at the center of it.
19 Medical personnel are perceived as being people who
20 are caring for you and suddenly in research they are
21 not necessarily caring for you as their top priority.

22 So that a relationship that is built on a
23 trust is one that is now amenable to a sensation of
24 betrayal. All right. And if you look at the most
25 classic examples of scandals in the U.S. and I think

1 again of Tuskegee, we see the enhancement of that
2 sense of betrayal when the government is part of it
3 because, of course, the government comes and says we
4 are here to be your advocate, your protector.

5 And we have seen around the country now with
6 the scandals over police procedural problems in Philly
7 and Los Angeles and others, the difficulty that is
8 created when the people who are supposed to be your
9 protectors turn out not to be your protectors and,
10 indeed, are the source of your distress. Where do you
11 go?

12 We do not expect that every individual in the
13 world will treat us well but we do expect ideally that
14 the institutions and the professionals that are set up
15 to care for us will, in fact, respond with care.

16 So when you have this nexus of government and
17 doctors I think you create a situation that goes
18 beyond the usual rules about rational actors making
19 autonomous choices because there is an emotional
20 dynamic that cannot be escaped.

21 Now when you move it to the international
22 level I think speaking politically we have got a
23 question before us.

24 If the United States Government wants to
25 present itself to the rest of the world and, in

1 particular, to the areas of the world that are still
2 resource poor, in the kind of benign countenance with
3 which government presents itself domestically to its
4 citizens here and doctors present themselves to
5 patients here, right, if it wants to be perceived as
6 benevolent and benign it has to take on the obligation
7 to avoid creation of distress, even distress that
8 might be justified by autonomous rational choices
9 under libertarian theories because the creation of
10 that distress under whatever circumstance will feel
11 like a betrayal.

12 If you want the trust you have to accept the
13 enhanced obligation in order to avoid creating a sense
14 of betrayal.

15 We do not have to take on the task of wanting
16 to be viewed as benevolent and benign, but I think
17 that if you look across the health related programs
18 that the U.S. has embarked upon most of them really do
19 have that as their goal. Certainly some of them are
20 politically oriented towards providing assistance for
21 certain countries for reasons having nothing to do
22 with health.

23 Certainly those of us that have worked a
24 little bit with AID are familiar with unfortunate
25 examples in the past of the intertwining of the health

1 care programs with other kinds of national security
2 concerns. I am not naive.

3 But most of the programs really are created
4 by and implemented by people who are genuinely
5 committed to providing assistance from the most
6 benevolent of positions. And I think that very
7 decision creates an enhanced obligation that you may
8 not have realized you take upon yourself because you
9 are inviting trust, and people then are at risk of
10 feeling betrayed.

11 I do not know that that is an ethics
12 argument, Alex, but it certainly is part of the reason
13 why I have been more cautious in this area than I am
14 in others and why I think that, in fact, in the
15 domestic area I have been as cautious as I have in the
16 context of other reports dealing with vulnerable
17 populations.

18 DR. SHAPIRO: Thank you.

19 Rhetaugh?

20 DR. DUMAS: Alta's comments have helped me a
21 lot because I have been really torn in relation to
22 this issue and hearing that comment it makes a lot
23 more sense, the obligations, than they did previously.

24 So thank you, Alta. I will continue to think
25 about it but that makes a lot of sense to me.

1 DR. SHAPIRO: Larry?

2 DR. MIIKE: I think I will talk a little bit
3 longer than I usually do, but the question about what
4 are we trying to do in this study here. We have
5 already discussed and I think we all agree that, sure,
6 we are going to treat overseas differently than
7 domestic. Why are we sitting here otherwise?

8 But I think our most -- our difficulty is
9 going to be what do we expect out of this chapter, out
10 of the direction that we are going, and what do we
11 expect in terms of the consequences of what we then
12 propose.

13 I think as in all our other studies our
14 greatest difficulty is going to be between what I
15 would characterize as the generalists among us versus
16 the specific -- whatever. You know what I mean. The
17 very detailed people among us.

18 And I think that is going to be particularly
19 important this time around because I think that the
20 best that we can expect from reports such as our's,
21 where we can be characterized as well meaning
22 idealists, is that we set a direction for the ethical
23 principles and which way we want to go in changing the
24 ethics of the research overseas.

25 Because I think if we get too specific in

1 what we mean by some of these kinds of things we will
2 be the very ones that researchers and people in these
3 countries are going to say we are being too
4 patronizing. If we get into too much detail over what
5 we mean in any of these specific areas we are going to
6 run into the danger of being well-meaning people but
7 misguided as far as they are concerned.

8 So I think that the best thing we can hope
9 for is that we enhance the issue about the ethics in
10 terms of the patient side because the researchers can
11 fend for themselves and our charge is really from the
12 research side.

13 And I think that the best that we can do is
14 to make enough of a forceful and acceptable and
15 reasonable statement so what we suggest is a default
16 position, which is you start from this premise and if
17 you deviate from it you should have very good reasons
18 for doing that, and that would be on a case by case
19 basis.

20 Whatever we say about there is an obligation,
21 you and I well know that there is no hope that we can
22 say that that is what you have got to do or else there
23 is no such research going on.

24 So I think it is more a question of if the
25 force of our argument moves people along certain

1 directions, but then we still have to do that
2 balancing act because I think if we get too specific
3 in too many of these areas then we just face the
4 danger of doing exactly what people do not want us to
5 do and which other people have been criticized for.

6 DR. SHAPIRO: Thank you.

7 Arturo?

8 DR. BRITO: I had several things to say but I
9 am going to just focus on one point here. The general
10 sense I had on this, and I want to thank Alex for
11 summarizing it so eloquently the way he did, some of
12 the feelings I had reading this, but one of the
13 general sense I had while reading this, is it is a
14 little bit on the paternalistic bordering on
15 patronizing.

16 And -- because a true collaborative process
17 involves at least two parties and here we are talking
18 about a developing country and an industrialized
19 country collaborating on a research project and if at
20 the very onset it is disclosed what it is that will or
21 will not be provided, which may mean absolutely
22 nothing after the research is done, should not that be
23 assuming that there is no human rights violations or
24 international law violations. Should not that be up
25 to the host country and eventually the individuals

1 from the host country to make that decision?

2 So we have to be very careful regardless what
3 it is we decide on the specifics, is not to be -- not
4 to write this in a way that is a little bit on the
5 paternalistic side because I think we would get just
6 as much criticism from that end.

7 DR. SHAPIRO: Ruth?

8 DR. MACKLIN: Yes. It is dismaying to be
9 called paternalistic but let --

10 (Laughter.)

11 DR. MACKLIN: -- let me say this: The
12 problem with preparing a report is that you have to
13 start somewhere and this chapter comes before the next
14 chapter. The next chapter is going to deal with the
15 collaborative process and you are perfectly right -- I
16 mean, I do not question for a moment the importance of
17 a negotiation and a process by which you have equal
18 full collaborators.

19 What this is meant to -- what this chapter
20 and the question of obligations is meant to address is
21 what do the rich owe the poor. Okay. Now some people
22 say they do not owe them anything. That is the way
23 the world is and it is unfair. Okay. We are trying
24 to make an ethical argument.

25 Maybe we are not succeeding yet, Alex.

1 But we are trying to make an ethical argument
2 that there is an obligation of some sort that the rich
3 owe the poor.

4 Now notice there is no consequence in here.
5 We are saying, what do people owe other people. We
6 are not yet saying or have not said in here, at least,
7 that if you are not prepared to honor these
8 obligations then we, the rich people, will not do the
9 research in your country or that the research ought
10 not be done.

11 So far it is silent on that and I think we
12 have to await the remainder of this chapter where we
13 talk about the negotiation process and what should go
14 on.

15 But I think your point, if this appears
16 paternalistic now, we need to insert a caveat at some
17 point that says that the actual negotiations between
18 the collaborating partners, and what we want to urge
19 is a full collaboration, is something that comes in
20 the next chapter.

21 Now who is doing this collaboration? Quite
22 clearly the Minsters of Health might have something to
23 do with it and as we heard this morning in Dr. Pape's
24 eloquent discussion of how IRBs should be working
25 together and there should not be the imperialism.

1 Maybe it is not only paternalism but also
2 imperialism of the U.S. IRB or really the U.S. system
3 saying here is what you have got to stick in the
4 consent form and here is what you have to do.

5 So we hope to a -- we not only hope to, we
6 intend to address the process of collaboration and the
7 equality of the partners in the next chapter but I
8 take your point, if this now looks like it is saying
9 if we do not -- you are -- we are going -- this is
10 what we think we are going to do and you do not have a
11 chance of saying do the research anyway, even if we do
12 not give you anything in return, but it is well taken.

13 DR. BRITO: Harold, can I quickly respond?
14 It is not a response to that. I just -- I do not want
15 to seem like an ingrate to Ruth for the amount of work
16 she has put in and I think it is a great -- it is a
17 great help to us to do this all ahead of time so we
18 can look at these issues. And I did not mean to imply
19 that it all seemed paternalistic.

20 I guess the way I want to say it is that the
21 disclosure -- maybe there can be more focus on the
22 importance of disclosure ahead of time before the
23 research projects began is a better way to put it.

24 Thank you.

25 DR. SHAPIRO: Let me just say I have a number

1 of others who want to speak, Trish, Bernie, Steve and
2 Rhetaugh, all on this, but I think what I have to say
3 now is directly relevant to this.

4 One of the issues, Ruth, I kept coming back
5 to in my mind as I went through the material here is
6 trying to decide in my own mind whether the obligation
7 I was concerned with arose out of the feeling of, as
8 you said a moment ago, what do the rich owe the poor.

9
10 And to me that is a critically important
11 issue, but a separate issue in my own mind because if
12 the rich owe the poor anything there is all kinds of
13 ways to discharge that obligation and we have to be
14 clear what it is we are trying to solve here. That is
15 a general problem of the international distribution of
16 income. Is that a problem we are trying to solve? Or
17 what is it that we are trying to solve? And it just -
18 - it is maybe my own deficiency. I was not able to
19 really straighten that clearly out in my mind.

20 And then there is -- Alta has raised the
21 issue of there might be foreign policy concerns in
22 here, that is that we might want to project an image
23 abroad of some kind of benevolence or something. I
24 have forgotten.

25 Excuse me, I have forgotten how you described

1 it, Alta.

2 And that is a perfectly legitimate objective,
3 too, but it is yet a separate objective. And I think
4 one of the tricky things here is to keep these parsed
5 out in a way that enables one to know clearly in any
6 particular situation whether you are meeting an
7 objective that is intrinsic in the research project
8 itself, for example, or you are trying to make up for
9 some international distribution problems you do not
10 like, or if you are trying to project a foreign policy
11 stance, all of which are legitimate things to worry
12 about.

13 But the question will be whether we will want
14 to load them on to this particular subject or not, and
15 I think that is something that is an open issue.

16 But anyway, Trish?

17 PROF. BACKLAR: I was struck by a comment
18 that you -- a section on page 5, lines 25 to 27, which
19 actually answer what Arturo is requesting. You say
20 here, in a departure from the way research in
21 developing countries has been carried out in the past,
22 a true partnership should be forged rather than
23 approach in which the industrialized country's
24 sponsors dictate the terms of the research.

25 I feel almost as if you took that and put

1 that right very close to the beginning you would start
2 the whole way of looking at this in which when one is
3 looking at one's obligations in a kind of procedural
4 fashion that would give you some help to get it out in
5 a way where you are respecting those host countries
6 and understanding the differences between what we have
7 in this country and what we owe elsewhere.

8 DR. SHAPIRO: Thank you.

9 Bernie?

10 DR. LO: I want to try and get back to a
11 question you raised, Harold, about what is it we are
12 trying to solve. It gets back to Alex's question and
13 Jim's question about what is the grounds for these
14 obligations.

15 And it seems to me we have heard things from
16 a number of the physician researchers that really went
17 back to this inability to sort out their role as
18 researcher from their role as physician. And I think
19 we hear over and over again that I would have a lot of
20 trouble doing a study where they were not going to get
21 the contraception for 15 years, they were not going to
22 get the malaria drug for 15 years.

23 And it seems to me that what is different
24 here from the domestic situation is the relationship
25 between the researcher and the subject. We heard that

1 many of these researchers feel that if they are truly
2 responsible they do a lot of basic care for their
3 subjects. They are the only source of health care.
4 They feel they must provide it otherwise they are sort
5 of being coercive.

6 And it seems to me they are feeling -- one of
7 the things I think they are trying to say is that they
8 feel if they have done research, proved it is
9 effective, and then sort of have to pack up and move
10 out and have no way of sort of continuing what they
11 have done, they feel personally that somehow the
12 relationship they formed with their subjects, which is
13 really not quite the scientist-participant
14 relationship, it is more of a doctor-patient
15 relationship, that personal interaction that in their
16 minds at least has created some obligation, whether
17 that is an ethically defensible position or it is just
18 an emotional reaction, I think we need to sort out,
19 but it seems to me that would take us -- steer us away
20 from the income redistribution problems, the sort of
21 political image the country is trying to project,
22 which are all issues that are not just research
23 issues. They are really issues that are much, much
24 broader.

25 I think another thing I would suggest is that

1 in trying to sort this out we try and think of case
2 examples. I mean, I take Larry's point that, you
3 know, we cannot get too specific because we would be
4 wrong and people will understandably accuse us of sort
5 of, you know, trying to impose things when they do not
6 fit.

7 But these -- this chapter is marvelously
8 clear and logical but it seems to me it is lacking
9 sort of the cases, the examples that generate for
10 these researchers, and I would bet for a lot of the
11 subjects and a lot of the people living in a country,
12 a sense of betrayal or lack of trust.

13 You know, we were in the study, we were not
14 even told it was effective, we found out from reading
15 the New York Times it was effective, and now 15 years
16 later we still do not have the drug, and they are
17 asking us to be in other studies. And that somehow
18 feels like betrayal or mistrust or something.

19 But I think if we put some examples in we
20 might be able to better capture what it is that sort
21 of generates the sense of obligation and then we can
22 analyze whether it is ethically something we are
23 willing to hang our hats on.

24 DR. SHAPIRO: Thank you.

25 Steve?

1 MR. HOLTZMAN: If we had written a
2 recommendation that said -- let me find some language
3 -- sponsors and researchers have an obligation to get
4 informed consent from participants, I think we would
5 be very clear we would mean it is obligatory that
6 there be informed consent. Otherwise this research
7 ought not take place, there should not be government
8 sponsorship of it, et cetera, et cetera.

9 So I took this chapter and the
10 recommendations as putting in front of us parameters
11 of that form and the suggestion that international
12 research ought not be undertaken or sponsored by the
13 U.S. government unless the following conditions are
14 met.

15 All right. In other words, justice as
16 reciprocity or whatever you want to call it demands of
17 research the following. Otherwise it ought not be
18 sponsored, and that kind of logic and reasoning might
19 be of the form that Alta introduced.

20 To the extent that that is the way we are
21 going to read it, then in terms of Arturo's point
22 about the negotiation, this defines the frame in which
23 the negotiation takes place. These are not up for
24 grabs. The specific form or for how long you get the
25 drug, et cetera, et cetera. All right.

1 So I think that comes back to Alex's point at
2 the beginning, is we need to decide is that what we
3 mean. Are we putting the bar here? All right. And
4 then we can get into other discussions about whether
5 it is for the private sector as well.

6 I think we are going to have to be very clear
7 then on what kind of human subject research. Is it
8 specifically only drug trials? Are we talking about -
9 - you said rich to the poor. I did not see here where
10 it said to developing nations. You know, is it
11 equally applicable if we are talking about Germany?

12 We need to get into the cases because a lot
13 of this can make sense if the paradigm case in mind is
14 something like contraception or AIDS drugs in a Third
15 World country.

16 But if you are talking about things which are
17 not as dire as that where the risk is very, very low,
18 and do we really have the same examples, same thoughts
19 in mind, or were those alternative benefits that can
20 arise. There is a great danger in generalizing from
21 the most dramatic cases.

22 So I am not saying it is wrong. I think it
23 has been very well done and crystallizing that in
24 front of us, at least for me, is to start to think
25 through the cases.

1 DR. SHAPIRO: Yes?

2 DR. MACKLIN: Let me just ask --

3 DR. SHAPIRO: Ruth?

4 DR. MACKLIN: -- about that. It is
5 interesting that the researchers who have come before
6 us -- I mean, we could be talking about epidemiologic
7 research and then there is not any product or there is
8 not anything else to bring.

9 We have to bring bed nets back into this,
10 okay, because that is something, you know -- but what
11 we have heard, I mean the researchers who have
12 presented to us at all of the meetings have been
13 talking about AIDS, malaria and tuberculosis. Now
14 those fall into the examples you just gave. One might
15 -- arguably even more dire than contraceptives.

16 So these are the examples we are hearing and
17 this is a lot of the research that is being conducted.

18 I mean, they are not doing research on cures for the
19 common cold in Malawi.

20 MR. HOLTZMAN: Right. And so the
21 fundamental question I have about this report, which I
22 asked from the beginning, is it about international
23 research, that is any and all research conducted on
24 human subjects sponsored by someone who is labeled
25 U.S. of any nature, or is it about such drugs in

1 developing countries, and specifically by the
2 government.

3 Because if it is the former, all right, what
4 we have heard about represents, I would estimate, less
5 than one percent of the research that goes on in
6 international research in human subjects. Why are we
7 focused on it? What is our report about?

8 DR. MACKLIN: What is the rest of it? I
9 mean, I do not have a grasp empirically or factually
10 on -- what was the percentage you just gave?

11 MR. HOLTZMAN: What is the United States
12 Government budget for clinical trials and compare it
13 to the pharmaceutical industry's clinical trial
14 budget? It is minuscule. I mean, I have asked this
15 question a number of times. How many human subjects
16 research -- people are undergoing international -- in
17 an international context research, all right, by the
18 government, by the private sector, what is the
19 proportionality? All right. What are we talking
20 about? What is the subject of this report?

21 DR. MACKLIN: Let me just ask again. I am
22 not sure -- I mean, you have said two different
23 things. One is the percentage -- the budget and the
24 percentage of the budget that is the government or
25 industry. The other is the type of research. I mean,

1 I do not know.

2 Maybe we will get this information but I have
3 no idea what -- what we have heard and what the
4 researchers who -- the people who have come and whom
5 we invited have spoken about is research in these
6 areas of serious problems -- health burdens in theses
7 countries. I really do not know what other research
8 U.S. researchers, be it drug company or NIH, are doing
9 in the other countries.

10 And the conclusions about what you owe people
11 afterwards -- I mean, quite clearly if it is
12 epidemiologic research then there is no product in the
13 lucid sense of product. If it is something else like
14 developing interventions for safer sex, well then
15 there is not a physical product but it is an outcome
16 that presumably should be able to be sustained.

17 DR. SHAPIRO: Rhetaugh?

18 PROF. CAPRON: Wait, wait. Can we get an
19 answer?

20 DR. SHAPIRO: I think that is what Rhetaugh
21 wants to speak to.

22 PROF. CAPRON: Oh.

23 DR. DUMAS: I am not going to comment on the
24 previous question and I did not know whether Alta
25 wanted to answer that question or not about the

1 proportion of studies.

2 PROF. CHARO: I will talk later. I am happy
3 to wait my turn. It is no problem.

4 DR. DUMAS: Okay. Well, my concern is --
5 and I think it piggy backs on what Harold said earlier
6 -- that inherent in this report and in our discussions
7 are a number of very critical issues that we all care
8 a great deal about. International relations, the
9 inequitable distribution of wealth and resources, et
10 cetera, et cetera.

11 The question in my mind is do we expect the
12 research enterprise to address these issues in the
13 international projects, and I think it is unfair to
14 expect that these issues can be successfully dealt
15 with through the research enterprise, and I would
16 think that there is a place for information, knowledge
17 and sensitivity to all of these issues but whether or
18 not the investigators, the collaborators are to be
19 expected to deal in great detail with these issues is
20 something that continues to worry me.

21 DR. SHAPIRO: Okay.

22 Jim?

23 DR. CHILDRESS: I think Steve is right to
24 press the question and I do not think I have an answer
25 to it but I really do think as a group we will have to

1 resolve it in terms basically of the responsible
2 agents we are talking about here in the context of
3 international research.

4 But on his point about obligation -- how did
5 you state it? Obligation to get informed consent from
6 subjects or not enroll them or not go forward with the
7 trial. At most even in our own society that is a
8 prima facia obligation because there are lots of ways
9 which we specify it, we get third party permission,
10 when we cannot get consent, we have emergency
11 research, et cetera. So we can always specify it. We
12 also balance it against other kinds of things.

13 So even if we were to set it out as a prima
14 facia obligation in terms of reciprocity, and there
15 are ways in which we would have to work on it a lot
16 more, and that is why I think the starting point here
17 is really great in terms of the notion of reciprocity.

18 But because we start with reciprocity I guess
19 I was surprised when Ruth said what we are really
20 concerned with, in effect, was obligation of the rich
21 to the poor. I do not think so in the context of
22 reciprocity in research as I think this chapter
23 already nicely specifies that in terms of this
24 particular kind of relationship.

25 And then what we also have to do there is to

1 take into account the particular contours of that
2 relationship, as Bernie has suggested, because there
3 are certain features of it in particular context that
4 may help us understand what reciprocity involves a lot
5 more than simply thinking about it as an abstract
6 principle.

7 DR. SHAPIRO: I want to say something but I
8 will not.

9 Alta, you are next.

10 PROF. CHARO: I guess this continues the
11 reaction to Steve's comments. You know I appreciate
12 the fact that speaking as a legal matter there is a
13 distinction between the pharmaceutical companies as
14 private sector companies and the U.S. Government, but
15 I think the distinction is not as strong in reality as
16 it might seem according to certain rules and I do not
17 know that I would want to divide the world that
18 cleanly for two reasons.

19 One, and I will leave -- I mean, certainly
20 Dr. Pape and Dr. Malenga and others can speak to this
21 more authoritatively, I suspect many people who are
22 the subjects of research do not make these
23 distinctions.

24 So to the extent that a sense of betrayal is
25 considered to be a harm that we take into account, I

1 do not think it really matters who is the sponsor.

2 The second is that realistically when it
3 comes to major industries there is a very close
4 working relationship with the government. The
5 pharmaceutical industry ran into difficulties with the
6 South African Government over questions about property
7 rights with regard to AZT. It was not worked out
8 privately.

9 We found ourselves with Vice President Gore
10 leading up the U.S. delegation to negotiate among
11 parties looking for some kind of solution. In other
12 words, the government became a collaborator in the
13 form of mediation looking for solutions and there was
14 both a carrot and a bit of a stick going on there.

15 So I think that we have to treat large scale
16 entities that go forth into the world with this degree
17 of close partnership with the U.S. Government as being
18 necessarily subject to the same kinds of concerns we
19 have for formally government sponsored research.

20 I think the problems that are created when
21 people feel themselves to have been misused, whether
22 or not they technically meet the definition of having
23 been exploited, will be the same and we need to decide
24 really whether or not we care about those problems
25 enough to want to make the burden on the sponsoring

1 companies and countries substantial when they go in to
2 do research in these areas.

3 DR. SHAPIRO: Thank you.

4 Carol?

5 DR. GREIDER: I wanted to ask Steve a
6 question, which I think there was something that was
7 not quite resolved in the exchange that went on here.

8 What I heard you saying to Ruth is that in
9 your opinion the kinds of trials that we have been
10 discussing here is only a very small percentage of the
11 kinds of international research that goes on and we
12 should decide at the outset what we are going to cover
13 in this report before we start writing it, and I
14 absolutely agree with that.

15 And then I think I heard you say that there
16 is a lot of other research that is not covered here.
17 Ruth's response was she has only heard from those
18 people that we have invited but if you only invite
19 certain people you only hear from them.

20 So I want to give you a chance to follow up
21 because I would like to know what you know and how we
22 might get that information so that we can decide what
23 we are going to cover in the report.

24 MR. HOLTZMAN: So let me start actually --
25 if, Alta, you thought I was saying there should be a

1 distinction between private sector versus nonprivate
2 sector, I was not.

3 I mean, I have taken as one of the premises
4 of our operation, because I have been hearing it from
5 the beginning of this commission, that we feel that
6 there is an issue that the Common Rule and ethical
7 obligations seem to differentially apply to who is the
8 sponsor. Whereas there is still a human being who is
9 the subject and there is something fundamentally wrong
10 about that.

11 One of the things that struck me as we
12 embarked upon looking at the question of international
13 research, all right, is that my hunch was that the
14 overwhelming number of subjects exposed to human
15 subjects research in an international context with
16 U.S. sponsorship, all right, that the overwhelming
17 number of those will be as a result of pharmaceutical
18 sponsorship companies so that this was a perfect
19 context to look at that question.

20 Or that we -- you could not look at this
21 question -- I think Alta made -- it was the elephant
22 with its nose under the tent or I have got the wrong -
23 - camel with the nose or whatever. The elephant in
24 the room that no one is noticing.

25 So, Ruth, my point about budgets, which is a

1 way of looking at number of subjects, is just go look
2 at the clinical budgets of the pharmaceutical
3 industry, go look at the clinical budget of the NIH
4 and the entire Federal Government, ask how much is
5 spent on clinical studies off shore.

6 And my gut says -- and I have asked staff for
7 these numbers -- it pales -- the government's number
8 of subjects that are being exposed to human subjects
9 research outside the U.S. with U.S. sponsorship by the
10 government pales in insignificance.

11 So what is our report about? Is it
12 international research on human subjects or is it
13 about government sponsored trials of AIDS and TB drugs
14 in Third World countries?

15 You are going to draw very, very different
16 conclusions because your paradigm cases are going to
17 be very different. We are writing recommendations
18 with the latter in mind and yet they do not say with
19 respect to developing nations where it is a life-
20 saving drug, et cetera, et cetera, we are saying any
21 research sponsor has an obligation that can provide
22 the benefit free of charge to the participants -- to
23 the subjects if they can benefit from it.

24 That really says that if I sponsor a trial of
25 a cholesterol lowering drug in Germany, all right, I

1 have to participate -- I have to make sure that I
2 provide the intervention free of charge to the
3 participating subjects if they can benefit from it.

4 Just we need to be clear what we are writing
5 about.

6 DR. SHAPIRO: I will have something to say
7 about that in moment and at least give you my opinion
8 about that but let me turn first to Alex and then
9 Diane, and then I have a few comments to make, and
10 then I want to turn back to Ruth and see where she
11 would like to direct our attention herself, but first,
12 Alex.

13 PROF. CAPRON: I think Steve has been right
14 to emphasize this. I found myself thinking as I was
15 reading these chapters that we needed in the
16 introduction to say that we had begun this examination
17 broadly concerned about difficulties that the U.S.
18 regulatory structure poses for people doing research
19 abroad when they have U.S. affiliations which require
20 them to obey the U.S. regulations because of those
21 affiliations.

22 And that we had then decided to focus in on
23 the subset of issues that arise most acutely in
24 situations in which the research is taking place in
25 resource poor nations.

1 And that is what I had assumed that we had
2 moved to, Steve. Not because in percentage terms it
3 was the most significant, and if we do not
4 differentiate government sponsored and privately
5 sponsored it still is a significant chunk.

6 It is much more than the one percent you talk
7 about even if a lot of research is done with subjects
8 in Western Europe by U.S. based companies or
9 international/multinational companies that have a
10 U.S. aspect to them.

11 It seems to me, Ruth, though, that what I
12 would conclude if I were in your situation having
13 heard this discussion is that we are inclined to talk
14 in terms of obligations or presumptive obligations,
15 not in terms of supererogatory duties that a virtuous
16 government or a virtuous research sponsor or a
17 virtuous researcher would follow.

18 I think that is fair, that most people who
19 have spoken up have said that. We come face to face
20 with this question of paternalism and I think what we
21 have to acknowledge is the IRB system and the Common
22 Rule are paternalistic.

23 They basically do say it is not legitimate in
24 regulation -- in research that is subject to any of
25 these forms of regulation to have certain

1 relationships in which people are asked to do things
2 which are regarded by objective observers as being too
3 risky under the circumstances where it must be somehow
4 they are either not understanding or they are under
5 some form of coercion because the rational balance
6 does not lead in that direction even if a researcher
7 would think, gee, I might learn something that would
8 be worth learning, damn the costs.

9 We have -- I have heard now two rationales
10 and they are -- they seem to me different and I would
11 -- I hope that in the next draft you can explore them.

12 One draws directly off of that and it is the
13 rationale that Alta gave and that I think you also
14 gave at one point.

15 And that is just as we say that the more
16 powerful physician/researcher should not be allowed to
17 do certain things which are, in effect, exploitative
18 of even a consenting subject, and we set certain
19 limits on that.

20 So, too, the more powerful nation, the richer
21 nation should not be allowed to exploit, and this is
22 that sense that Alta says, you know, there should be
23 some sense of benevolence in this -- and beneficence
24 in this relationship.

25 And as we carry over from the medical

1 relationship to the research relationship -- I mean,
2 there is nothing inherent that says researchers should
3 be beneficent. There is something that says that
4 physicians should be.

5 And as we have carried that over so, too, we
6 are carrying it over in the international context.
7 And I think that explanation would have to be given
8 quite fully and it would be particularly important
9 there to follow along the last comment that Alta made.

10 Why does that apply as much to companies as
11 it does to governments?

12 And here it would probably get us into some
13 of the kinds of things that Harold knows a lot about,
14 about regulated industries.

15 I mean, there used to be some notion of the
16 burden being imposed consistent with a fair return on
17 investment that a very rich company that is making a
18 lot of money off of something has a bigger obligation
19 than a company which -- where the burden you want to
20 impose will not be able to run its operation in the
21 whole way public utilities were run. A fair return on
22 their investment.

23 This is a very dicey thing when we get into
24 pharmaceutical companies and so forth because there
25 are huge arguments about whether they have a very high

1 return on investment or a reasonable one given the
2 risk that they take.

3 So this gets us into some troubled waters but
4 that would be, I think, something we might have to
5 explore.

6 The other rationale that I have heard is
7 different and I think that the comments that both
8 Harold and Bernie made are very relevant here.

9 Beginning with the notion that it is
10 unethical to conduct research which with its inherent
11 risks will not produce a concomitant benefit, we have
12 added on two further statements.

13 One is benefit to whom, benefit to the people
14 who are either in the research, or who are members of
15 the group from whom the research subjects were
16 selected. So it becomes unethical not to produce a
17 benefit to this group and the second is a benefit of
18 the particular type that the research is producing,
19 and that leads us into the real difficulty what about,
20 as you say, epidemiological research, basic research
21 and failed clinical studies. Failed in the sense that
22 they have not produced something that the sponsor can
23 use by way of product but maybe not failed as science.

24

25 If they have been well designed they have

1 shown that this intervention being tested against the
2 null hypothesis was not better than null or than
3 existing treatment.

4 And yet that is good knowledge that will
5 teach the sponsor or some other sponsor coming along
6 and using that knowledge maybe later on to get a
7 product and so we have real -- I think we have a real
8 issue in that expansion from the basic principle with
9 which we would all agree that it is unethical to
10 expose any subject to research for a project that will
11 not produce benefit, to then say that necessarily
12 follows logically the benefit to that group or to that
13 individual who was in the subject of the type -- not
14 that he got some payment, which he can use to feed his
15 family or whatever, not that the country benefitted
16 from the infrastructure that was built up, but that
17 they are going to benefit in the particular way of
18 getting access to the products of the research.

19 And I think that really requires much more
20 justification than it has now in this chapter.

21 I hope that is helpful to you.

22 DR. SHAPIRO: Ruth, did you want to say
23 something?

24 DR. MACKLIN: Yes. I think this is the point
25 to notice the following, because people made some

1 comments here about the use of the term "obligation"
2 and the distinction between being beneficent and
3 having an obligation or supererogatory or virtuous,
4 et cetera, and also whether if you fail in the
5 obligation then it means the research should not be
6 done.

7 So let's look specifically at the places
8 where obligation is stated here because the discussion
9 has this usual global quality about the chapter
10 without perhaps attention to some of the specific
11 words.

12 So the first recommendation is on page 1,
13 chapter 4 here, at line 19 and this simply is the
14 obligation to disclose. Okay.

15 PROF. CAPRON: There is no debate about that.

16

17 DR. MACKLIN: No quarrel, no deal, no
18 problem. Okay.

19 The second recommendation is on page 3 --
20 at the top of page 2 -- where, indeed, following what
21 Alex just said there is a very specific, and actually
22 Jim said it earlier, a specific obligation to do X and
23 to whom X is owed. Very specific.

24 "Researchers and sponsors have an obligation
25 to continue to provide the beneficial intervention

1 free of charge to the participating subjects if they
2 can benefit from it."

3 Now the model here -- this is where there is
4 some attempt to say something about that in the text.

5 The model here is people are sick, you are doing this
6 intervention, you actually come up with a successful
7 product even if it is randomized and some people get
8 the usual thing or maybe some even get a placebo, and
9 then the research is finished. You reach the endpoint
10 of the research and it is finished, pack up, go home,
11 take the drugs away, and leave these people still
12 sick.

13 Okay. Here the argument is there is an
14 obligation not to pack up and go home and leave these
15 sick people sick after you have provided them with a
16 beneficial intervention from which they have
17 benefitted and then go away.

18 So that is that obligation and I mean if
19 people want to argue against it and say nothing is
20 wrong with that then let's hear the argument but that
21 is what this obligation is.

22 DR. GREIDER: What is the beneficial?

23 DR. MACKLIN: The product that is being
24 studied. Okay. In other words, you are studying --

25 DR. GREIDER: You do not know if it is

1 beneficial.

2 DR. MACKLIN: No. At the end -- no, if it is
3 beneficial you do not know that until the conclusion
4 of the research. Right. A successful product. They
5 have an obligation to continue to provide the
6 beneficial intervention. I mean, this is the
7 presumption that there is some benefit.

8 PROF. CAPRON: Okay. Ruth, is this -- I
9 mean, put this way, is it the psychological starkness
10 of walking away from someone who for the last year has
11 done well on your drug?

12 DR. MACKLIN: No. It is making them worse
13 off after the research than they were in the research.

14
15 PROF. CAPRON: In the research but not before
16 the research.

17 DR. MACKLIN: That is right. Not before the
18 research.

19 PROF. CAPRON: And as between --

20 DR. MACKLIN: This draws on Ruth Faden's
21 presentation if you remember.

22 PROF. CAPRON: Right.

23 DR. MACKLIN: And which we try to use her
24 arguments here to say that the obligation is not
25 simply to make people -- it is not just the

1 psychological thing here. You make people better off
2 for a while.

3 PROF. CAPRON: Right.

4 DR. MACKLIN: Okay. And then you take away
5 what made them better. You are making them worse off
6 than they were during the research. Now maybe we have
7 to argue more what is the relevant comparison before
8 the research or during the research.

9 PROF. CAPRON: I mean, I think when we talked
10 about this before I sort of turned on its head the
11 usual statement of a Jewish ethical principle that it
12 is wrong to end even one moment of one life by direct
13 action because every moment was precious and I said
14 what if you thought here that you have said to these
15 people you have a miserable condition that is going to
16 kill you. We are able to give you another month or
17 year of life. After that is over your miserable
18 condition will kill you but we have given you -- each
19 one of those moments of that year of life we gave you
20 is infinitely precious.

21 We have given you something of infinite
22 value. What more can we give you beyond that infinite
23 value?

24 Now that seems to me a moral argument. It may
25 be one -- I mean, to me -- when I said psychological,

1 I meant it. It would seem to me very hard if I were
2 the physician who was on a daily basis giving someone
3 a pill, which if they did not have, I would watch them
4 wither and die before my eyes. I would have a hard
5 time to stop giving them that pill but if --

6 DR. MACKLIN: I do not know about that.

7 PROF. CAPRON: -- but, Ruth, but later in
8 this chapter you have a situation in which you talk
9 about the people who are in the previous treatment
10 which did not work but who gave as much of themselves
11 and were left no better off at the end of the trial
12 because it did not work and they are in the next
13 village over, and now you have got something that
14 works, why isn't your obligation now to run over to
15 that village and give them the intervention that you
16 have now found works?

17 DR. MACKLIN: I put that stuff in this
18 chapter because you raised it at the last meeting.

19 PROF. CAPRON: Well, I -- but it is not --

20 DR. MACKLIN: That is why it is here.

21 (Laughter.)

22 PROF. CAPRON: It is there but its
23 intellectual consequences are not grappled with.

24 DR. MACKLIN: Okay. All right.

25 PROF. CAPRON: I mean, I want to know why

1 that obligation to a villager who has had this
2 infinite benefit of a year of greater life is not in a
3 way less than the person in the first village who
4 participated in equal good faith and has, you know,
5 struggled and just about died, and now you could run
6 to that village with the drug from the successful
7 trial and save that person's life for a year. Why
8 isn't your obligation to that person even more? They
9 never got any benefit.

10 Just the way we would say your obligation to
11 the person who was getting the placebo the whole time.

12 I mean, our usual assumption is, if you have been on
13 a placebo arm of a trial we owe you somehow. If we
14 found something that is going to work, we give it to
15 you now because you made the equal sacrifice and did
16 not get anything out of it.

17 DR. MACKLIN: So what is probably needed here
18 is an --

19 PROF. CAPRON: It is a real dilemma. I do
20 not have an easy answer.

21 DR. MACKLIN: What is probably needed here is
22 some kind of -- what is probably needed is some
23 further elucidation and grappling with this issue but
24 it seems to me, if you will just let us look at the
25 next recommendation, again which talks about an

1 obligation --

2 PROF. CAPRON: Right.

3 DR. MACKLIN: -- on the bottom of page 3, top
4 of 4. Okay. We are moving outwardly in each one of
5 these. Okay. We got the clear present obligation and
6 then we have the one to the subjects who have
7 benefited. Now it is needed again for those who
8 participated in a trial for a limited time after the
9 conclusion of the trial.

10 Now the limited time was meant here both to
11 be realistic and I suppose appropriate in saying
12 obligations do not last forever. They do not last for
13 an infinite time and I do not know about this infinite
14 --

15 PROF. CAPRON: Just to be -- for clarity
16 sake, you are talking about -- the limited time was
17 you do not need it today but if in the next X years
18 you needed it, we will come back and give it to you.

19 DR. MACKLIN: Something like that, yes.

20 PROF. CAPRON: That is just a scenario.

21 DR. MACKLIN: That is it, yes. That is the
22 scenario.

23 PROF. CAPRON: I am just trying to clarify.

24 DR. MACKLIN: In other words, they get
25 malaria. They are in the malaria trial.

1 PROF. CAPRON: Right.

2 DR. MACKLIN: Okay.

3 PROF. CAPRON: They are cleared up but it
4 reoccurs.

5 DR. MACKLIN: And it is cleared up and then
6 they get it again, and I do not know that much about
7 malaria but they get it again. Okay. And the
8 question is, they have been in that trial for a
9 limited time.

10 Now the limitation --

11 PROF. CAPRON: So this is a subset of the
12 first one without the immediate sort of -- I was
13 calling the psychological punch. When you walk away
14 from them they look healthy but a year from now they
15 might need you again.

16 DR. MACKLIN: No, no. The first group was
17 not going to be healthy. They are going to get sick
18 again.

19 PROF. CAPRON: No, no, the first group is the
20 sick group.

21 DR. SHAPIRO: Okay.

22 PROF. CAPRON: The second group is the one --
23 the difference is that you are walking away.

24 DR. MACKLIN: Right.

25 PROF. CAPRON: You can leave them healthy.

1 The question is when they get sick again in a year do
2 you have to come back. So it is a subset of the same
3 moral principle.

4 DR. MACKLIN: Okay. I think what I was
5 hoping to do --

6 PROF. CAPRON: Harold is going to get --

7 DR. MACKLIN: -- what I was hoping to do is
8 failing and it is failing because Alex responds and I
9 respond to him.

10 Let me just say what I was hoping to do in
11 pointing to the specific recommendations. Okay.

12 The discussion sounded like the obligation
13 was to provide all kinds of stuff to the country or to
14 lots of people in the country but, in fact, the
15 obligations are quite limited when you look at what
16 the recommendations say the obligations are until we
17 come to the most troubling one of all and that uses
18 the -- still uses this vague language or the unhelpful
19 language of reasonable availability, and that is the
20 recommendation on page 11.

21 And that is where we move from a direct
22 obligation to use Jim's terms. Where we move from an
23 obligation to do X or Y or Z to an obligation to
24 negotiate and have this discussion in advance. And
25 then the whole discussion that will follow that, is

1 the discussion of prior agreements.

2 So I had the sense that the discussion that
3 took place in the last 45 minutes was kind of
4 indicting these obligations as being too sweeping, too
5 global, promising too much at the end of research.
6 Whereas, in fact, there is some very limited -- there
7 are limitations put on every one of the other
8 obligations until we get to the last one and that is
9 an obligation to negotiate.

10 DR. SHAPIRO: I have a number of
11 commissioners who want to speak. Let me say a word
12 before Diane. I have Diane, Arturo, Eric and Steve on
13 my list at least as of right now.

14 Let me say a word about this coverage issue
15 that keeps coming up in one form or another and at
16 least -- not try to resolve the issue but at least
17 share my concept of what I thought we were getting at
18 here regarding which research we covered, is it just
19 clinical trials, clinical trials of certain diseases
20 and so on and so forth.

21 My view is that the topic that one begins
22 with is international research. It includes
23 everything. Then we may have good reasons -- and we
24 ought to state them -- to eliminate certain classes of
25 things and we just ought to really state them early on

1 so we make sure we know what we are talking about.

2 But I think that it should be as broad as we
3 feel we can handle and should include research.

4 To give you an idea of what I mean, let's
5 suppose you consider the following divisions as
6 research in resource rich or resource poor countries,
7 that is Germany and Canada, or other poorer countries.

8 In my own mind, and I am not trying to --
9 this is not the commission's judgment. In my own mind
10 I can eliminate quickly in my head all the research
11 going on in resource rich countries because I have, my
12 own view, a very simple solution to that issue and we
13 can get it out of the way. That is just my
14 perspective and we can talk about that later.

15 However, when we get to resource poor
16 countries a whole -- a much more complex set of issues
17 come into play and maybe that is where we want to
18 focus our attention. That is my view since I think
19 the other one is so easy to solve but that is an open
20 issue.

21 So we ought to really find a way to clarify
22 for ourselves perhaps by the next time we meet just
23 what it is we are covering. I think my own view is
24 that we can cover quite a lot and we can eliminate
25 quite a lot quite successfully without just ducking

1 and that is really deal with it because I think a lot
2 of it is quite easy to deal with but there are some
3 very hard questions left over.

4 I also think that, Arturo, to turn to your
5 point about -- or other people's point about
6 paternalism. I mean, if there were not a certain
7 amount of paternalism there would be nothing for us to
8 discuss here, frankly.

9 And so that I think I accept your point that
10 we cannot behave like we know everything and no one
11 else knows anything. I mean, that is a very bad
12 situation but a certain amount of paternalism I think
13 is adherent in the fact that we even care about what
14 goes on somewhere else and we are just not letting
15 someone else take care of it but we care how we behave
16 elsewhere or how we export our dollars with certain
17 kinds of commitments and so on.

18 So I think that the -- there is a hard issue,
19 which is what level is appropriate. I mean, I think
20 your point is well taken in that respect.

21 Finally, I think when we come to obligations,
22 I have a sense that at one stage or another, and I do
23 not think perhaps this is a subject at all for this
24 afternoon, we are going to have to decide whether a
25 transfer of resources or fulfilling an obligation

1 through the provision of health is something different
2 than meeting that obligation in some other way.

3 And I do not -- and that is not a topic for
4 this afternoon, but I think we are going to have to
5 deal with that in some way before we can really
6 resolve finally some of the issues that come up in
7 these recommendations.

8 But let me go now to the list that is here.

9 Diane, you are next on the list.

10 DR. SCOTT-JONES: The first question that I
11 wanted to raise is one that Harold has just addressed
12 and one that Alex mentioned too, when he was talking
13 and that is what the real topic of this report is.

14 And, as I recall, from previous meetings, I
15 thought that we had discussed that and decided that
16 this report is focused on international research that
17 is of a specific kind and in their first page of
18 chapter 3, Ruth and Alice say it is research where an
19 industrialized country sponsors or conducts research
20 in a resource poor country.

21 I thought that that was our focus and if it
22 is not, I think the report probably does need to be
23 changed quite a bit but I thought we had agreed some
24 time ago that that was our focus.

25 The second point that I wanted to make has to

1 do with the motivation of U.S. researchers when they
2 go to a resource poor country.

3 From the presentations this morning about
4 malaria, a couple of reasons that were brought up
5 were, you know, to protect U.S. travelers or to
6 protect the U.S. military but it seems to me that at
7 least part of the motivation is benevolence.

8 It is that U.S. researchers want to study a
9 disease like malaria where it occurs because it would
10 not be reasonable to study it in this country. There
11 would not be the incidence of it and so forth.

12 So if one is studying malaria one goes to the
13 countries where malaria is prominent or prevalent and
14 it seems to me then that you are then entering a
15 different context for conducting research than the
16 context that exists when -- if one were conducting a
17 study, a basic research study here. It seems to me
18 that one then does have these various obligations that
19 are discussed in this research.

20 Otherwise, why would one go to that country
21 in the first place when malaria is not a serious
22 problem in the U.S. for U.S. citizens?

23 It seems to me that you have already -- in
24 going there in the first place -- undertaken a
25 different set of obligations. If not, then the only

1 motivation is to predict the small number of U.S.
2 travelers who need mefloquine or the U.S. military and
3 that seems to me just not a way to interact with
4 people in a resource poor country.

5 So I think we need to examine the motivation
6 of U.S. researchers for choosing to study a disease in
7 a resource poor country.

8 DR. SHAPIRO: Thank you.

9 Arturo?

10 DR. BRITO: I am going to just make one more
11 comment about the paternalistic comment I made before.

12 I am going to put it to rest. But if Eric is my
13 witness here, I had the lines that Trish mentioned on
14 page 5 about the true partnership being forged
15 highlighted and I thought that was a very good point
16 here.

17 My whole point about the whole thing is to
18 try to focus more energy into this partnership and the
19 disclosure part of it, not to say that there is not
20 going to be paternalism and that there is not going to
21 be obligations that we are going to agree to. I will
22 just put that to rest.

23 The one comment I have about what were the
24 obligations, the second and third recommendations
25 about obligations, the one thing that made me a little

1 bit uneasy on the general term here, is that if we are
2 only going to provide -- and we are assuming -- I was
3 assuming here we are talking about resource poor
4 countries where we are doing this research and
5 significant research such as malaria, TB, AIDS, et
6 cetera, is that it makes me a little bit uneasy that
7 if we are only obligated to provide the care to
8 participating subjects, then at what point does this
9 become a bit on the coercive side or undue inducement,
10 et cetera.

11 And I know in chapter 3 there is -- it is
12 somewhat addressed in here but I just want to mention
13 that. I think that is something we should think
14 about.

15 DR. SHAPIRO: Thank you.

16 Eric?

17 DR. CASSELL: I will pass.

18 DR. SHAPIRO: Thank you.

19 Steve?

20 Excuse me. Trish, did you have a quick
21 question?

22 PROF. BACKLAR: I think part of the problem
23 with this discussion is that we are discussing chapter
24 4 without discussing chapter 3 first and what is
25 preceding it. Some of chapter 3 we had read before.

1 It still is very useful to look at that first and then
2 go to chapter 4.

3 DR. SHAPIRO: We will be getting there in a
4 moment.

5 Steve?

6 MR. HOLTZMAN: I want to thank Ruth for
7 pointing out the difference between the different
8 recommendations. The first two really go to
9 obligations owed to the particular subject as an
10 individual. And so I think the question we need to
11 tackle there is twofold.

12 Again it comes back -- if you are really
13 looking at these people as individuals, why would we
14 distinguish the international from the
15 noninternational case because you have really isolated
16 them as individuals. Is there something special there
17 or not?

18 And then the second goes to the question, not
19 is this enough or too little or too much, which is how
20 you took the question, Ruth. Rather it is the logical
21 form of the compensation.

22 DR. MACKLIN: Which?

23 MR. HOLTZMAN: It is about the logical form
24 of, as it were, the compensation, that it has to take
25 the form of the drug itself. All right.

1 When Alex was talking about the psychological
2 impact -- instead of psychological because people will
3 say we only saw psychological, I think it goes to the
4 whole issue of meaning and that relationship that Alta
5 was talking about. All right. But I think one can
6 raise the question whether it has to take that logical
7 form or not.

8 And so I think it is important for us to look
9 at the individual versus the other ones about where
10 you do leave scope for better design of discussion of
11 what is the best form of compensation, number one.

12 And then, number two, the logical form.

13 And I had another point but I forgot it.

14 DR. SHAPIRO: It will come back.

15 Other questions from members of the
16 commission on this?

17 Carol?

18 DR. GREIDER: I just wanted to respond to
19 what Diane said about why would people go to resource
20 poor countries to do research. And just to add to the
21 kinds of scenarios that you put forth, you can also
22 imagine that there may be a disease that is widespread
23 throughout the world, and that developing some sort of
24 a treatment for that disease, even though it is not
25 endemic in the United States, may be a good market for

1 which to market some sort of a treatment.

2 So we are not necessarily just thinking about
3 the United States treating the United States citizens.

4 One could be thinking about -- I do not know if
5 malaria is a good case but some disease that is
6 worldwide a serious problem for which you could have a
7 good market to sell drugs to treat.

8 DR. SHAPIRO: Tom?

9 DR. MURRAY: Yes. I hope I am -- I fear I
10 may be complicating rather than simplifying matters
11 but since these comments are inspired partly by what
12 Steve just said and by some things that Alta said
13 earlier.

14 And that is, I believe a great deal of the
15 complication in this issue is because, in fact, the
16 relationship between investigator and -- particularly
17 investigator and subject, but also sponsor and host
18 community or country, is not a traditional
19 relationship of contract. It is not a relationship of
20 wage labor.

21 It is a different order of relationship.
22 That is how we have understood the ethics of human
23 subjects research for some decades. And efforts to
24 sort of literally cash it out in terms of how can I
25 compensate the subject, never worked very well because

1 we are talking about some sort of -- it is a
2 relationship based on things like honor and trust
3 rather than contract and straight forward wage
4 compensation.

5 And that is maybe one reason why we think
6 that the drug, if it is an effective drug, to deprive
7 them suddenly of that thing which has been keeping
8 them alive and keeping them healthy -- even if we gave
9 them the money cost, you know, or that plus 50 percent
10 more, would not be right. It would not be right
11 because it is that relationship.

12 I also think that -- and I hope I will be
13 corrected if I misunderstand that -- that we really
14 are focused on avoiding exploitation.

15 I mean, that is the -- at least theme that
16 has been in my head the whole time. And that these
17 various principles and these arguments are all ways of
18 understanding how, in specifics, we can avoid being in
19 a position of exploiting some persons who are less
20 wealthy, powerful, et cetera.

21 DR. SHAPIRO: Steve?

22 MR. HOLTZMAN: Carol's comment brought back
23 my thought and that is -- I always push for us
24 thinking about different cases. It is an old line
25 from Lichtenstein, a one sided diet of examples leads

1 to bad philosophical disease.

2 So take malaria. There is no big market for
3 drugs for malaria in the United States. So the reason
4 you go there, is that is where the disease is and it
5 is to treat those people and it is -- that is why
6 pharmaceutical companies do not sponsor that research.

7 It is not a big market.

8 That is very different than the case where
9 you say I have got a potential -- an interesting drug
10 for the Western market. It is a very risky drug. Let
11 me go find some undeveloped people and buy them off
12 and test it on them. And that is very different
13 again -- and I can think of an example I was recently
14 exposed to for a bone healing drug for fractures.

15 You know, -- It is widely applicable. People
16 break their legs everywhere in the world. It just so
17 happens they found that because there are a lot of men
18 riding motorcycles and mopeds in certain places in
19 Northern Africa, you can really accrue a lot of
20 subjects very, very quickly there.

21 It is not a toxic drug. You are not doing it
22 because you could not do it elsewhere. It is just
23 purely the accrual rates. I think it is unlikely
24 that, if approved, that drug will be widely available
25 in those countries because it will be very expensive.

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Is that, therefore, wrong? Are they being exploited in the same way as when you had in your mind the paradigm case of a drug you would never think of testing on a white male subject so go find someone else to test it on?

7

DR. SHAPIRO: Thank you.

8

9

10

Alex, and then I am going to turn to Ruth to see if she has anything she would like to specifically ask us, and after that we are going to take a break.

11

Alex?

12

13

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PROF. CAPRON: Three quick comments. First in response to you, Harold. I think it may be possible for us to dispose of the nondeveloping nation issues quickly, but when we began the report, we were thinking simply about what barriers exist to research conducted across national borders from U.S. regulations that are largely unintended problems.

19

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22

23

Not where we say, well, these are standards which of course make sense but -- and, as I recall, we heard from Tom Puglisi early on that there was only one institution outside the United States that had a multiproject assurance.

24

25

In other words, none of the other ones had ever met whatever standards, and it was in part

1 because they did not adopt the Belmont Report or their
2 adherence to this or that was unclear. And that seems
3 to me something that we, therefore -- not at a big
4 moral level but at the level of what we thought we
5 were going to write this report about --

6 DR. SHAPIRO: Good point.

7 PROF. CAPRON: -- cannot dismiss.

8 Now we may end up saying in an introduction
9 we thought we were going to write about that but it
10 turned out that, as we looked at it, the more
11 ethically troubling sets of issues come when rich
12 nations, including the U.S., work abroad particularly
13 in clinical trials but perhaps in other kinds of
14 research, too.

15 The second point is maybe, Steve, if we look
16 at the two recommendations on page three that have to
17 do with obligations to individuals, and if we frame
18 them with the following introduction:

19 In circumstances where the majority of the
20 population from whom subjects are going to be drawn or
21 the overwhelming majority will not have access then
22 blah, blah, blah because that does distinguish it. As
23 Ruth says -- I mean, it may well be that Viagra was
24 tested on a lot of people who now do not have any
25 entitlement to Viagra under their insurance plans

1 because they regard it as a -- I do not know if it is
2 a recreational drug or --

3 (Laughter.)

4 PROF. CAPRON: -- but it is not for most
5 --

6 DR. SHAPIRO: Do not go there, Alex.

7 PROF. CAPRON: -- but for most of them it is
8 not regarded as medically --

9 MR. HOLTZMAN: Do you have a conflict on this
10 one, Alex?

11 PROF. CAPRON: No. Thank you.

12 (Laughter.)

13 PROF. CAPRON: Overall our belief is that,
14 between our public and private programs, if a drug is
15 developed in most U.S. testing centers, the
16 population, even if it were a poorer than average
17 population that was going to a university center,
18 which may be a county hospital or a public hospital or
19 a city hospital, are still likely to get access if a
20 new modality comes along and is therapeutically
21 useful. It is probably going to be made available to
22 them and that may distinguish it. That is equally true
23 and probably more true in most of the developed world
24 that has better health care plans than we do.

25 But in the underdeveloped world, if the

1 government of Malawi could not supply this drug which
2 we heard about for malaria even though it was
3 developed there, then you are in a situation where
4 these obligations come into play.

5 Now I am not arguing whether they are correct
6 obligations but it is a way of framing the difference
7 that may be useful.

8 The third thing is something new which I have
9 not spoken of before and I just wanted to ask that you
10 give some attention to the bottom of page 8. You give
11 a specific example.

12 You say, "For example, if a vaccine trial is
13 conducted in Uganda, all of East Africa is too large
14 an area, whereas only the trial participants or local
15 community in which the trial takes place is too small
16 an area to be ethically defensible."

17 Again I come back to the notion of -- I mean,
18 where does the particular ethic come from? If we were
19 talking about a privately sponsored trial in another
20 context, we would ask what is the ability of the
21 sponsor to bear this burden?

22 And, for example, if I can give you an
23 analogy, in the area of punitive damages, the argument
24 about punitive damages, is not that they are tied at
25 all to the need of the person who has been injured.

1 They are quite separate from any compensatory damages.

2

3 They are supposedly going to be keyed to the
4 wealth of the injurer so that, if a very rich company
5 does some bad thing, and a not very rich company does
6 the same bad thing, the jury is allowed to measure
7 punitive damages on a level which will be punitive.
8 In other words, that will get their attention and you
9 have to be much more punitive to a very rich company
10 to have any effect.

11 Well, the same -- not on the punitive level,
12 but the same thought would seem to me to be part of
13 the notion of ethically defensible. It would not seem
14 to me if you are talking about a small biotech company
15 that, you know, maybe has never turned a profit to say
16 that they have an obligation to include all of Uganda
17 as opposed to the village in which the research trial
18 might be -- might not be ethically defensible because
19 the burden would be too extreme.

20 Conversely, if it is Novartis, or some big
21 global company, maybe they could take on all of Uganda
22 because the profits that they will be drawing on are
23 much greater.

24 So it seems to me we have to explain when its
25 ethically defensible. I mean, what is the origin of

1 the measurement of what is ethically defensible? Is
2 it the ability to pay? Is it the burden that would be
3 imposed?

4 DR. SHAPIRO: That is an interesting
5 question. I did not have the analogy, which I thought
6 kind of interesting, that you proposed. I had not
7 thought of that at all but I was concerned -- I did
8 not understand where that phrase came from, but we can
9 get to that another time.

10 Ruth, is there anything you would like to
11 specifically ask us on this or --

12 PROF. CAPRON: I have heard more than enough.

13 DR. SHAPIRO: Well, I know you have heard
14 more than you want to hear but I mean that is a
15 separate issue. I am not asking that question.

16 DR. MACKLIN: Well, let me say one thing -- I
17 want to clarify something. Although this report is
18 largely, and these chapters are primarily, about
19 obligations of industrialized countries and rich
20 sponsors to resource poor countries, it is not -- the
21 entire report is not and will not only be about that.

22 One problem has arisen here in that we
23 started our deliberations and discussions with chapter
24 2. We did chapter 3. We are on to chapter 4. We
25 never had a chapter 1.

1 Chapter 1 is going to set up the problem and
2 now is the time to write it so before we meet again
3 you will see chapter 1. And chapter 1 will say among
4 other things -- I mean, it will give a little history
5 and a little background -- among other things, it will
6 say the reasons for the focus on the resource poor
7 countries and how that is primarily what the subject
8 matter of chapters 3 and 4 are about. When we get to
9 chapter 5, it will not only be about that because of
10 what we heard from Dr. Pape this morning when he
11 commented about what the French and the Canadians
12 think about the imperialism of the U.S. in that if
13 they are one of the sponsors they have to follow the
14 U.S. rules.

15 So the next chapter, which you will see, not
16 at the next meeting in April but the subsequent
17 meeting, will be about the collaboration and enhancing
18 collaboration.

19 When we talk about resource poor countries,
20 we will raise the questions that Arturo raised and
21 consider the point of not being paternalistic and
22 having a full collaboration.

23 When we talk about other developed or
24 industrialized countries, we have to look at a
25 situation where OPRR, or whoever the powers that be,

1 will not accept something that comes even from another
2 country that is very well represented in Stu's chart,
3 for example, as complying with a whole lot of very
4 important regulations.

5 So we will be talking about the relationship
6 or the collaboration with other -- with industrialized
7 countries but it will not be the same issues that have
8 been dealt with.

9 Harold asked what I would like to ask from
10 the commission.

11 I think from the first meeting we have heard
12 calls and appropriate calls for examples of this, that
13 or the other thing.

14 You have got here a philosopher, bioethicist
15 and a lawyer, M.P.H., working on this without the
16 kinds of examples of the sort that Steve gave, and a
17 couple of here that are from our presenters -- people
18 who have given testimony, and which we will then try
19 to incorporate or seek to incorporate.

20 And what we would like to ask from the
21 commissioners is where relevant, because I am sure you
22 know of examples or have examples -- where you are
23 asking for cases or examples, it would be extremely
24 useful to us if you could -- you do not have to do
25 research but, just as Steve gave a couple of examples,

1 plug them in so that -- and write it so that we get it
2 accurately and do not, you know, goof, so that we have
3 examples by way of illustration where needed and
4 desired.

5 In other places people are calling for
6 arguments and one of these people is my friend and
7 colleague, Alex Capron, who periodically asks for an
8 argument or challenges an argument, presents a
9 response and a very good response in a dialogue that
10 probably could be and should be written down so that
11 we can test it. Okay.

12 So what I would like to see -- I mean, it is
13 in the transcript. Yes. Would you be prepared if we
14 give you the transcript --

15 PROF. CAPRON: I will be happy to.

16 DR. MACKLIN: -- to take out the "ur's and
17 um's" and --

18 PROF. CAPRON: There never are any.

19 DR. MACKLIN: -- sharpen --

20 (Laughter.)

21 DR. MACKLIN: Well, you could use a little
22 punctuation in there then.

23 (Laughter.)

24 DR. MACKLIN: But to sharpen the arguments,
25 and in a way that is directly responsive so that we

1 can then do an "on this hand" and "on the other hand",
2 and be able then to take some of the points that are
3 made here that may get lost. I mean, we do look at
4 the transcript and try to do it but it would be
5 helpful if the authors of the arguments could help us.

6 DR. SHAPIRO: Well, we will -- each of us, I
7 hope, then take the obligation to do that. And for
8 those of us that do have experience with being able to
9 provide categories of cases that you think are
10 illustrative, that would be very helpful. I think
11 that is our obligation to do that. And I encourage
12 you to just send them in to Ruth, or to Eric, or
13 myself, anyone, so we can put that together.

14 Okay. Let's take a break for about 15
15 minutes now and then we will reassemble and look at
16 the chapter 3.

17 (Whereupon, at 3:15 p.m., a break was taken.)

18 CHOOSING A STUDY DESIGN: ETHICAL AND
19 METHODOLOGICAL CONSIDERATIONS

20 (DRAFT OF CHAPTER 3)

21 DR. SHAPIRO: All right. I would like to go
22 to the last item on our agenda today. We will adjourn
23 no later than 5:00 o'clock. That is the absolute
24 outer limits. As I have said on so many other days
25 that does not mean we have an obligation to remain

1 here until 5:00 o'clock if we happen to run out of
2 things that are worthwhile saying.

3 Let me deal with chapter 3.

4 Ruth, is there anything you would like to say
5 before I turn to the commissioners to see if they have
6 any questions?

7 DR. MACKLIN: No.

8 (Laughter.)

9 DR. SHAPIRO: That is said so full of hope.
10 All right. Let me turn to issues that may be on the
11 commissioners' minds.

12 Any questions anybody has?

13 Bernie?

14 DR. LO: I can testify to Ruth and Alice's
15 organizational skills. They sent me an e-mail a week
16 ago asking me to comment in writing on several
17 questions I had raised. Luckily, I went on vacation
18 so I ducked that one so they got me this morning.

19 I also just want to thank them for sort of
20 laying out the issues so clearly and logically, and
21 lucidly. I think it is really helping us think
22 through some difficult issues.

23 And what I want to do is offer some big
24 picture items and to save Ruth the trouble of
25 repeating what she said before the break.

1 Yes, I will in response to my own questions
2 about getting specific cases, try and think up some
3 specific cases to flesh this out and see how this
4 might work out in different circumstances.

5 It struck me as I read it through that this
6 really read like a chapter in an epidemiology clinical
7 research methods textbook. I would like to encourage
8 us to put more attention to ethical issues into the
9 chapter, which I think can actually fit very nicely.

10 I have had ongoing concerns about this new
11 language we adopted of effective -- and I actually
12 forget what the second modifier is.

13 DR. MACKLIN: Established.

14 DR. LO: Established and effective. The two
15 "E's." What that actually means and it obviously does
16 not carry some of the baggage that the CIOMS Helsinki
17 language has but it, you know, may not be specific
18 enough.

19 To me there are issues of how do you conclude
20 that an intervention is effective. So what level of
21 evidence do you need?

22 People have, you know, very different
23 standards for what constitutes consistent --
24 compelling or convincing evidence of effectiveness and
25 it is actually a -- there are nice discussions in the

1 epidemiology literature that actually include ethical
2 issues in terms of how certain you have to be, --
3 where is the burden of proof and issues that I think
4 really fall under the ethics domain. We should try
5 and highlight that.

6 There is a risk that people will read this to
7 be a technical decision where, in fact, it is really a
8 very value laden decision, and I would actually
9 argue that we should try and say that this is not
10 something that a bunch of epidemiology "wonks" should
11 decide. It really should involve the community,
12 potential participants, the host country, et cetera.

13 I also think it would be good to introduce
14 the concept of equipoise in the chapter and use it.
15 One of the things that is striking, it seems to me,
16 about this debate is how readily people who disagree
17 with someone else start pointing fingers and saying,
18 "You are unethical."

19 And I think there is a notion, I think,
20 embodied in equipoise that there are reasonable
21 disagreements and, in fact, they are healthy and, in
22 fact, are the justification for doing certain kinds of
23 randomized trials and that we need to give some
24 indication of how you distinguish reasonable
25 disagreements from ethically unacceptable protocols.

1 I think again the sort of ethical
2 philosophical concepts can help.

3 And, finally, I think that we obviously --
4 this is again an echo of what we saw in chapter 4.
5 There are a lot of very tough substantive issues which
6 I think we want to try and get at -- with some
7 specific cases but also in the absence of being able
8 to settle those once and for all, sort of procedural
9 solutions are going to become very important.

10 I think we need to ask questions like who
11 decides, what procedures are we going to set up for
12 deciding when something is effective or not.

13 So I think those are the sorts of general
14 directions I would like to see us head. I think it is
15 very useful to have all this laid out so clearly but
16 at times I lost the ethical issues because there was
17 so much attention to different sort of research
18 epidemiology considerations.

19 And if there is a way of condensing that, or
20 moving some of it to an appendix and really focusing
21 more on our charge, which I think is to highlight the
22 ethical issues to help people start to think them
23 through.

24 DR. SHAPIRO: Thank you.

25 Eric?

1 DR. CASSELL: I want to pick up on neglected
2 e-mails I have written. But today's testimony makes
3 clear once again that whatever we write here, we are
4 really writing a template for the development of
5 ethical procedures for protection of human subjects in
6 countries, in which at the present time, there is not
7 a structure to do that. There are not IRBs. There
8 are not trained investigators. There are not people
9 committed to the ideas and so forth.

10 So that it is very -- I think it is important
11 that whatever we do begins to lay down the method by
12 which we think that will happen, and the example I
13 used was our own development here and how people -- it
14 took time for people to get committed to this.

15 You know, we can set up something and the
16 stricter and more hard-nosed it is, the less chance it
17 has of making itself felt in the host country.

18 On the other hand, the more the host country
19 participates in the whole process, the more chance
20 that in ten years, in fact, good research will be done
21 that is ethical.

22 And I think we have to be explicit about how
23 we think that is going to come about. How we think
24 people will learn the procedure that was learned in
25 this country over the past 25 years.

1 DR. SHAPIRO: Thank you.

2 Other comments?

3 PROF. CAPRON: Yes.

4 DR. SHAPIRO: Alex?

5 PROF. CAPRON: Yes. Eric, the notion that
6 what we are talking about is evolutionary and we are
7 trying to set precepts that will lead to change I
8 agree with, but I think what we have heard repeatedly
9 today, and on previous occasions, were that in many of
10 these countries structures have been created and
11 people are committed to the protection of subjects.

12 The issues arise mostly out of cultural
13 differences. For example, the notion of community
14 consent and what that difference would imply. The
15 example that we heard today from Malawi of signing
16 forms and what that implies and so forth.

17 But I think it would be a mistake if I
18 understood what you were saying to say that the report
19 is written for the situation in which there is no
20 infrastructure and --

21 DR. CASSELL: Oh, no, that is not my meaning
22 at all.

23 PROF. CAPRON: Okay.

24 DR. CASSELL: Actually what you said --
25 highlights what I do mean. When we use the concept of

1 person in this culture, we are talking about a very
2 different meaning than when the word "person" is used
3 in other cultures with much stronger community base or
4 the word "culture" is used in -- "person" is used in a
5 -- just to make it simpler, as it used in upper class
6 Britain. I mean, there are different things.

7 What we want to end up with is ethical
8 research, which is based in the cultures in which it
9 then takes place, and it is that kind of development
10 that has to take place there. We would not come up
11 with the developments that make that possible because
12 we do not know enough about it, but if we encourage
13 the participation at every step of the local authority
14 or the host country then, in fact, we do make that
15 happen.

16 And, for example, if we say so and so it is
17 obligated, I think any time we mention it, we always
18 have to know that there is a sponsor, there are
19 participants in the research, there is a host country,
20 these are all active parts of the process, and that
21 they all have to be present at each time.

22 DR. SHAPIRO: Thank you.

23 Alta?

24 PROF. CHARO: First, I want to just say that
25 I was going to move to a different point so I do not

1 want to cut off anybody that might want to respond on
2 this.

3 I was wondering, looking at this chapter, on
4 page 36 there is, I think, a very central conclusion
5 and recommendation about the obligation to provide
6 members of a control group with an established
7 effective treatment.

8 And I wanted to make sure that I understood
9 what this would mean in the context of one of the
10 paradigm cases, which is the Uganda AIDS trials, the
11 AZT trials that started this whole debate in the
12 medical journals. As I recall, when Bob Levine
13 testified in January he cited a host of reasons for
14 not giving the established effective treatment to the
15 control group.

16 Some of those had to do with the inability to
17 sustain that treatment *in situ* following the end of
18 the trial.

19 Other reasons he cited included difficulty in
20 providing that even in the course of a study and in
21 his assertion that it would have required a change in
22 -- I think he was citing specifically breast feeding
23 habits that might have been overall to the detriment
24 of the health of infants of mothers who were enrolled.

25 And I wanted to just -- in light of the

1 complexity of the objections to providing established
2 effective treatment in that trial, I would like to
3 just make sure I understand exactly what this
4 conclusion means by testing it against that and maybe
5 some other cases -- to make it easy to decide whether
6 to sign on or not.

7 My inclination is to say yes but -- because I
8 have always been the very protective one but I want to
9 make sure I understand what I am saying yes to.

10 DR. SHAPIRO: Yes, go ahead, Ruth.

11 DR. MACKLIN: Yes. We could discuss that
12 here. I think there is -- we have made a deliberate
13 decision not to revisit those trials because it was
14 so contentious because people on both sides never gave
15 an inch, even at the end, and people drove in their
16 stakes in their defense of something and could not
17 move to the middle.

18 It would make this report more controversial
19 than it already is to revisit -- let me just finish.

20 PROF. CHARO: I just want to clarify. I was
21 not suggesting that you write it in here. I was
22 suggesting we use it for discussion purposes, not to
23 use it in the text.

24 DR. MACKLIN: All right. That is why it was
25 not used in the text.

1 Now there are two ways to go with this. I do
2 not know how long to spend on it but one way is to
3 look at Bob Levine's comments, each of which has a
4 response, and the other is to address it more
5 generally.

6 Let me try the first just to look at it
7 because there is a response to each of these and
8 because we heard from Levine and not directly from the
9 opponent in that debate. We did not get the response.

10 On the breast feeding issue, it happens to be
11 true of absolutely any intervention to prevent
12 maternal to child transmission, whether it is placebo
13 controlled, short course, long course, established
14 effective, 076 or whatever that the ability -- whether
15 it is within the trial or following a trial, to reduce
16 maternal to child transmission is going to be affected
17 by whether the population is breast feeding.

18 So that is a red herring with regard to any
19 particular design. It applies with every design and
20 it applies following the completion of the design.
21 There is that point.

22 On the question of whether or not using the
23 established effective treatment in the control arm
24 will ever be provided after the trial, the question
25 is, no, it will not but so what. The intervention

1 being tested is the one that will be provided after.

2 So the obligation to do research that is
3 relevant to the country and not to testing that will
4 never be used, if that is an objection, the objection
5 does not apply because, in fact, what will be used is
6 the short course. So, I mean, there are other
7 arguments for that.

8 So to use the established effective treatment
9 in a control arm does not require us to be able to
10 provide that after the trial just so long as you are
11 testing something within the trial that will be
12 provided. That is the answer to that part.

13 As far as the ability to provide it during
14 the trial, well, of course, all the equipment and the
15 infrastructure and everything else is brought in for
16 the purpose of the trial so it is possible to provide
17 it. Not if you are going to do the trial in a rural
18 area where they only have midwives and they do not
19 have hospitals, you know, with all that equipment.

20 But if the question is let's test this on the
21 relevant population, namely women who live here, and
22 see whether or not the short course will work and work
23 to whatever comparison with the established effective
24 treatment, that could be done in the tertiary care
25 center.

1 So there is a response to each one of those
2 objections. There is not a response or -- I mean, if
3 the other response is made, namely -- or the other
4 objection that it will take longer and you have to
5 enroll very many more people and, therefore, it will
6 be a longer time before you will ever be able to
7 provide the short course effective treatment.

8 The sad fact, as Len Glantz pointed out, is
9 even in those places where there was no established
10 effective treatment, the shorter trial that cost less
11 to do and presumably was going to bring the benefit
12 sooner, still has not been implemented in several of
13 the countries where the trial took place. In Cote
14 d'Avoir in South Africa.

15 So there are responses to each one of those.
16 We are going to use this example as we did here in
17 chapter -- which chapter? Chapter 3 or chapter 4 --
18 by way of brief illustration and we will discuss it in
19 greater length in the introductory chapter.

20 But to try to come down on one side or the
21 other, you are going to lose credibility in this
22 report with half of the people. So we want to say
23 that problem prompted this but we do not want to go
24 into it more.

25 Now I do not know if that is fully

1 satisfactory now but that is at least a response to
2 what you said Bob said.

3 DR. SHAPIRO: Steve?

4 MR. HOLTZMAN: Ruth, staying on this
5 recommendation, it seems to me there were two
6 different kinds of arguments that arose in the AIDS
7 case but I think are generic. And the first had to do
8 with whether or not you had to provide an effective --
9 an established effective treatment if the provision of
10 such would make it impossible to actually get a
11 meaningful result.

12 Now there was great dispute about whether or
13 not a placebo was necessary for the scientific
14 validity but putting it aside, the specifics of that
15 case, should we read this conclusion, this
16 recommendation, as saying one must provide the
17 effective -- the established effective treatment even
18 if the result of that would be to invalidate the
19 study.

20 You know, you are saying --

21 DR. MACKLIN: Don't we say in here somewhere
22 that this depends on the research question and how you
23 formulate the research question? That is the very
24 lengthy discussion of the superiority design and the
25 inferiority design that would give rise depending on

1 which question you ask.

2 So surely if you are asking whether the short
3 course regimen is better than nothing, you are not
4 going to be able to answer that question if you use
5 the established effective treatment in the control
6 arm.

7 So as Lagakos pointed out, a different
8 research question that would call for a different
9 design would enable you to use the established
10 effective treatment, get an answer to a different yet
11 still meaningful research question.

12 So I thought that was addressed in there. Is
13 it addressed, Elisa? Maybe we can point out where it
14 is in here. Okay. This is the chapter here.

15 MR. HOLTZMAN: No, I think it is important to
16 make that clear because that was a large part of the
17 argument. Where the ships passed in the night was
18 because there was a disagreement over whether or not
19 you would have gotten a valid result with that other
20 question. Okay. So I think that is -- but to the
21 second --

22 DR. MACKLIN: It was not clear --

23 MR. HOLTZMAN: Right. Okay.

24 The second is coming back to Alta, which is
25 the other part of the discussion. Again putting aside

1 the Levine specifics, really your argument goes to
2 essentially the principle of beneficence. Bottom line
3 on the page before that at 35 you conclude that
4 beneficence demands the provision of an established
5 effective treatment. Isn't that a fair way to
6 characterize the argument?

7 DR. MACKLIN: Yes.

8 MR. HOLTZMAN: Okay. So I think that perhaps
9 one -- if one feels that that is not sufficient, one
10 should present in writing to you the arguments.

11 (Laughter.)

12 MR. HOLTZMAN: Which I will do.

13 DR. SHAPIRO: You are getting the idea,
14 Steve. You are getting the idea.

15 DR. MACKLIN: Excuse me. When you say not
16 sufficient, sufficient for what? We are using here
17 the principle of beneficence as applied to research,
18 which is to maximize possible benefits and minimize
19 possible harms. That is the principle.

20 And the application is, given a research
21 design that provides to the control arm the
22 established effective treatment, rather than a
23 placebo, you are maximizing the possible benefits.

24 Now you are going to give a written reply. I
25 am eager to see what it will be.

1 MR. HOLTZMAN: Yes. It is the other side of
2 it. I agree that beneficence demands that. The
3 question is whether beneficence is the relevant
4 principle.

5 DR. SHAPIRO: Okay. Carol and then Bernie.

6 DR. GREIDER: Well, I am also interested in
7 what this might say so maybe we will hear it at some
8 point. I also had some questions about this
9 conclusion and recommendation.

10 DR. SHAPIRO: Which one are you referring to
11 now?

12 DR. GREIDER: On page 36.

13 DR. SHAPIRO: 36.

14 DR. GREIDER: The same one that we have been
15 discussing.

16 DR. SHAPIRO: Okay.

17 DR. GREIDER: On page 27 you lay out an
18 argument -- page 27, line 13 -- suggesting that there
19 may be other considerations, and this one example, is
20 political considerations for how a study might benefit
21 a country. But there may be other reasons besides the
22 actual science that is going on about whether there
23 will be any benefit to be brought to people in the
24 first place.

25 And it seems to me that by bringing that up,

1 then the argument that takes place on pages 34 and 35
2 about beneficence -- that whole argument about
3 practicalities and political realities is completely
4 ignored.

5 And I felt like there was a disconnect
6 between reading on page 27 and then reading further to
7 page 34 that there may be real reasons why a
8 population might benefit from something where there is
9 a placebo controlled trial for practical reasons.

10 I am just wondering if there could be some
11 linking of the arguments that are made in the earlier
12 part of the chapter to the conclusion, because I did
13 not get to the same conclusion having read the same
14 chapter. I was surprised to see this conclusion
15 having read what I had read.

16 DR. MACKLIN: Here, I suppose, one has to
17 talk about the distinction between a political
18 consideration leading to a conclusion and an ethical
19 consideration and what should trump what. I mean,
20 perhaps. But there is the political consideration
21 that is mentioned here.

22 I see what you are pointing to but I think
23 here is where we need to -- we need to -- gently, I
24 suppose -- say that what people take in advance to be
25 political -- politically expeditious may not turn out

1 to be so.

2 And again the point is that if the Ministers
3 of Health or the policy makers or whatever, said you
4 could show that this short course is better than
5 nothing and, therefore, then we will commit the
6 resources to provide it, that is a political
7 consideration that may lead to the short course
8 regimen.

9 But then you -- if you are talking about
10 practical realities and not just about politics you
11 have to look back and say what, in fact, was done in
12 these countries.

13 If that was a consideration and that was the
14 promise on which the design rested, did anyone come
15 through with that promise sufficiently to say, "Well,
16 now, we got the results. There is a significant
17 difference. We now have the obligation to provide
18 this for our people because we let these researchers
19 in here and we supported them and we made this
20 promise."

21 So I think what we need to do is somehow link
22 this political consideration with the actual outcomes
23 and indicate what --

24 DR. GREIDER: I am thinking more about the
25 practical. I am thinking about it in terms of some

1 practicalities that, in fact -- you know, no one in
2 the country has access to the established effective
3 treatment as you have --

4 DR. MACKLIN: That is right, but that was --

5 DR. GREIDER: -- brought up here.

6 DR. MACKLIN: -- that was not what they were
7 going to get. What they were supposed to get at the
8 end was the new experimental regimen that was cheaper
9 and presumably affordable. But if they were not even
10 given that, when the research design that was adopted
11 was based on this presumed political consideration,
12 then that cannot be a justification for accepting.

13 All right. Bernie is going to respond to
14 this.

15 DR. LO: Yes. Let me try and follow this
16 line of discussion.

17 I think what is bothering you about the bold
18 face on page 36 is that, it gets more and more
19 absolute and less and less a sense that there is a
20 dilemma at stake.

21 You know, I think it is right to say that
22 beneficence is one of the fundamental principles of
23 research ethics. It is not the only one and so we
24 have got to allow some situations in which there are
25 countervailing considerations that are very powerful,

1 and beneficence does not just mean providing an
2 established effective treatment in the control group.

3

4 Well, it does not just mean what you give for
5 a control group, but, also, it has implications for
6 the scientific and clinical implications of the
7 findings.

8 And I think, you know, one of the issues that
9 has come up is that, if a randomized clinical trial
10 comparing placebo to an active agent shows an
11 advantage for the active agent, there is no question
12 that if the study is valid and well done, that that is
13 an effective agent.

14 When you do an equivalence trial, depending
15 on what the results show, it may be uninterpretable
16 and you could -- it seems to me it is not unreasonable
17 to imagine a situation where a host country,
18 scientists, group of scientists, responsible
19 government officials and community representatives if
20 you could find them, say, "That is not the way we want
21 to commit our resources. We would much rather not
22 do the equivalence trial. We would rather do this
23 other trial and we have thought it out."

24 So I think with the recommendation we need
25 some -- I mean, if Jim Childress were here, he would

1 somehow get us talking about prima facie.
2 obligations. Generally there is an obligation, but I
3 think to make it sound absolute that you always have
4 to do it, I think, is a problem.

5 Carol also raised a point about the political
6 implications, and you gave the response, but if you
7 look at these placebo controlled clinical trials, the
8 people do not end up getting the drugs.

9 It seems to me that the problem is there may
10 or may not have been a decision that it was wrong to
11 do a placebo controlled trial but I think the real
12 problem was they did not do this prior negotiation
13 about what happens after the trial is over, depending
14 on what the results show.

15 And it seems to me that if you had that in
16 place as we are going to get, you know, in the next
17 draft, then I think that would probably take care of a
18 problem that you did not get.

19 I mean, you can turn it around the other way
20 and say, "In the equivalence trials, where has that
21 been shown to really --" where -- is the fact that it
22 was an equivalence trial as opposed to a placebo
23 controlled superiority trial, make it more likely that
24 you are going to get the thing -- I do not think so.

25 I think we are confusing two important but

1 very separate issues and I think we should try and
2 keep the -- getting access to the proven intervention
3 after the trial separate from how you set up the trial
4 in the first place.

5 Ruth, you made the point that you could
6 always change the research question so that the
7 equivalence trial will answer the research question.
8 The problem is, that may not be the research question
9 that is of primary interest.

10 And I could imagine, again, a host country
11 and all the different stakeholders there saying, "Do
12 not tell us what is the most important question." We
13 saw this with the AIDS community. "Do not tell us
14 that this is the most important question for us. We
15 want to tell you what the agenda and priorities are."

16 So, again, we can come out sounding very --
17 what was the term we are supposed to use now?
18 Parentalistic. We can be parentalistic --

19 (Laughter.)

20 DR. SHAPIRO: Alta is pushing this
21 vocabulary.

22 DR. LO: Okay. If we say that, you know, we
23 will tell you -- we so like this equivalence trial,
24 that we are going to tell you what the research
25 question is that you ought to be asking because we can

1 answer it with this tool. I think, you know, that is
2 sort of flipping.

3 It seems to me the research question comes
4 first and then you figure out is there an ethically
5 acceptable way to answer it. And if there is not,
6 then you have a tough choice as to whether you answer
7 another question that you are not as interested in.

8 DR. SHAPIRO: Thank you.

9 Alex?

10 PROF. CAPRON: If Steve or others want to
11 stay on this point I will defer.

12 DR. SHAPIRO: Steve?

13 MR. HOLTZMAN: It is following up to Bernie.

14

15 Ruth did not give you a direct answer but if
16 you look on page 35, starting at line 28 with the word
17 "assuming," you see effectively the way Ruth wrote it,
18 that there is a prima facie obligation that only kicks
19 in if it assumes that the host country, et cetera, et
20 cetera. Read it.

21 So I think it would be fair to say maybe that
22 should be more strongly clarified, but I think that
23 language is there. For what it is worth, I would like
24 to see it.

25 I will take the responsibility of

1 articulating the position that says, okay, it is a
2 different kind of argument, which is, it seems just
3 bloody irrelevant to provide the standard -- the
4 established effective treatment when they are not
5 going to ever get it.

6 And that it is almost -- the argument would
7 go, one is assuaging one's conscience in using these
8 people in research and giving them this nice better
9 treatment, even though afterwards it is going to be
10 irrelevant to their life situation.

11 That would be the kind of argument that would
12 take on the beneficence argument from a different kind
13 of --

14 DR. MACKLIN: But, Steve, is the placebo
15 relevant to their life situation?

16 MR. HOLTZMAN: Yes, because the placebo is
17 what is the standard of care in the country. That is
18 the argument, Ruth. I will flesh it out but that would
19 be the argument.

20 The other question you should think about is,
21 if the short course fails, do you have an obligation
22 to give the established effective treatment to
23 everyone in the trial thereafter? Because in chapter 4
24 you recommended, if the short course succeeded that
25 you did have to give it to them. So it is worth

1 thinking about.

2 DR. SHAPIRO: Okay. Let me go back to Alex.

3 Is this all on the same --

4 PROF. CHARO: It is all the same.

5 DR. SHAPIRO: All right. Let's take on this
6 issue if it does not go too long.

7 Who else would like to talk about this
8 particular issue?

9 Alta, Carol and Diane.

10 PROF. CHARO: Thank you, Alex. I appreciate
11 it.

12 I wanted to build a little bit on the
13 suggestion that it is possible to discuss this in a
14 way that allows for situations that are too
15 complicated to capture with a simple rule through -- I
16 think people have been calling it a prima facia rule.
17 I call it the presumptions.

18 I want very much to have a very strong
19 presumption that established effective treatment is
20 the appropriate control and to make it very clear that
21 to deviate from that requires some kind of special
22 justification. Which is a somewhat more flexible
23 rule.

24 The only fear, of course, is that it becomes
25 the loophole through which you can drive an army of

1 trucks.

2 I disagree with Steve.

3 DR. SHAPIRO: Convoy of trucks.

4 PROF. CHARO: A convoy of trucks. Thank you.

5 I mean, I disagree with Steve about the
6 irrelevancy here because I think the issue is
7 discussed -- as I presented it before, it had to do
8 with the notion of betrayal and on that score the
9 placebo is a feeling of betrayal.

10 But more to the point, after this very well
11 presented array of experimental styles, what has been
12 shown is, that there are ways to approach the question
13 of interest in a staged fashion that minimizes perhaps
14 the number of people, whoever have to be exposed to
15 the starkest kind of protocol. For example, the
16 double blinded placebo control to test efficacy versus
17 nothing.

18 There is going to be the established
19 effective, experimental and natural history triple
20 armed study. There are going to be dose response
21 studies in certain -- I mean, there are ways that you
22 can stage things where you begin to get a sense of how
23 well the experimental intervention is working.

24 And then as a final check, to make sure that
25 what you have not been seeing is an effect having to

1 do with the population right there that has been
2 influencing the results on all the arms.

3 When you finally have to do the placebo, you
4 can probably do it with far smaller numbers because
5 you do not need to have statistical significance of
6 the same degree in order to confirm what you have been
7 approaching in a staged fashion.

8 In other words, I think there is a way to
9 integrate all of the material before with ways to show
10 that it should be difficult but not impossible for
11 IRBs to come to the conclusion, and investigators to
12 come to the conclusion, that they absolutely have to
13 forego the established and effective treatment arm.
14 Right?

15 DR. SHAPIRO: Yes. In that context I think
16 flexibility is really quite essential because, just to
17 take the example you gave, Alta, the importance of
18 time affects whether staging is a useful strategy or
19 not and that would differ -- but I agree in general.
20 Anyhow, let me go to the people who are on my list.
21 Carol and Diane?

22 Bernie, you are on the list.

23 DR. GREIDER: I like the idea of
24 incorporating some flexibility into the
25 recommendations and I think that Bernie really

1 articulated what my -- the trouble that I have with
2 this conclusion as it currently reads, and that is
3 that it dictates the science by saying that you have
4 to provide the established effective treatment because
5 there may be some scientific questions where you
6 cannot then use a different kind of trial and you
7 might not get anything valid out of it.

8 So I really -- I like the idea of
9 incorporating some flexibility in here.

10 DR. SHAPIRO: Diane?

11 DR. SCOTT-JONES: I just wanted to clarify,
12 Steve, what you were saying before. And the argument
13 that you were saying you are going to present, is that
14 ultimately going to be an argument for not doing the
15 research or an argument for doing the research and not
16 providing an established effective treatment to the
17 participants?

18 I was not clear what you were arguing.

19 MR. HOLTZMAN: I think that the paradigm case
20 with which this whole concept comes about, starts with
21 the notion that there is an effective treatment
22 available to people in the normal course of events,
23 such that, if you then put them in a research context,
24 it would be unethical to subject them to a risk of
25 harm which they would otherwise not be subject to.

1 When it is now extended into a context in
2 which the ordinary course of events would not have
3 them get the effective treatment, the question then
4 becomes whether or not there is a special obligation
5 to make it available to them because they are in the
6 research context.

7 The argument that is made here, is that,
8 because of the research ethics and the principle of
9 beneficence, in order to be able to be ethically
10 allowable to ask them to participate in the research,
11 this is a requirement. A question that I think is
12 reasonable to ask is that the requirement of asking
13 them into research, because there is a departure from
14 the paradigm case in which that requirement arose,
15 which is that you do not subject people to harms that
16 they would not otherwise be subject to.

17 That is the question I am asking. That is
18 the argument that needs to be made. It can be
19 rebutted and people with reasonable beliefs can
20 disagree about that. But simply throwing it out, the
21 way this seems to have done by starting with 1A, which
22 I think was a -- anyway, that is all I am saying,
23 Diane.

24 DR. SHAPIRO: Bernie?

25 DR. LO: One of the things that is very

1 difficult about these discussions is that we never go
2 back and sort of see how things evolve over time. So
3 I want to take you back to different points in time.
4 Right after the AZT, the ACTG 186 trial, the U.S.
5 trial that showed that full course AZT is effective in
6 preventing maternal to fetal transmission.

7 Would you say that it was established
8 everywhere in the world or just in countries like the
9 U.S.? Was it unethical, in other words, to do the
10 first Thai study that was trying to do a shorter
11 course compared to placebo? Or would we say, no, it
12 was already established because you could do it in the
13 U.S.?

14 There were considerations about different
15 viral loads, -- you know, other delivery issues.

16 The next question is after the Thai study was
17 done, so short course in Thailand is better than
18 placebo, that is in a nonbreast feeding population.
19 Okay. Do those -- is any form of AZT, short course or
20 long course, established therapy in a breast feeding
21 population?

22 You know, Peter Lurie said, "We will say
23 absolutely. It is unethical not to give them some AZT
24 because you know it works."

25 Other people would say you do not know that.

1 That we know that HIV is transmitted. You could wipe
2 out all the effective benefit by the breastfeeding and
3 you could be subjecting moms and babies to risk.

4 It turned out one of the African studies
5 showed that the combination of AZT and 3TC actually
6 causes very rare fatal mitochondrial encephalopathy in
7 the kids. Now you would not have known that if you
8 had just assumed that this was effective therapy.

9 So I think that now in retrospect because we
10 know that the placebo study was done, no one -- you
11 cannot scientifically say that it is an open question
12 whether antiretroviral therapy in a breast feeding
13 population works. It clearly works in a variety of
14 Sub-Sahara and African situations.

15 But can you have said that before that study
16 was completed? And as different studies started
17 coming in, there probably was a time when studies
18 should have been stopped earlier based on the results
19 of other studies.

20 So what makes this difficult is that we have
21 information now that was not available, and I think,
22 you know, what bothers me is that it is so easy to
23 point fingers in retrospect.

24 I think what we want to say is this sort of
25 discussion should have taken place before the study

1 was designed, before it was implemented at the first
2 DSMB meeting, assuming there is a DSMB meeting, and
3 not only after the results were published.

4 And I do not know if we really want to go
5 much beyond that, which then gets us in the position
6 of trying to say, you know, what is a legitimate
7 scientific disagreement and what is blatantly
8 unethical conduct. But I think we have information
9 now, that was not necessarily available to people
10 planning the study or conducting the study, and that
11 is what makes this so treacherous.

12 This phrase "effective and established"
13 bothers me because, I would like to see us, not in the
14 publication, but just think through for ourselves, can
15 we agree at what point, long course or short course
16 AZT was established and effective in Sub-Sahara in
17 Africa.

18 DR. SHAPIRO: As I understand, one of the
19 things you are saying, Bernie -- I just want to
20 clarify it for myself so I can think it through more
21 carefully -- is that if you are going to use a term
22 like "established and effective," deciding whether it
23 is effective is an extremely sophisticated, subtle and
24 very often demanding thing, over which reasonable
25 people could disagree at various points in time.

1 DR. LO: And which has a lot of values that
2 has much to do with considerations of risk and
3 uncertainty and priorities as is a matter of
4 statistics.

5 DR. SHAPIRO: Yes.

6 DR. LO: I think my main point is that I want
7 to see that discussion as broad as possible, and
8 involving as many stakeholders in the host country as
9 possible.

10 That is probably more important than trying
11 to sort out the exact conditions under which something
12 is really unethical versus just sort of ethically
13 troublesome.

14 DR. SHAPIRO: Larry?

15 DR. MIIKE: First, I want to apologize to
16 Alex for stretching this discussion before he can get
17 on to his topic but it seems that in previous meetings
18 I thought we had come to a conclusion that there would
19 be certain principles that we would stick to and even
20 if it meant the research could not be done in a
21 country.

22 We seem to be backing off on that. Maybe
23 this is not the appropriate example but I thought we
24 had forcefully said that. We may still be looking
25 for whatever we would back up on that.

1 But I just wanted to remind the group that we
2 had made a decision and this particular discussion
3 says, well, you know, now it seems to me it is sort of
4 like the research design will influence whether we
5 will -- what our ethical principle is going to be, to
6 put it starkly, and that bothers me a bit.

7 Because we are also approaching that from
8 another side which is the suggestion by Ruth and Alice
9 that we dispense with standard of care and move to
10 some other criteria. I, for one, would not want to go
11 back to the standard of care definition for reasons
12 that have been stated.

13 And then, third of all, in countering the
14 what I thought we had agreed on in the past, which was
15 that there might be some principles that we feel so
16 strongly about that, even if it meant no research,
17 that is tough in a particular country. Is our
18 discussion that what we are saying here is not
19 absolute? It is sort of like what I call the default
20 or prima facia or assumption.

21 But I look at that from a purely practical
22 angle. I do not think anything that we say here can
23 have that rigorousness and that absoluteness in terms
24 of what would be going on in these countries.

25 Again I would state that it is the force with

1 which we say where the ethical direction should be
2 heading from the report that we have rather than
3 trying to impose an absolute which I know would always
4 fail in doing it.

5 So I think we are sort of talking around and
6 around and around because we had made a decision that
7 we would like some specific suggestions rather than
8 waiting towards the end and so we are getting into
9 these specific conclusions without the context of the
10 whole report as Ruth has said many times.

11 So I guess that is the tradeoff that we have
12 had. Now we are discussing specific things but we are
13 lacking the context. Whereas before we had the
14 context and nothing specific.

15 DR. SHAPIRO: Alex?

16 PROF. CAPRON: Well, if Alta had a convoy of
17 trucks, I have a gaggle of questions.

18 On this question that we have just been
19 talking about, I want to raise a different aspect of
20 what I recall from some of our earlier discussion, and
21 ask whether it has a place here, and whether it is
22 here and I do not see it.

23 I had thought -- and this is particularly
24 relevant, I think, to what Steve is going to write up
25 -- that one of the arguments that was raised was not a

1 beneficence argument but a deterrence against
2 exploitation argument, which is not the same thing.

3 And the argument was that, we did not want to
4 have a situation in which facing large research costs
5 someone says, "I will go and do the study in the place
6 where the underlying level of care is the lowest and,
7 therefore, I have to do the least."

8 And the insistence that, no, you would have
9 to bring in the effective established treatment to
10 that situation, removes the incentive to look for the
11 poorest country or the least level of care in
12 selecting where you are going to do your studies.

13 Now that is a deterrence argument.

14 It, of course, plays into the question of why
15 it would be unethical, even with consent, to do the
16 study in this country once the effective level of care
17 has been established in a certain place. And that
18 goes back, Arturo, to the paternalism argument.

19 I mean, we say even if a group of women could
20 be persuaded that this other treatment might turn out
21 to be just as good and be a lot less burdensome as
22 well as a lot cheaper, we could not allow it to be
23 studied here somehow. I am not sure whether that is
24 an accurate statement but I gather that was the
25 perception at the time.

1 So I hope that somehow that can get back into
2 the discussion around page 35 and thereafter.

3 DR. MACKLIN: Can I just ask --

4 PROF. CAPRON: Yes, please.

5 DR. MACKLIN: -- Alex --

6 PROF. CAPRON: Maybe -- is it there?

7 DR. MACKLIN: No. Let me just ask if that --
8 if this is the appropriate place -- and what I mean is
9 this chapter is entitled "Choosing a research design."
10 What you raise is a critically important question.

11 We have discussed it. It is going to come
12 into this report but I do not think the context here
13 is the right place for it. In other words, it is not
14 the choice of research design. It is the choice of a
15 country. I mean, when you are saying it is an
16 incentive --

17 PROF. CAPRON: Well -- but I gather it is at
18 this point on page -- where we say the principle
19 beneficence, blah, blah, blah, entails an obligation
20 to provide an established effective treatment.

21 I mean, it seems to me at least a cross
22 reference to the notion that establishing that
23 standard removes what would otherwise be an incentive
24 to do the study in the country where you would have to
25 provide the least.

1 I mean, part of it is the choice of doing it
2 abroad, rather than here, and I gather part of that
3 argument is a research design which asks people to
4 give up an effective treatment for a life-threatening
5 disease, in favor of an unproven treatment, which on
6 its face is designed to be no better than what they
7 are getting now but may be cheaper or less burdensome.

8 In this context it would have been a particular
9 problem.

10 And I just think if that is explored in
11 another chapter, fine. I just think this is a place
12 to cross reference it.

13 It becomes more of an issue, Ruth, if Steve
14 brings his language in here because his language would
15 say there is no obligation as I understand it. Then
16 you would have to say, "Well, wait a second. Once you
17 remove the obligation aren't you back on to the risk
18 of people selectively designing studies?"

19 To me it is part of the design. Okay.

20 The second question -- and this is for the
21 whole group -- was anyone else bothered by the
22 ordering of the material?

23 Maybe there were points from pages four or
24 five, whenever it is you get into the actual design
25 part of things, through to page 23 or 25 where there

1 are occasions to talk about standard of care or
2 occasions to talk about established effective
3 treatment.

4 But what I got at the beginning of the
5 chapter there is this, "Well, we are not going to use
6 this," and it is presented as though this is the
7 language we have chosen, but there is an ethical
8 argument behind that language.

9 And, by the way, I like your very brief but I
10 thought quite satisfactory, discussion of why we do
11 not want to use the phrase "standard of care." I
12 thought that would really handle the issue nicely.

13 But then I am sort of waiting for some
14 discussion of it and instead I am taken with all these
15 details about research design, all very important and
16 worthwhile, and underrated probably in the overall
17 literature on ethics, and then finally I get back to
18 the point at which these other issues become
19 pertinent.

20 And I thought maybe since you probably do not
21 want to put all the ethics in the front, maybe you
22 want to put the discussion of the terminology closer
23 to the point where you start using the terminology.

24 If I am wrong and that other language is used
25 in places I just missed in the intervening -- the

1 middle part of the sandwich, fine. But I thought that
2 if other people are bothered by that, you might take
3 that into account.

4 Point number three. On page 24 -- there is
5 just one small thing you talk about and it is this
6 issue that we were talking about in the other chapter.

7 You talk about the -- line 14, 13 and 14 and then the
8 point A on line 15, among the chief considerations
9 are: (A) The research is responsive to the health
10 needs of the host country.

11 This is a subtle question but I wonder if
12 what we mean is the health needs of the population.
13 The difference being that the health needs of the
14 population are something which scientists, medical
15 scientists, can make some conclusions about.

16 The health needs of the host country is a
17 political judgment it seems to me. Now we may mean
18 political judgment, but it seemed to me that, in terms
19 of scientific benefit, and this is really a statement
20 of the basic ethical consideration that there be
21 benefit, you were really more talking about the health
22 needs of the population.

23 That it is wrong to go to a group of people
24 and study them in a way which has nothing to do with
25 their collective health needs at all and it is one of

1 the arguments about, you know, not doing certain kinds
2 of cosmetic research on prisoners that they used to do
3 and putting cosmetics in their eyes like they were
4 rabbits or something because they were not going to
5 get any benefit from it or whatever.

6 Point number three -- and anybody who wants
7 to say, "Wait a second --" they want to discuss that,
8 I will shut up and we will have a discussion on the
9 point.

10 But point number three, on pages 32 and then
11 again on the point that is on page 34, 33, 34, you
12 have these statements about the voluntariness issue as
13 it relates to the inducement that is offered.

14 Let's look at the one that is on page 33, the
15 conclusion on 33, 34. The offer to provide members of
16 a control group with an established effective
17 treatment that is unavailable outside the trial does
18 not constitute, flat statement, does not constitute an
19 undue inducement to participate in the trial and is,
20 therefore, ethically acceptable.

21 I believe that that depends on what are the
22 risks of the trial. I mean, I can imagine a situation
23 in which it would be ethically unacceptable because
24 what you are offering people, the chance to get
25 penicillin to treat their child's pneumonia, which is

1 otherwise fatal, is so desirous to them that they will
2 agree.

3 But what you are asking them to do is so
4 extremely risky in consequence, that it is not
5 ethically acceptable. That really is the undue
6 inducement. Whereas, if there is a closer
7 proportionality between what you are offering them and
8 the degree of risk they are taking then I think it is
9 right to say that it is ethically acceptable. That
10 is one issue.

11 The other issue is whether it is mostly
12 hinged on the voluntariness, which is the conclusion
13 on page 32, or whether it is an objective statement
14 about that relationship.

15 In other words, the question is not that you
16 are overriding the voluntariness, that it is wrong to
17 put people in that, even if they would knowing what is
18 at stake, voluntarily go forward. That is to say, it
19 does not amount to a gun to their head but it is wrong
20 for all the reasons of beneficence for a researcher to
21 put a person in that situation.

22 I just ask that you consider adding some
23 notion of proportionality there.

24 Finally --

25 DR. MIIKE: Alex, can I just comment on what

1 you just said?

2 PROF. CAPRON: Yes, please.

3 DR. MIIKE: I do not follow that argument
4 because what is the case if you do not offer them the
5 treatment -- the established effective treatment? You
6 would be left with an unethical experiment where the
7 risk is large already. So I do not see that
8 proportionality argument about balancing the degree of
9 risk.

10 PROF. CAPRON: Well, I mean, in the situation
11 that you pose, I gather the argument would be that
12 that research should not go forward because simply the
13 risk is too great.

14 This statement focuses on the question of
15 whether we should ever be concerned that the offer of
16 good care will induce people to do something where it
17 is wrong to have asked them to do it and it seems to
18 me that the wrongness, or conversely the acceptability
19 of that, is influenced by whether or not what you are
20 asking them to do is in proportion to the good that
21 you are offering them in the process.

22 I mean, the whole argument after all -- no
23 one offers someone a \$1,000 for a simple blood draw.
24 They offer them \$1,000 for going into a -- you know,
25 one of those oxygen compression chambers or something

1 where there is some chance of actual injury, let us
2 say, some brain injury or something.

3 And we say, "Well, if that is really very
4 risky, at some point it seems wrong to offer them --"
5 you know, "I will give you \$10,000. I will give you
6 \$100,000. You know, go do this." Say, "Wait a
7 second, that is not -- that is research which is too
8 risky." The very offer that you are giving them is an
9 indication that that is too risky.

10 Here we are dealing with something which on
11 its face does not have that characteristic. It is
12 established effective treatment that is being given to
13 people in this country. Our concern is if nothing
14 like that is available to the people in the other
15 country where the research is going to be done, is it
16 wrong to offer it? And on the face of it, we would
17 say no.

18 But again I would say, "Well, but if you are
19 putting them to some very large risk then I think it
20 is wrong to offer it."

21 DR. MIIKE: But I am just -- I just cannot --
22 I cannot conceive of an experimental design where that
23 would come up given the degree of risk that you are
24 worried about.

25 DR. MACKLIN: I agree with what Larry is

1 saying entirely. Let me put it slightly differently.

2 Even before you get to this point, let's
3 assume that the well-constituted research ethics
4 committee, the IRB, has to look at the risk/benefit
5 ratio. They justify the research on the grounds that
6 the risks are reasonable in light of the benefits to
7 the subjects or others. Even if the risk is high,
8 they have got to determine that the risk is
9 reasonable.

10 So it has already been established that the
11 risk is not too great a risk to subject people, so the
12 question is what then does providing the established
13 effective treatment -- what more does it do to create
14 a problem of inducement than the very fact that you
15 have that risk? It has already been decided that the
16 risk is not too great to carry out the trial and that
17 was done precisely because whatever benefits were
18 there justified the risk.

19 So again I cannot conceive -- I mean, I am
20 right with Larry on this one. I cannot see what more
21 you --

22 PROF. CAPRON: Okay. Let me -- on that one I
23 will try to work out something for you because it is
24 not -- and if, what I try to do does not work because
25 the safeguard is already built in, then I will agree.

1 The final question that came up from Dr.
2 Pape's testimony this morning, the situation that he
3 described where he was unable to participate in a
4 research trial in Haiti on the effects of a drug that
5 was being given for TB, which was not approved for use
6 in the United States.

7 I just wonder as a factual matter and
8 then, depending on what the answer is, as an issue for
9 us to examine, is that generally true? That is to say
10 that, if a U.S. researcher has set up a collaborative
11 relationship with someone abroad and that researcher
12 says, "I think we should study X, Y, Z," that the U.S.
13 researcher cannot be involved in the research if it is
14 a substance which is not approved in the U.S.? No?

15 DR. SHAPIRO: I think that was a case of the
16 sponsor having the rule, right.

17 PROF. CHARO: He did not give us enough facts
18 to be able to sort it out. There were questions. Was
19 there an IND or not for that drug? What were the
20 Cornell rules?

21 DR. NEIBERG: I am Phil Neiberg. I am
22 currently a visiting scholar at the University of
23 Virginia but actually am a CDC employee. My
24 understanding of this issue is that an IND is required
25 if an investigator will eventually wish to use the

1 data for marketing purposes in the United State but
2 that there is no primary obligation to have an IND in
3 place for an investigator to study a drug some place
4 else.

5 PROF. CAPRON: So that whatever the problem
6 he was describing, he misunderstood the objection of
7 Cornell or Cornell raised an inappropriate --

8 DR. NEIBERG: There is a popular
9 misconception about this. I think a lot of IRBs
10 misunderstand the regulations. We have had to clarify
11 it a number of times for international research about
12 what -- for drugs -- for issues -- interventions where
13 there was no intention to use it in the United States.

14
15 In talking with the FDA, their point is, if
16 you do not want to use this intervention in the United
17 States, if you do not plan to submit a proposal, then
18 -- we are not interested in having an IND for it.

19 PROF. CAPRON: Well, given -- if part of what
20 we always are looking at as our audience are IRBs and
21 if, as you put it, this is a popular misconception or
22 misunderstanding, then perhaps somewhere we should
23 note it as a problem if other people -- in a
24 circumstance --. I gather that he was pleased that
25 eventually the research was done in another country

1 and the result was to show that this was a drug you
2 should not be using on AIDS patients because it had
3 this or that incidence of this undesirable side
4 effect. I assume that there is some other drug that
5 could be used for TB that did not have that
6 consequence.

7 DR. NEIBERG: Yes, there are alternative
8 drugs. I agree this is something that would be useful
9 for you to have a clarification from the FDA so it
10 gets into the public record.

11 PROF. CAPRON: Okay. Thank you.

12 DR. SHAPIRO: Thank you.

13 Diane?

14 DR. SCOTT-JONES: I had a comment to Alex's
15 first point and so I hope I can remember it from the
16 notes that I took.

17 Alex was responding to the conclusion and
18 recommendation on page 36 and he talked about what
19 would deter a researcher from going to the very
20 poorest country to conduct a study.

21 And I believe Ruth responded by saying that
22 that issue did not really belong in this chapter and I
23 wanted to suggest that the issue of the choice of
24 country might fit very nicely on page 23 under the
25 heading of the population.

1 As written, that really does not make any
2 specific comments on doing research in an
3 international context. It just talks about how you
4 would choose participants for a study.

5 And I think Alex's point about --his more
6 general point about how a researcher chooses a
7 country, and thus a population for a study, really
8 would fit very well here.

9 And I would also like to say that I like very
10 much the language that is used here. The word
11 "participants" is used instead of subjects. I think
12 that is very much preferable throughout to use the
13 word "participant" instead of subject.

14 But my bigger point was that I think what
15 Alex talked about, about choosing a population or a
16 country would fit very nicely there in that section.

17 DR. SHAPIRO: I think one of the issues you
18 raised, Alex, was, I think, imagining a case where
19 somebody went somewhere because it was the least
20 expensive place to do it or some vocabulary to that --
21 and you wanted a deterrent against that.

22 I have been trying to work exactly that issue
23 through my mind and I have not succeeded yet. But I
24 started off with a bias only an economist would have,
25 which would say, "Well, you know, what is wrong with

1 that?" I mean, you know, we make sneakers in Shanghai
2 instead of Peoria or something.

3 PROF. CAPRON: But we do not want sweat
4 shops.

5 DR. SHAPIRO: Yes, I understand. And so it
6 cannot be simply that it is the least expensive. It
7 has to be something else that is there. But I was not
8 sure that I understood what you said.

9 PROF. CAPRON: But, you know, what I was
10 trying to say was, -- suppose we were to be convinced
11 by Steve that his basic version of the recommendation
12 was the -- or conclusion was the right one, not the
13 one that is here. Then I think we need to address the
14 issue which would be now that we have removed any
15 requirement, any obligation --

16 DR. SHAPIRO: I agree with that.

17 PROF. CAPRON: -- what is to keep people from
18 doing that.

19 DR. SHAPIRO: That is right.

20 PROF. CAPRON: I think in chapter 4 we may
21 talk about -- this issue of researchers -- if we
22 create an obligation to provide after care -- say,
23 well, if it goes to the country, I am going to pick
24 the smallest country around because that will be the
25 best way -- better -- you know, better Malawi than

1 Zaire or some other large population.

2 DR. SHAPIRO: Okay.

3 PROF. CAPRON: So I mean these issues come
4 in. I think we can live with that version but the
5 notion that you would seek the country in which the --
6 now I am trying to avoid the word "standard of care"
7 but the level of care there is the most basic and
8 primitive so you can go in and say that is the
9 placebo, now I am just doing it --

10 DR. SHAPIRO: I understand that.

11 PROF. CAPRON: Isn't that an argument? I
12 mean, it is precisely because the economic incentive
13 would be in that direction that the morals operate as
14 a limit on --

15 DR. SHAPIRO: Right. So you have to specify
16 whatever moral constraints you want.

17 PROF. CAPRON: Right.

18 DR. SHAPIRO: I agree with that.

19 PROF. CAPRON: And you do not do that simply
20 on the basis of beneficence but keeping people from
21 acting on their economic incentive.

22 DR. SHAPIRO: Solely on that.

23 PROF. CAPRON: Solely on that. Solely on
24 that, yes.

25 DR. SHAPIRO: Okay. There are a number of

1 people who want to speak now.

2 Rhetaugh, then Diane, then Steve.

3 DR. DUMAS: No, I do not have anything.

4 DR. SHAPIRO: I am sorry.

5 DR. DUMAS: I was just exercising my arms.

6 (Laughter.)

7 DR. SHAPIRO: Thank you.

8 Diane, then Steve.

9 DR. SCOTT-JONES: This is just a brief
10 follow-up. I just want to try to say again that this
11 is very much a design issue, how you choose the place
12 you go to do the study. For some people it is because
13 you met someone from that country or you have a former
14 student who is in that country. But it really should
15 be a design issue and there should be a strong
16 rationale for choosing that particular country, and I
17 think it should be addressed here.

18 DR. SHAPIRO: Okay.

19 Steve?

20 MR. HOLTZMAN: I agree there should be a
21 discussion about -- just as we have talked in the past
22 about not going IRB shopping, not going country
23 shopping. However, just for what it is worth from a
24 realistic point of view, Alex, if it cost me \$10,000
25 per subject in a clinical trial, the test article, be

1 it the accepted candidate, is probably 10 bucks. That
2 is not going to be the driver of choosing a country.

3 MR. CAPON: But in the kinds of cases that we
4 are talking about, from what I have understood, that
5 really is not the issue. I mean, if you could provide
6 no care as the standard of care versus bringing in
7 generators to run refrigerators, having a whole
8 squadron of nurses, purifying water so that the
9 formula can be given, get the women off breast feeding
10 and into formula feeding, you are talking --

11 MR. HOLTZMAN: That is a different --

12 PROF. CAPRON: -- you are talking about a
13 huge difference --

14 MR. HOLTZMAN: -- that is a difference.
15 Okay.

16 PROF. CAPRON: -- in the cost of running a
17 control group.

18 MR. HOLTZMAN: Okay. If you are putting in
19 all that. I am just saying -- let's be clear on the
20 cost of the actual test article and the drug itself.
21 If you are the manufacturer, it is next to nothing
22 compared to the cost of the trial.

23 DR. SHAPIRO: Eric?

24 DR. MESLIN: I just wanted to pick up on a
25 conversation that Bernie Lo and I had at a break and

1 ask whether he is prepared to say a bit more about it
2 for the commission's benefit. It relates to his
3 concern about the relationship between ethics and
4 science in choosing a research design.

5 It occurred to me that hearing Alex's
6 comments about putting some of the ethics a little
7 earlier, that somewhere around page 3 preceding the
8 section that begins on line 12, research design
9 methodology, might be the place, Bernie, a discussion
10 about equipoise and some of the literature that comes
11 from the philosophy of science, and elsewhere about
12 the relationship between scientific validity and
13 scientific value, might be helpful.

14 I do not know whether Alex and Bernie would
15 agree to that but I thought your comments at the
16 coffee table were very helpful and that might be a
17 place to put that issue.

18 DR. LO: I think it would be good to move the
19 ethics sort of higher up and give it more prominence
20 because I think the audiences that are going to read
21 this, a lot of them will -- I mean, very few people
22 really understand the ethics. A lot of people think
23 they do but that is what they need to learn.

24 I think a lot of the epidemiology depends on
25 what background --

1 [Background noise.]

2 (Laughter.)

3 PROF. CAPRON: Turn your telephone back on.
4 It is quieter.

5 (Laughter.)

6 DR. CASSELL: It was not a commentary under
7 discussion, Alex.

8 (Laughter.)

9 DR. SHAPIRO: Okay. Bernie, I am sorry. I
10 apologize.

11 DR. LO: There is a fairly thoughtful
12 discussion actually mostly in the epidemiology about
13 how you decide when something is proven effective.
14 Actually, without necessarily using the ethical
15 terminology, they really discuss where reasonable
16 people might disagree. You know, Alvin Feinstein has
17 very nice discussions over fastidious people who say,
18 "The study has to be done in patients exactly like my
19 patient," and others say, "Well, my patients are kind
20 of different from the patients of that study but they
21 are not so different that the conclusions do not
22 apply."

23 There are cultural differences. The
24 Americans tend to be much more rigid about how similar
25 the study -- the population of study is to the

1 population you are going to extend it to. Whereas,
2 the European say, "That is silly. Just include
3 everybody in your study. Get 10,000 patients. Do the
4 study real quick with simple endpoints and you know it
5 generalizes to everybody."

6 Whereas, the Americans do it with such a
7 selective group of people, they do not really know it
8 applies to most people in a population.

9 You know, there are implicit ethical
10 arguments there about how you value different types of
11 information, -- how you weigh evidence and what degree
12 of certainty you want. And it seems to me those all
13 are sort of ethically, you know, very loaded and rich
14 concepts.

15 DR. SHAPIRO: Thank you.

16 Eric, is there anything else?

17 DR. MESLIN: No.

18 DR. SHAPIRO: Any other comments this
19 afternoon before we adjourn?

20 We reassemble tomorrow at 8:00 o'clock. We
21 have a second day syndrome which seems to mean 8:00
22 o'clock means 8:30.

23 DR. MESLIN: This time we cannot do that
24 because we have guests at 8:10.

25 DR. SHAPIRO: I was about to say. We have

1 guests early so just in view of their accommodating
2 our schedule, I would ask you to be here as soon as
3 you can.

4 Thank you very much. We are adjourned for
5 today.

6 (Whereupon, at 4:51 p.m., the proceedings
7 were concluded.)

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