

# **Exhibit 27**

JOHN G. BARTLETT, M.D.

September 5, 2007

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UNITED STATES DISTRICT COURT

NORTHERN DISTRICT OF CALIFORNIA

THE BOARD OF TRUSTEES OF THE :

LELAND STANFORD JUNIOR :

UNIVERSITY :

Plaintiff :

v. : Case No.

ROCHE MOLECULAR SYSTEMS, et al: C 05 04158 MHP

Defendants :

\* \* \* \* \*

ROCHE MOLECULAR SYSTEMS, et al:

Counterclaimants :

v. :

THE BOARD OF TRUSTEES OF THE :

LELAND STANFORD JUNIOR :

UNIVERSITY; THOMAS MERIGAN; :

AND MARK HOLODNIY :

Counterclaim Defendants :

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Deposition of JOHN G. BARTLETT, M.D.

Baltimore, Maryland

Wednesday, September 5, 2007

3:19 p.m.

Job No.: 399424

Pages: 1 - 59

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1 A Okay.

2 Q Also, if any of my questions are not clear,  
3 please let me know and I'll try and rephrase, or if  
4 the question is lost, I have access here and I will  
5 restate it pretty quickly as well if that's needed.

6 A Fine.

7 Q Also if you need to take a break at any  
8 time, just let me know and we'll get that done as  
9 well. I may need breaks myself on a fairly regular  
10 basis.

11 MR. CANNON: Just let us know if you need a  
12 break.

13 THE WITNESS: Yes, I will.

14 Q Any questions?

15 A No.

16 Q Where are you currently employed?

17 A Johns Hopkins University.

18 Q And what is your position?

19 A I'm Professor of Medicine in the Department  
20 of Medicine in the Division of Infectious Disease.

21 Q How long have you been at Johns Hopkins?

22 A 1980 to the present.

23 Q Where were you before that?

24 A Tufts University School of Medicine.

25 MR. DAMSTEDT: I'd like to mark as the next

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1 in order the Declaration that was filed. It's titled  
2 the Declaration of John G. Bartlett, M.D. in support  
3 of Roche's Responsive Claim Construction Brief.  
4 (Exhibit No. 700 was marked for identification  
5 and was attached to the transcript.)

6 MR. CANNON: I note for the record that this  
7 Exhibit does not contain the attachments that were  
8 filed along with it.

9 A (Reviewing.)

10 BY MR. DAMSTEDT:

11 Q Have you had a chance to review the  
12 document?

13 A Yes, I have.

14 Q Is it the Declaration that was filed on your  
15 behalf?

16 A Yes, it is.

17 Q If you could turn to Paragraphs 7 to 11, do  
18 those paragraphs recite your qualifications?

19 A (Reviewing.)

20 Yes, I think they do. If I was going to  
21 make any additions to what is here, it would be that I  
22 founded the AIDS service at Johns Hopkins in 1983, and  
23 am the Director of the AIDS Service at Johns Hopkins,  
24 and I am not sure that that information is here.

25 Q Great. Appreciate it. In Paragraph 11 it

Page 8

1 says -- I'm going to just read a sentence here. It's  
2 the last sentence, Paragraph 11. It says, I have  
3 received a number of honors and awards in connection  
4 with my medical career, as well as my research and  
5 treatment of HIV patients, including the 1992 Medical  
6 Writers Association Award for Best Medical Book (Guide  
7 to Living with HIV Infection, Johns Hopkins University  
8 Press), the 1993 HERO Award for AIDS Patient Care for  
9 1983 to 1993, and the 2005 Alexander Fleming Award for  
10 Lifetime Achievement by the Infectious Diseases  
11 Society of America.

12 Did I read that correctly?

13 A Yes.

14 Q Do you have any other awards?

15 A Yeah. I have the Max Finland Award for  
16 Lifetime Achievement from the Infectious -- the  
17 National Foundation for Infectious Disease. I think  
18 that's it.

19 Q Great. So this is not a comprehensive list  
20 of the awards you have. It's just a sampling --

21 A No --

22 Q -- right?

23 A -- but it's hard to know when to draw the  
24 line.

25 Q Great. Have you had your deposition taken

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1 before?

2 A Yes, I have.

3 Q How many times?

4 A In the last 15 years, perhaps twice.

5 Q Okay. What types of cases were those?

6 A Clostridium difficile-associated colitis,  
7 and I think both cases involved that complication.

8 Q Were you testifying in those cases as an  
9 expert or a fact witness?

10 A An expert.

11 Q Have you ever been involved in a patent  
12 case?

13 A No.

14 Q Is there any reason today that you cannot  
15 give true and accurate, complete and truthful  
16 testimony?

17 A No.

18 Q Are you taking any medications that would  
19 impair your ability to give complete and truthful  
20 testimony?

21 A I'm taking medications; none that would  
22 impair me. I'm on things like Lipitor.

23 Q I understand you've been engaged by Roche to  
24 serve as an expert; is that correct?

25 A Yes.

3 (Pages 6 to 9)

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1 Q Do you have an opinion as to what level of  
2 skill is ordinary in that field?

3 A Well, it's not really officially defined by  
4 anyone, and it's not a field in which I would claim  
5 expertise, and perhaps that means that I'm not the  
6 right person to make the definition. I can -- I can  
7 try if you want me to.

8 Q Sorry, I have --

9 A My -- I mean you have to be able to do it.  
10 You have to have experience with it.

11 Q So in your Declaration, in Paragraph 30 you  
12 state, with respect to the development and use of PCR  
13 techniques, I agree with Roche's statement that a  
14 person of ordinary skill in the art would have a  
15 medical or graduate degree in biochemistry or a  
16 related field and at least two years of relevant  
17 laboratory bench experience conducting PCR assays.

18 Did I read that correctly?

19 A I was just going to say the same thing,  
20 yeah.

21 Q What is the basis for that opinion?

22 A Well, it -- it makes sense. It's a highly  
23 technical field, and it -- it would seem that if  
24 you're going to try to define it, that would be  
25 reasonable.

Page 23

1 Q Have you ever conducted laboratory bench  
2 experiments using PCR?

3 A No.

4 Q Have you ever supervised anyone --

5 A No.

6 Q -- conduct -- sorry. Let me finish my  
7 question.

8 A I'm sorry.

9 Q Have you ever supervised anyone conducting  
10 laboratory bench experiments using PCR?

11 A No.

12 Q Going back just a second to the patient  
13 care --

14 A Yes.

15 Q -- field of art. Is the definition you gave  
16 me the definition that would apply today, or the  
17 definition that would apply in 1992?

18 A Today it's official.

19 Q Do you have a definition of the level of  
20 skill in the art for a person of ordinary skill in  
21 1992?

22 A There were definitions at that time, but  
23 none that were agreed on. That would be hard for me  
24 to do it.

25 Q So sitting here today, you do not have an

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1 opinion as to the level of ordinary skill of a person  
2 in the field of art of patient care in 1992; is that  
3 correct?

4 MR. CANNON: Objection. Lacks foundation.  
5 Misstates testimony.

6 A Well, you changed the phraseology a little  
7 bit.

8 Q Okay.

9 A You said -- I thought the first question was  
10 to define it, and the second was do I have an opinion  
11 about it. And I can have an opinion, but what I gave  
12 you the first time was, was an officially-reviewed  
13 consensus statement, and we don't have that for 1992.

14 Q Okay. Well, what is your opinion?

15 A For 1992 it would probably be a physician  
16 who had experience in primary care infectious disease  
17 or infectious disease as a background and experience  
18 with HIV-infected patients, but that's not official.

19 Q And is that description or opinion as to the  
20 level of skill of a person of ordinary skill in the  
21 art stated anywhere in your Declaration?

22 A No.

23 Q Continuing on with your Declaration,  
24 Paragraph 39.

25 A Yes.

Page 25

1 Q Okay. The first sentence reads,  
2 antiretroviral agents are drugs that are effective in  
3 reducing or stopping replication of retroviruses.

4 Did I read that correctly?

5 A Yes.

6 Q Is that your understanding as to what the  
7 words antiretroviral agent meant to a person of  
8 ordinary skill in 1992?

9 MR. CANNON: Objection. Lacks foundation.

10 A Yes.

11 Q And you used that term in 1992, correct?

12 A I don't know.

13 Q Was that a term with which you were familiar  
14 in 1992?

15 A Yes.

16 Q Persons of ordinary skill in the art still  
17 use antiretroviral agent, that term in the same way  
18 today; is that correct?

19 MR. CANNON: Objection. Lacks foundation.

20 A I think the concept is the same. The field  
21 is so much different.

22 Q So is it your opinion that the words  
23 antiretroviral agent mean the same thing today that  
24 they did in 1992, but that there are new  
25 antiretroviral agents and new ways of using

7 (Pages 22 to 25)

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1 antiretroviral agents today?

2 MR. CANNON: Objection. Misstates  
3 testimony. Object to the form of the question.

4 A I think the fundamentals are the same. The  
5 nuances are probably different.

6 Q In your view, do -- in your opinion, excuse  
7 me, do the patents and prosecution history use the  
8 term antiretroviral agent consistent with the meaning  
9 of antiretroviral agent that we have just been talking  
10 about?

11 MR. CANNON: Object to the form of the  
12 question.

13 A I'm not sure that I can answer questions  
14 about the patent part of this.

15 Q I'm sorry, I missed the last part.

16 A I'm --

17 Q You are not sure --

18 A I can answer questions about the patent part  
19 of this. I don't know enough about patents.

20 Q Have you read through the patents?

21 A Yes, I did.

22 Q Did you read through portions of the  
23 prosecution history?

24 A Yes, I did.

25 Q Was there anything in the patents or the

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1 prosecution history as you were reading through it  
2 that used the term antiretroviral agent in a way that  
3 was inconsistent with the definition you gave just a  
4 moment ago?

5 A I don't remember.

6 Q Turning back to that sentence in Paragraph  
7 39 --

8 A Yes.

9 Q -- the first sentence, you say  
10 antiretroviral agents are drugs. What do you mean by  
11 the word drugs there?

12 A Well, I guess drugs are synonymous with  
13 medications.

14 Q Are you restricting antiretroviral agents to  
15 only FDA-approved medications in that sentence?

16 A No. No.

17 Q Would it be fair to say that antiretroviral  
18 agents are substances that are effective in reducing  
19 or stopping replication of retroviruses?

20 MR. CANNON: Object to the form of the  
21 question.

22 A I think there needs to be a distinction  
23 between the word substance and drugs.

24 Q Okay. What is that distinction?

25 A Well, drugs are medications that can be

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1 given to patients. A substance could be acid.

2 Q So by drug or medication, you're referring  
3 to something that could be given to a person?

4 A I think so, yes.

5 Q In Paragraph 39 you also use the phrase  
6 reducing or stopping replication of retroviruses?

7 A Yes.

8 Q Is this statement limited to any specific  
9 step in the replication cycle or does it include all  
10 the steps, such as fusion, reverse transcription,  
11 integration, et cetera?

12 A It can apply to any step in the process.

13 Q Persons of ordinary skill in the art in 1992  
14 knew of the different steps in the replication cycle  
15 of HIV; is that correct?

16 A I think they knew most of them, yes.

17 Q Okay. Which steps were not known by persons  
18 of ordinary skill in the art in 1992?

19 A I don't know.

20 Q Persons of ordinary skill in the art in 1992  
21 also understood that stopping or inhibiting any of the  
22 steps in the replication cycle could reduce or stop  
23 replication of HIV; is that correct?

24 A Yes.

25 MR. DAMSTEDT: Handing to the Court Reporter

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1 an article titled Antiretroviral Therapy of Human  
2 Immunodeficiency Virus Infection: Current Strategies  
3 and Challenges for the Future.

4 (Exhibit No. 703 was marked for identification  
5 and was attached to the transcript.)

6 BY MR. DAMSTEDT:

7 Q Please take a moment to look through the  
8 document, and I'm going to point you to Table 1  
9 eventually.

10 MR. CANNON: Take your time and read what  
11 you need to read, but then he'll ask you follow-up  
12 questions.

13 A (Reviewing).

14 Q Okay. Have you had a chance to review the  
15 document?

16 A Well, I've looked at Table 1.

17 Q Are you familiar with any of the authors of  
18 this article?

19 A Sam Broder -- well, I'm sorry. The answer  
20 is that I know the names of three.

21 Q Okay. Who are those?

22 A I don't know them.

23 Q Who are those three?

24 A Robert Yarchoan, Sam Broder, and Mitsuya.

25 Q Now, turning to Table 1.

8 (Pages 26 to 29)

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1 A I'll say what I said before. Some would,  
2 and many would not. Clinical research is different.

3 Q Was it understood by people of ordinary  
4 skill in the art in 1992 that inhibiting protease  
5 could reduce or stop replication of HIV?

6 MR. CANNON: Object to the form of the  
7 question.

8 A Person of ordinary skill?

9 Q Yes.

10 A No.

11 Q And why not?

12 A Because protease is in a long list here.  
13 I've already said that the person that -- of ordinary  
14 skill in taking care of AIDS patients does not know  
15 this list -- need to know this list.

16 Q And that's because they're involved solely  
17 in patient care; is that your opinion?

18 MR. CANNON: Object to the form of the  
19 question.

20 A I didn't say they were involved solely in  
21 patient care.

22 Q Then why is it that a person of ordinary  
23 skill would not need to know the list of these steps  
24 of the HIV replication cycle?

25 A Because the person taking care of patients

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1 does not need to know the basic science of every  
2 disease they take care of.

3 Q Let's go to Paragraph 5 -- or excuse me,  
4 Paragraph 6 of your Declaration.

5 A (Complying), yes.

6 Q All right. Paragraph 6, the third sentence,  
7 I believe it says --

8 A Wait. I'm sorry, Paragraph 5 or 6?

9 Q 6. Excuse me.

10 MR. CANNON: 6.

11 A (Complying), okay.

12 Q The third sentence says, in May 1992 there  
13 were only a limited number of antiretroviral agents  
14 known to AIDS doctors and researchers, and an even  
15 smaller number that were both known and available.  
16 Did I read that correctly?

17 A Yes.

18 Q What is the difference between an  
19 antiretroviral agent being known and it being  
20 available?

21 A Known means that it has been in some part of  
22 the development of a drug, and available means that  
23 it's in drugstores.

24 Q Could you describe more precisely what you  
25 mean by it having been in some part of the development

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1 of the drug?

2 A There is a process for developing drugs that  
3 begins with the chemistry and then some -- I don't  
4 know if you want me to go through the whole process.  
5 It begins with the discovery of a chemical that  
6 usually, or often works in a test tube, and then is  
7 tested for safety in animals, and then is tested for  
8 pharmacology in people, and then is given to patients  
9 with a disease process, and then is put through a  
10 large therapeutic trial starting with Phase 1, Phase  
11 2, and Phase 3, and then presented to an Advisory  
12 Board to the FDA, and then approved or disapproved by  
13 the FDA, and then becomes part of the pharmacopeia.

14 Q Great. So those are all parts of the  
15 development process?

16 A Yes.

17 Q So in Paragraph 41 of your Declaration you  
18 say, protease inhibitors and HAART therapy were  
19 neither known or available for therapy until well  
20 after May 1992.

21 Did I read that correctly?

22 A Yes.

23 Q What is the basis for your opinion that  
24 protease inhibitors were neither known or available  
25 for therapy until well after May 1992?

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1 A Well, the phrase known -- I guess you'd have  
2 to say that protease, or the potential to inhibit  
3 protease was at least on a long list of drugs before  
4 that, but my statement of neither known is, really  
5 means what, what did we know about or hear in 1992 and  
6 when did those drugs become available.

7 My view is that protease inhibitors became  
8 known to my field about 1994 or 1995, and they became  
9 available in December of 1995 and early 1996.

10 Q Are you aware of any publicly available  
11 documents that describe protease inhibitors before May  
12 of 1992?

13 A Oh, there were publications that go back to  
14 the 1980s.

15 Q Okay. And what are those publications?

16 A I don't have them, but I can get them. You  
17 can get them in PubMed. Just type in protease  
18 inhibitor and it will give you a thousand citations  
19 and go back to the first. I think it's 1980.

20 Q Okay. And those would apply to HIV or  
21 those --

22 A Protease inhibitors in other -- no, it's  
23 before HIV.

24 Q So were there, to your knowledge,  
25 publications relating to protease inhibitors of HIV

10 (Pages 34 to 37)

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1 protease prior to 1992?  
 2 A Yes.  
 3 Q What is HAART therapy?  
 4 A The letters mean highly active  
 5 antiretroviral therapy.  
 6 Q Other than defining or spelling out what the  
 7 acronym means, can you describe HAART therapy more  
 8 generally?  
 9 A It refers to therapy using drugs that are  
 10 effective against HIV infection.  
 11 Q Okay. Are dietyoxy nucleicides (phonetic)  
 12 used in HAART therapy?  
 13 A Yes.  
 14 MR. DAMSTEDT: Is this a good time for a  
 15 break?  
 16 MR. CANNON: Sure.  
 17 THE WITNESS: Yes.  
 18 (Break taken.)  
 19 BY MR. DAMSTEDT:  
 20 Q I'd like to put before you the '730 patent  
 21 which was marked previously in the earlier deposition  
 22 as, I believe Exhibit 695.  
 23 Have you seen this document before?  
 24 A I've seen something like it.  
 25 Q What do you mean by that?

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1 A Well, I've seen these charts and graphs. I  
 2 don't know if it's this exact document.  
 3 Q Can you confirm that you have read the U.S.  
 4 Patent No. 5,968,730 before your deposition?  
 5 A Yes.  
 6 Q And is this a copy of what I'll call the  
 7 '730 patent?  
 8 MR. CANNON: Objection. The document is  
 9 what it is.  
 10 A Yes.  
 11 Q You reviewed this document before your  
 12 deposition, correct?  
 13 A Yes.  
 14 Q In reviewing this document, did you come to  
 15 an opinion as to what the field of art that is  
 16 described in this patent is?  
 17 MR. CANNON: Objection. Asked and answered.  
 18 A You're going to have to break it down. The  
 19 art of what? The art of? You're using that term art  
 20 again, and I am upset about that because it's not a  
 21 phrase I use.  
 22 Q Did you come to an opinion about the field  
 23 of art that is described in the patent?  
 24 MR. CANNON: Objection. Lacks foundation.  
 25 A The art of PCR? Of patient care? Of --

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1 Q Well, that's the question for you. Did you  
 2 come to an opinion as to what field of art was  
 3 described in the patent?  
 4 A No.  
 5 Q So your opinions in your Declaration were  
 6 not based on any understanding or opinion as to what  
 7 the field of art in the patent was; is that correct?  
 8 MR. CANNON: Objection to -- object to the  
 9 form of the question. Lacks foundation.  
 10 A I'm not sure exactly how to answer your,  
 11 your question. You're asking about art, and that's  
 12 where I'm having trouble. What do you mean by art?  
 13 Q The area of science, and that's what I would  
 14 mean. What do you mean by art? Do you have a  
 15 definition that you would use for field of art?  
 16 MR. CANNON: Objection. Lacks foundation.  
 17 A No. I -- not, not for art. It might be a  
 18 field of -- for -- of science.  
 19 Q So in your Declaration, you offer a number  
 20 of opinions, correct?  
 21 A Uh-huh.  
 22 Q But you did not, or at least I think you  
 23 said that you did not come to an opinion as to what  
 24 field of art was described in the patent; is that  
 25 correct?

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1 MR. CANNON: Objection. Misstates prior  
 2 testimony. Lacks foundation. Asked and answered.  
 3 A I'm -- I think I have defined art as best I  
 4 can for laboratory performance of PCR and for patient  
 5 care.  
 6 Q I'm just going to go on.  
 7 It is your opinion that the treating  
 8 physician is the person who evaluates the  
 9 effectiveness of the antiretroviral agent, correct?  
 10 MR. CANNON: Object to the form of the  
 11 question.  
 12 Go ahead and answer if you can.  
 13 A Yes. To a large extent, yes.  
 14 Q Okay. What do you mean by to a large  
 15 extent?  
 16 A Well, I think the patient probably has to  
 17 have an opinion about whether the drug they take is  
 18 good for them.  
 19 Q Anybody else?  
 20 A Well, I guess anybody can have an opinion,  
 21 but I think it's the physician that is the one that is  
 22 ultimately responsible for this judgment.  
 23 Q Okay. What factors were considered in  
 24 evaluating effectiveness of antiretroviral agents in  
 25 1992?

11 (Pages 38 to 41)

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1 A We wanted to know if the Cd4 count  
2 increased. We wanted to know if there was a new AIDS-  
3 defining event or death. We wanted to know if the  
4 patient tolerated the medicine. And we wanted to know  
5 if the regimen was demanding to the point that  
6 patients struggled with adherence.

7 Q Are there any other factors that were  
8 considered in evaluating effectiveness of  
9 antiretroviral agents in 1992?

10 A Well, I'm trying to think of when they  
11 started doing the viral load testing, and I think that  
12 came a bit later.

13 Q So today you would also include viral load  
14 testing --

15 A Yes, I would.

16 Q -- in that?

17 All right. Were there any other factors  
18 that were considered in 1992?

19 A I think I've covered the major ones.

20 Q Are there any others that you're aware of at  
21 this point?

22 A I can't think of any right now.

23 Q Are --

24 A Oh, cost would be another.

25 Q Cost?

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1 A Cost would be an issue.

2 Q Are these factors objective?

3 MR. CANNON: Object to the form of the  
4 question.

5 A Most of them are objective.

6 Q Which ones are not objective?

7 A Tolerance.

8 Q And --

9 A Pill burden.

10 Q I'm sorry?

11 A Pill burden.

12 Q And how are those not objective?

13 A It's hard for us to know when a patient says  
14 that a drug makes them tired, makes them sleepy, makes  
15 them nauseated. We don't have metrics. Gives them a  
16 headache.

17 Q So those factors are not objective, but they  
18 don't depend on the physician's subjective state of  
19 mind, do they?

20 A They require the patient's report to the  
21 physician.

22 Q In evaluating effectiveness, is the  
23 physician's subjective intent as to whether the  
24 treatment was going to be effective or not an  
25 important factor?

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1 MR. CANNON: Object to the form of the  
2 question.

3 A I missed the first part of it. Physician's  
4 what?

5 Q Subjective intent.

6 Let me restate the question.

7 A Yeah.

8 Q In evaluating effectiveness of  
9 antiretroviral therapy, is the physician's subjective  
10 intent as to whether or not the therapy was going to  
11 be effective important?

12 MR. CANNON: Objection. Lacks foundation.

13 A I think you're asking me if the physician is  
14 going to prescribe something they think works, and I  
15 would say that was important.

16 Q In evaluating whether the antiretroviral  
17 agent was effective, does it matter whether the  
18 physician thought it was going to be very effective,  
19 thought it was only going to be kind of effective, or  
20 is the decision based on the objective and the  
21 tolerance, pill burden factors that we discussed  
22 before?

23 MR. CANNON: Objection. Compound question.  
24 Lacks foundation.

25 A I think physicians always -- almost always

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1 prescribe drugs with some notion about whether they're  
2 likely to work, possibly going to work, or not likely  
3 to work.

4 Q In looking backward and evaluating whether  
5 or not they were effective, is the physician's  
6 prediction as to whether or not they were effective  
7 important, or is the fact as to whether or not it was  
8 effective important?

9 A For objective results, the results are  
10 probably the most important.

11 Q So I'm going to ask you just a couple of  
12 hypotheticals, and if you don't understand them,  
13 please let me know, or if you think there's something  
14 missing, please let me know as well.

15 Suppose that an antiretroviral agent was  
16 effective in reducing replication of HIV but was not  
17 quite as effective as the treating physician initially  
18 hoped and intended. In that situation would the  
19 treatment be effective, or ineffective under the  
20 patents?

21 MR. CANNON: Object. Incomplete  
22 hypothetical. Lacks foundation.

23 A I can't answer a question about the patent  
24 statement.

25 Q Why is that?

12 (Pages 42 to 45)

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1 A Because I don't remember whether the,  
2 whether the patent specifically said the treating  
3 physician's impression versus an objective endpoint.

4 Q So sitting here today you do not have an  
5 opinion as to whether the patent term therapeutically  
6 effective refers to the physician's subjective intent  
7 or objective factors?

8 MR. CANNON: Objection.

9 Q Is that your opinion?

10 MR. CANNON: Objection. Misstates  
11 testimony.

12 A Well, you -- I thought you asked me a  
13 different question.

14 Q Okay.

15 A I thought you asked me about a physician's  
16 preconceived notions about whether a drug was going to  
17 work or not work, and what I said was I do not  
18 remember seeing that specifically stated in the  
19 patent. I did not see that the physician's  
20 preconceived notion about the drug determined whether  
21 it was therapeutically effective. The term  
22 therapeutically effective was there.

23 Q Is it true that the physician's intent is to  
24 improve the patient's clinical outcome?

25 A Yes.

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1 Q What are some ways in which antiretroviral  
2 therapy can improve a patient's clinical outcome?

3 MR. CANNON: Objection. Lacks foundation.

4 A For any disease, or for HIV?

5 Q For HIV.

6 A There are probably several parameters. One  
7 is the patient's subjective impression of how they  
8 feel. Second is objective observations, such as  
9 weight, fever. There are laboratory tests, such as  
10 the Cd4 count, the viral load, the large number of  
11 laboratory studies, that indicate drug toxicity. All  
12 of those would be factors.

13 Q Are there any others that you can think of?

14 A Well, cost I guess would be an additional  
15 factor. Inconvenience, pill burden, requirement to  
16 take food or not take food, the co-morbidities that  
17 interfere with the response, like hepatitis, the drug  
18 interactions, because of the enormous number of them  
19 that we encounter. That's a list I can come up with  
20 at this moment.

21 Q So are those all factors you consider in  
22 evaluating effectiveness, or are those ways in which  
23 antiretroviral therapy can improve a patient's  
24 clinical outcome?

25 A I think that those are synonymous.

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1 Q Okay. Do you have an opinion as to what the  
2 phrase medical decision meant to a person of skill in  
3 1992?

4 A The term medical decision?

5 Q Yes.

6 A It's -- I guess it's a term that I would use  
7 and not necessarily try to define. Did you want me to  
8 define it?

9 Q Do you have an opinion as to what it means?

10 A I think it's when someone makes a decision  
11 that has -- in a medical context.

12 Q What does medical context mean to you?

13 A Well, it means in -- I think in, I think  
14 medical has a connotation in terms of medical care, so  
15 that it could be a medical decision to send a patient  
16 to a nursing home, medical decision to get a  
17 laboratory test.

18 Q For purposes of the patents-in-suit, is it  
19 your opinion that treatment may not be modified if  
20 viral load testing suggests that an antiretroviral  
21 agent is effective?

22 MR. CANNON: Object to the form of the  
23 question.

24 A No.

25 Q That is not your opinion?

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1 A That it should not be modified?

2 Q That --

3 A Could we put it in a positive? It is --

4 Q Okay, I'll restate.

5 A Okay. To change the therapy even though it  
6 is effective in stopping the virus?

7 Q All right -- well, let me rephrase that  
8 question.

9 A Okay.

10 Q Is it your opinion that it is okay to change  
11 the therapy even though it is effective in stopping  
12 the virus?

13 A Yes.

14 Q Why is that?

15 A Because -- or for a lot of reasons, many of  
16 which I've talked about. For example, if the drug  
17 causes a terrible side effect, we have to stop it.  
18 That would be one example.

19 Q Are there any others?

20 A Well, if there's drug interactions, if it's  
21 a regimen that's impossible. If it's a treatment that  
22 you can't afford. I mean there is -- there's a number  
23 of reasons.

24 Q Okay. On the flip side of that, is it your  
25 opinion that antiretroviral treatment must be modified

13 (Pages 46 to 49)

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1 if viral load testing suggests that it is ineffective?  
 2 MR. CANNON: Objection. Lacks foundation.  
 3 Object to the form of the question.  
 4 A The answer is no.  
 5 Q And why is that?  
 6 A It's complicated, but therapy that does not  
 7 work works.  
 8 Q Could you explain that a little more?  
 9 A Yes. Patients who have virologic failure  
 10 and take antiretroviral drugs deteriorate when you  
 11 stop the drugs that have failed. The Cd4 count goes  
 12 down and the viral load goes up.  
 13 Q Is it also the case that a patient who fails  
 14 to adhere to a treatment regimen could cause an  
 15 otherwise effective antiretroviral treatment to  
 16 register as ineffective according to a viral load  
 17 test?  
 18 MR. CANNON: Objection. Lacks foundation.  
 19 A Hard to answer in a legal sense. Do we say  
 20 a drug is ineffective if someone doesn't take it,  
 21 that's what you're asking, and I'm not sure that that  
 22 would satisfy my definition of a drug failure. I  
 23 think every drug will fail if a patient doesn't take  
 24 it.  
 25 Q So you could get a viral load test that

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1 suggests that the drug is failing but in fact the drug  
 2 is not failing because the patient is just simply not  
 3 taking the drug; is that correct?  
 4 A Yes.  
 5 Q When did you come up with the opinions that  
 6 are in your Declaration?  
 7 MR. CANNON: Object to the form of the  
 8 question. To the extent this is getting into  
 9 discovery that we agreed would not be part of the  
 10 mutual expert discovery, I object.  
 11 But please answer the question, if you can.  
 12 A I'm not good at recalling dates so I would  
 13 say probably three or four months ago.  
 14 Q Do you recall looking at a Disclosure that  
 15 was filed with the Court explaining what your  
 16 testimony might include?  
 17 A Yes.  
 18 (Discussion off the record.)  
 19 (Handing Exhibit No. 699.)  
 20 BY MR. DAMSTEDT:  
 21 Q Have you had a chance to look at the  
 22 document?  
 23 A Yes, I have.  
 24 Q Is this the Disclosure that we were talking  
 25 about?

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1 A Yes.  
 2 Q On Page 3 --  
 3 A Yes -- oh, I'm sorry, 3.  
 4 I'm there now.  
 5 Q Great. Up at the top it says Doctor  
 6 Bartlett may testify that protease inhibitors and  
 7 HAART therapy (highly active antiretroviral therapy)  
 8 were not available to those of skill in the art of  
 9 treating HIV patients and evaluating the effectiveness  
 10 of therapy until after May 1992.  
 11 Did I read that correctly?  
 12 A Yes.  
 13 Q In your Declaration, did you state that  
 14 protease inhibitors and HAART therapy were neither  
 15 known nor available to persons -- to those of skill in  
 16 the art of treating HIV patients until well after May  
 17 of 1992?  
 18 MR. CANNON: Objection. The Declaration is  
 19 what it is.  
 20 A Yes.  
 21 Q Is that a new opinion?  
 22 A No.  
 23 MR. CANNON: Object to the form of the  
 24 question.  
 25 A By new, do you mean new with this case, or

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1 new with this today, or --  
 2 Q New as in after the Disclosure, Exhibit 699,  
 3 was filed.  
 4 MR. CANNON: Object to the form of the  
 5 question. The documents speak for themselves.  
 6 A I'm not exactly sure what you're saying. I  
 7 agree with this statement that protease inhibitors and  
 8 HAART therapy were not available, neither one of them.  
 9 Q Okay. My question is, is your opinion in  
 10 your Declaration that neither were -- neither were  
 11 known or available new after the Disclosure? The  
 12 Disclosure says available. Your Declaration says  
 13 known or available. Is that additional opinion new?  
 14 MR. CANNON: Object to the form of the  
 15 question.  
 16 A It says known in the art of treating HIV  
 17 infection and the term is HAART. And my opinion now  
 18 is neither one of those, the phrase was not used, and  
 19 the effectiveness of protease inhibitors in treating  
 20 patients with HIV infection was not known.  
 21 Q So -- my question is slightly different from  
 22 that. It's -- I'm sorry if I've been vague about it.  
 23 MR. CANNON: It's a trick question. You're  
 24 trying to trick him.  
 25 MR. DAMSTEDT: Come on, Brian.

14 (Pages 50 to 53)

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1 MR. CANNON: Trying to trick him. I mean  
2 ask the question, but -- go ahead.

3 Q So in your Declaration you say that protease  
4 inhibitors and HAART therapy were neither known nor  
5 available; is that correct?

6 A Right.

7 Q And in the Disclosure it says that they were  
8 not available; is that correct?

9 A Yes.

10 Q Is the additional part that they were not  
11 known, is that a new opinion that was made after your  
12 Disclosure?

13 MR. CANNON: Object to the form of the  
14 question. Lacks foundation. It's argumentative.

15 A So we're breaking this down, and we're  
16 separating HAART and protease inhibitors?

17 Q No. It would be separating known versus  
18 available.

19 A They were not available for clinical care in  
20 1992, and HAART was a term that was not used in 1992.

21 MR. DAMSTEDT: Okay. Do you mind if we take  
22 a break.

23 MR. CANNON: No. Sure.

24 (Break taken.)

25 MR. DAMSTEDT: I appreciate your time. I'm

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1 done for now.

2 MR. CANNON: I don't have any questions for  
3 Doctor Bartlett, but we'd appreciate the opportunity  
4 to review the transcript consistent with the parties'  
5 agreement with the Federal Rules. Thank you.

6 (Signature having not been waived, the  
7 examination of John G. Bartlett, M.D., was concluded  
8 at 5:02 p.m.)  
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# 1 ACKNOWLEDGMENT OF DEPONENT

2 I, John G. Bartlett, M.D., do hereby acknowledge  
3 that I have read and examined the foregoing testimony,  
4 and the same is a true, correct and complete  
5 transcription of the testimony given by me, and any  
6 corrections appear on the attached Errata sheet signed  
7 by me.  
8  
9

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11 (DATE)

11 (SIGNATURE)  
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# 1 CERTIFICATE OF SHORTHAND REPORTER/NOTARY PUBLIC

2 I, Dawn M. Hart, Registered Professional  
3 Reporter, the officer before whom the foregoing  
4 proceedings were taken, do hereby certify that the  
5 foregoing transcript is a true and correct record of  
6 the proceedings; that said proceedings were taken by  
7 me stenographically and thereafter reduced to  
8 typewriting under my supervision; and that I am  
9 neither counsel for, related to, nor employed by any  
10 of the parties to this case and have no interest,  
11 financial or otherwise, in its outcome.

12 IN WITNESS WHEREOF, I have hereunto set my hand  
13 and affixed my notarial seal this 5th day of September  
14 2007.

15 My Commission Expires:  
16 January 1, 2009  
17  
18  
19

20 NOTARY PUBLIC IN AND FOR THE  
21 STATE OF MARYLAND  
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15 (Pages 54 to 57)

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