Exhibit 26

UNITED STATES DISTRICT COURT 1 APPEARANCES: NORTHERN DISTRICT OF CALIFORNIA 2 THE BOARD OF TRUSTEES OF THE 3 LELAND STANFORD JUNIOR For Plaintiff Stanford University and Counterclaim UNIVERSITY, Defendants Tom Merigan and Mark Holodniy: Plaintiff. 5 COOLEY GODWARD KRONISH LLP No. C-05-04158-MHP ROCHE MOLECULAR SYSTEMS. INC. BY: MICHELLE S. RHYU, Ph.D et al., 6 Attorney at Law 3000 El Camino Real Defendants. 7 Five Palo Alto Square, 4th Floor Palo Alto, California 94306-2155 AND RELATED COUNTERCLAIM. 8 (650) 843-5505 For the Roche Defendants: 10 DEPOSITION OF PAUL VOLBERDING, M.D. QUINN EMANUEL URQUHART OLIVER & HEDGES, LLP Palo Alto, California BY: BRIAN C. CANNON Sunday, August 19, 2007 11 Attorney at Law 12 555 Twin Dolphin Drive, Suite 560 Redwood Shores, California 94065-2139 GINA GLANTZ CSR No. 9795, RPR, RMR 13 (650) 801-5000 JOB No. 3-70580 Videographer: 14 15 RAY TYLER SARNOFF COURT REPORTERS AND LEGAL TECHNOLOGIES 16 450 Sansome Street, Suite 1550 San Francisco, California 94111 17 (415) 274-9977 18 19 20 21 22 23 24 25 Page 3 1 UNITED STATES DISTRICT COURT INDEX WITNESS **EXAMINATION** 2 NORTHERN DISTRICT OF CALIFORNIA PAUL VOLBERDING, M.D. 3 3 THE BOARD OF TRUSTEES OF THE BY MR. CANNON 8, 154 LELAND STANFORD JUNIOR 6 5 UNIVERSITY, BY MS. RHYU 164 8 6 Plaintiff, 9 No. C-05-04158-MHP **EXHIBITS** 8 ROCHE MOLECULAR SYSTEMS, INC. 10 DEPOSITION PAGE et al.. 11 9 12 1 Multipage document titled "Notice of Defendants. Deposition and Amended Subpoena Issued to 13 Paul Volberding 10 14 2 Multipage exhibit consisting of a collection 16 11 of articles authored or coauthored by 15 Dr. Volberding; the first page is a cover AND RELATED COUNTERCLAIM. letter dated August 16, 2007, to Brian 12 16 Cannon from Jeannine A.R. Douglas, Senior 13 Paralegal (VOLB 02210 - VOLB 02352) 17 14 3 Six-page document from Westlaw regarding a 15 18 lawsuit pending in the United States Deposition of PAUL VOLBERDING, M.D., taken District Court, S.D. Iowa, Central Division. 16 19 John & Mary Doe vs. Baxter Healthcare 17 on behalf of Roche Defendants, at 3000 El Camino Real, Corporation, et al. Five Palo Alto Square, 4th Floor, Palo Alto, California, 18 20 4 Multipage document titled "Declaration of Dr. Paul Volberding Supporting Stanford's 19 beginning at 10:10 a.m. and ending at 3:40 p.m., on 21 20 Sunday, August 19, 2007, before GINA GLANTZ, Certified Opening Claim Construction Brief" 22 21 Shorthand Reporter No. 9795. 5 Three-page article titled "Improving the 22 23 Outcomes of Care for Patients With Human-23 Immunodeficiency Virus Infection," published 24 24 in The New England Journal of Medicine, March 14, 1996 25 Page 2 Page 4

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|---|--|---|---|
| 11:08:57 1 | Q Okay. We're going to turn to more of a | 11:12:19 1 | that sense, the replication of the genome of the virus. |
| 11:09:01 2 | definitional topic now. HIV is a retrovirus; correct? | 11:12:23 2 | Q Are you pointing out a particular sentence in |
| 11:09:07 3 | A Are you asking me to refer to a document? | 11:12:26 3 | your declaration? Perhaps you could point me to it. |
| 11:09:10 4 | Q No, I'm not. At the moment, I'm not asking you | 11:12:44 4 | A On page 6, in paragraph 16, line 27, in which |
| 11:09:11 5 | to refer to a document, so you can set those aside. | 11:13:01 5 | I'm referring to reverse transcription. |
| 11:09:17 6 | You understand that HIV is a retrovirus; is | 11:13:03 6 | Q So could you just clarify your testimony with |
| 11:09:21 7 | that right? | 11:13:11 7 | respect to the sentence? I'll just read it, "Further, |
| 11:09:21 8 | A That's right. | 11:13:16 8 | antiretroviral agents are not limited to drugs effective |
| 11:09:23 9 | Q And that means its genetic material is in the | 11:13:19 9 | in reducing or stopping the genome 'replication' step." |
| 11:09:26 10 | form of RNA; is that right? | 11:13:24 10 | What is it you're trying to clarify? |
| 11:09:28 11 | A That's part of the definition, yes. | 11:13:25 11 | A Just that the way as I look at this, after I |
| 11:09:30 12 | Q What's the remainder of the definition? | 11:13:31 12 | wrote it, I realize that replication would generally |
| 11:09:32 13 | A Well, retroviruses employ a reverse | 11:13:36 13 | refer to the entire reproduction of the entire virus, |
| 11:09:37 14 | transcriptase to copy their genetic material. They | 11:13:41 14 | but replication, in this sense, I was using as copying, |
| 11:09:42 15 | integrate that genetic material into the host cell and | 11:13:45 15 | which is a common use of the term as well. So it is |
| 11:09:47 16 | are then reproduced by the cell. | 11:13:50 16 | reverse transcription, it's just not the language that I |
| 11:09:50 17 | Q And the reproduction by the cell involves | 11:13:53 17 | would usually use. |
| 11:09:53 18 | forward transcription; right? | 11:13:56 18 | Q Now, the nucleoside analogs were the first |
| 11:09:55 19 | A That's part of the that's one of the steps, | 11:14:08 19 | antiretroviral therapies; correct? |
| 11:09:58 20 | ves. | 11:14:16 20 | MS. RHYU: Objection. Vague as to |
| 11:09:58 21 | Q And then there's and then there's an | 11:14:20 21 | "antiretroviral therapies." |
| 11:10:01 22 | assembly step; right? | 11:14:22 22 | THE WITNESS: The nucleoside analogs were the |
| 11:10:02 23 | MS. RHYU: Objection. Vague. | 11:14:27 23 | first compounds shown to be effective in inhibiting the |
| 11:10:03 24 | THE WITNESS: Those are that's another step, | 11:14:38 24 | virus in patients with HIV infection, but other agents |
| 11:10:08 25 | yes. | 11:14:42 25 | had been other antiretroviral agents had been looked |
| | Page 45 | | Page 47 |
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| 11:10:09 1 | BY MR. CANNON: | 11:14:45 1 | |
| 11:10:09 1 11:10:09 2 | BY MR. CANNON: Q Is it fair to say that one of the goals of | 11:14:45 1 11:14:49 2 | at in the laboratory at that time, or maybe even before. BY MR. CANNON: |
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| 11:10:09 2 11:10:17 3 | Q Is it fair to say that one of the goals of antiretroviral therapy is to halt the life cycle of HIV? | 11:14:49 2 11:14:49 3 | at in the laboratory at that time, or maybe even before. BY MR. CANNON: Q It's fair to say that a lot of agents were |
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| 11:10:09 2 11:10:17 3 11:10:21 4 11:10:25 5 11:10:25 6 11:10:31 7 11:10:36 8 11:10:39 9 11:10:46 10 11:10:50 11 11:11:03 12 11:11:09 13 11:11:20 14 11:11:28 15 11:11:31 16 11:11:34 17 11:11:45 18 11:11:45 18 11:11:45 18 11:11:51 20 11:11:51 21 | Q Is it fair to say that one of the goals of antiretroviral therapy is to halt the life cycle of HIV? MS. RHYU: Objection. Vague, lacks foundation, calls for speculation. THE WITNESS: It's fair to say that antiretroviral therapy is designed to slow the growth of the virus. BY MR. CANNON: Q Do you recall when was the first time you put a patient on antiretroviral therapy? A I don't recall a specific patient or a specific date, but I put patients on retroviral therapy in 1986 certainly, and maybe before that, but certainly in 1986. Q Do you recall the antiretroviral therapy that you put a patient on as early as 1986? A The first specifically antiretroviral agent that I used, I believe, was AZT. Q That's a nucleoside analog; right? A Yes, it is. Q That inhibits reverse transcription? A Yes, it does. And I believe in my declaration, | 11:14:49 2 11:14:49 3 11:14:54 4 11:14:58 5 11:14:59 6 11:15:04 7 11:15:06 8 11:15:07 9 11:15:10 10 11:15:15 11 11:15:21 14 11:15:21 14 11:15:28 15 11:15:31 16 11:15:41 17 11:15:46 18 11:15:50 19 11:15:57 21 11:15:58 22 | at in the laboratory at that time, or maybe even before. BY MR. CANNON: Q It's fair to say that a lot of agents were looked at but only a limited number actually demonstrated clinical value? A That's true. Q And that's true throughout the years up to the present day; correct? A Could you restate that? Q It's true that even up to today, there's a lot of agents that are possibilities but only a limited number actually end up having clinical value? A That's true. Q Do you recall when was the first time you put a patient on therapy when that therapy was not a nucleoside analog? A I don't recall which clinical trials I was involved with at the time, but nonnucleosides and protease inhibitors were entering clinical trials in 1990, 1991, and I might very well have participated in those trials. Q Do you know for a fact whether you participated |
| 11:10:09 2 11:10:17 3 11:10:21 4 11:10:25 5 11:10:25 6 11:10:31 7 11:10:36 8 11:10:39 9 11:10:46 10 11:10:50 11 11:11:03 12 11:11:09 13 11:11:20 14 11:11:28 15 11:11:31 16 11:11:34 17 11:11:45 18 11:11:45 18 11:11:51 20 11:11:51 21 11:11:55 22 11:11:55 22 | Q Is it fair to say that one of the goals of antiretroviral therapy is to halt the life cycle of HIV? MS. RHYU: Objection. Vague, lacks foundation, calls for speculation. THE WITNESS: It's fair to say that antiretroviral therapy is designed to slow the growth of the virus. BY MR. CANNON: Q Do you recall when was the first time you put a patient on antiretroviral therapy? A I don't recall a specific patient or a specific date, but I put patients on retroviral therapy in 1986 certainly, and maybe before that, but certainly in 1986. Q Do you recall the antiretroviral therapy that you put a patient on as early as 1986? A The first specifically antiretroviral agent that I used, I believe, was AZT. Q That's a nucleoside analog; right? A Yes, it is. Q That inhibits reverse transcription? A Yes, it does. And I believe in my declaration, I was a little confused in my terminology. It inhibits | 11:14:49 2 11:14:49 3 11:14:54 4 11:14:58 5 11:14:59 6 11:15:04 7 11:15:06 8 11:15:07 9 11:15:10 10 11:15:15 11 11:15:17 12 11:15:20 13 11:15:21 14 11:15:21 14 11:15:21 14 11:15:41 17 11:15:46 18 11:15:50 19 11:15:50 20 11:15:57 21 11:15:58 22 11:16:00 23 | at in the laboratory at that time, or maybe even before. BY MR. CANNON: Q It's fair to say that a lot of agents were looked at but only a limited number actually demonstrated clinical value? A That's true. Q And that's true throughout the years up to the present day; correct? A Could you restate that? Q It's true that even up to today, there's a lot of agents that are possibilities but only a limited number actually end up having clinical value? A That's true. Q Do you recall when was the first time you put a patient on therapy when that therapy was not a nucleoside analog? A I don't recall which clinical trials I was involved with at the time, but nonnucleosides and protease inhibitors were entering clinical trials in 1990, 1991, and I might very well have participated in those trials. Q Do you know for a fact whether you participated in those trials? |
| 11:10:09 2 11:10:17 3 11:10:21 4 11:10:25 5 11:10:25 6 11:10:31 7 11:10:36 8 11:10:39 9 11:10:46 10 11:10:50 11 11:11:03 12 11:11:09 13 11:11:20 14 11:11:28 15 11:11:31 16 11:11:34 17 11:11:45 18 11:11:45 18 11:11:51 20 11:11:51 21 11:11:55 22 11:11:55 22 11:12:10 23 11:12:10 24 | Q Is it fair to say that one of the goals of antiretroviral therapy is to halt the life cycle of HIV? MS. RHYU: Objection. Vague, lacks foundation, calls for speculation. THE WITNESS: It's fair to say that antiretroviral therapy is designed to slow the growth of the virus. BY MR. CANNON: Q Do you recall when was the first time you put a patient on antiretroviral therapy? A I don't recall a specific patient or a specific date, but I put patients on retroviral therapy in 1986 certainly, and maybe before that, but certainly in 1986. Q Do you recall the antiretroviral therapy that you put a patient on as early as 1986? A The first specifically antiretroviral agent that I used, I believe, was AZT. Q That's a nucleoside analog; right? A Yes, it is. Q That inhibits reverse transcription? A Yes, it does. And I believe in my declaration, I was a little confused in my terminology. It inhibits the replication of the genome, which is not a term that | 11:14:49 2 11:14:49 3 11:14:54 4 11:14:58 5 11:14:59 6 11:15:04 7 11:15:06 8 11:15:07 9 11:15:10 10 11:15:15 11 11:15:17 12 11:15:20 13 11:15:21 14 11:15:21 14 11:15:41 17 11:15:46 18 11:15:50 19 11:15:50 20 11:15:57 21 11:15:58 22 11:16:00 23 11:16:01 24 | at in the laboratory at that time, or maybe even before. BY MR. CANNON: Q It's fair to say that a lot of agents were looked at but only a limited number actually demonstrated clinical value? A That's true. Q And that's true throughout the years up to the present day; correct? A Could you restate that? Q It's true that even up to today, there's a lot of agents that are possibilities but only a limited number actually end up having clinical value? A That's true. Q Do you recall when was the first time you put a patient on therapy when that therapy was not a nucleoside analog? A I don't recall which clinical trials I was involved with at the time, but nonnucleosides and protease inhibitors were entering clinical trials in 1990, 1991, and I might very well have participated in those trials. Q Do you know for a fact whether you participated in those trials? A I don't know for a fact that I did. |
| 11:10:09 2 11:10:17 3 11:10:21 4 11:10:25 5 11:10:25 6 11:10:31 7 11:10:36 8 11:10:39 9 11:10:46 10 11:10:50 11 11:11:03 12 11:11:09 13 11:11:20 14 11:11:28 15 11:11:31 16 11:11:34 17 11:11:45 18 11:11:45 18 11:11:51 20 11:11:51 21 11:11:55 22 11:11:55 22 | Q Is it fair to say that one of the goals of antiretroviral therapy is to halt the life cycle of HIV? MS. RHYU: Objection. Vague, lacks foundation, calls for speculation. THE WITNESS: It's fair to say that antiretroviral therapy is designed to slow the growth of the virus. BY MR. CANNON: Q Do you recall when was the first time you put a patient on antiretroviral therapy? A I don't recall a specific patient or a specific date, but I put patients on retroviral therapy in 1986 certainly, and maybe before that, but certainly in 1986. Q Do you recall the antiretroviral therapy that you put a patient on as early as 1986? A The first specifically antiretroviral agent that I used, I believe, was AZT. Q That's a nucleoside analog; right? A Yes, it is. Q That inhibits reverse transcription? A Yes, it does. And I believe in my declaration, I was a little confused in my terminology. It inhibits | 11:14:49 2 11:14:49 3 11:14:54 4 11:14:58 5 11:14:59 6 11:15:04 7 11:15:06 8 11:15:07 9 11:15:10 10 11:15:15 11 11:15:17 12 11:15:20 13 11:15:21 14 11:15:21 14 11:15:21 14 11:15:41 17 11:15:46 18 11:15:50 19 11:15:50 20 11:15:57 21 11:15:58 22 11:16:00 23 | at in the laboratory at that time, or maybe even before. BY MR. CANNON: Q It's fair to say that a lot of agents were looked at but only a limited number actually demonstrated clinical value? A That's true. Q And that's true throughout the years up to the present day; correct? A Could you restate that? Q It's true that even up to today, there's a lot of agents that are possibilities but only a limited number actually end up having clinical value? A That's true. Q Do you recall when was the first time you put a patient on therapy when that therapy was not a nucleoside analog? A I don't recall which clinical trials I was involved with at the time, but nonnucleosides and protease inhibitors were entering clinical trials in 1990, 1991, and I might very well have participated in those trials. Q Do you know for a fact whether you participated in those trials? |

| <u></u> | | | |
|-------------|---|-------------|--|
| 12:12:15 1 | is relevant to. If you can identify what opinion or | 12:15:11 | 1 load test. |
| 12:12:18 2 | what claim term that question is relevant to, I'd be | 12:15:14 | |
| 12:12:22 3 | happy to let the witness answer that question. | 12:15:14 | |
| 12:12:24 4 | MR. CANNON: How about "therapeutically | 12:15:18 | |
| 12:12:25 5 | effective," that's a claim term. It's relates to | 12:15:21 | - m you make ordered patterns to do vital load |
| 12:12:28 6 | therapeutically effective. | 12:15:23 | • |
| 12:12:51 7 | MS. RHYU: Okay, with the caveat that in the | 12:15:24 | |
| 12:12:53 8 | context of construction of therapeutically effective, | 12:15:25 | ordered patients to obtain viral load tests over the |
| 12:12:57 9 | the witness is answering the question. | 12:15:29 | |
| 12:12:58 10 | Go ahead and answer the question, | 12:15:30 1 | MS. RHYU: Objection to the extent it's outside |
| 12:13:00 11 | Dr. Volberding. | 12:15:31 1: | |
| 12:13:00 12 | MR. CANNON: Well, there's no caveats. I mean, | 12:15:33 1: | TITLESS. Etther in the context of chilical |
| 12:13:02 13 | it's a question and an answer, so, you know, he gets to | 12:15:42 1: | care, or in the course of clinical investigations. |
| 12:13:06 14 | give his full and complete testimony. He doesn't get to | 12:15:47 1 | 4 BY MR. CANNON: |
| 12:13:09 15 | give it subject to any, you know, limitations. Either | 12:15:48 1 | 2 at what is the medical reason for ordering a |
| 12:13:12 16 | it's an answer or it's not an answer, so I can't accept | 12:15:50 1 | The road road for a patient infected with THV; |
| 12:13:17 17 | an answer with caveats. I mean, you can make objections | 1 | |
| 12:13:20 18 | and reserve rights all you want, but I need the witness | 12:15:55 18 | agae, and outside the scope. |
| 12:13:23 19 | to give a complete answer, and if you instruct him not | 12:15:59 19 | The transfer of the second section to or |
| 12:13:25 20 | to answer, okay, we'll deal with that later, but | 12:16:05 20 | , , |
| 12:13:27 21 | MS. RHYU: The witness can answer the question, | 12:16:15 21 | |
| 12:13:30 22 | I'm objecting as to the aspect of the answer and the | 12:16:15 22 | Q Do may noip to establish of do may absolutely |
| 12:13:32 23 | question that go that goes beyond the scope of this | 12:16:18 23 | |
| 12:13:36 24 | deposition. | 12:16:19 24 | in any nerp to establish. |
| 12.13.36 25 | MR. CANNON: Okay. | 12:16:22 25 | q 1 me mere enter factors that ocal upon the |
| | Page 73 | | Page 75 |
| 12:13:39 1 | Could you repeat my question back and let's see | 12:16:27 1 | state of HIV disease? |
| 12:13:42 2 | if we can get an answer. | 12:16:29 2 | MS. RHYU: Objection. Outside the scope. And |
| 12:14:07 3 | (Record read as follows: | 12:16:32 3 | instruct the witness not to answer unless you can |
| 12:14:07 4 | "Q This is a yes-or-no question | 12:16:40 4 | identify what claim construction this is relevant to. |
| 12:14:07 5 | I'm asking. Do you know, sitting here | 12:16:43 5 | (Instruction not to answer.) |
| 12:14:07 6 | today, the reason that you directed the | 12:16:43 6 | MR. CANNON: It's all relevant to |
| 12:14:07 7 | first patient that you can recall to get | 12:16:46 7 | "therapeutically effective." |
| 12:14:09 8 | a viral load testing measurement done?") | 12:16:49 8 | MS. RHYU: Just a minute. Are you asking from |
| 12:14:09 9 | THE WITNESS: No. | 12:17:02 9 | the perspective of one of skill in the art in the '90, |
| 12:14:14 10 | MR. CANNON: Can you ask the first question I | 12:17:08 10 | '92 time frame? |
| 12:14:15 11 | asked that got an instruction not to answer? | 12:17:09 11 | MR. CANNON: Can you repeat my question back. |
| 12:14:40 12 | (Record read as follows: | 12:17:20 12 | (Record read.) |
| 12:14:40 13 | "Q Dr. Volberding, when you first | 12:17:23 13 | MS. RHYU: Are you asking the question as it |
| 12:14:40 14 | directed a patient to obtain a viral | 12:17:25 14 | stands? |
| 12:14:40 15 | load measurement, can you tell me why | 12:17:26 15 | MR. CANNON: Just asking the question. |
| 12:14:40 16 | you directed the patient to obtain a | 12:17:27 16 | MS. RHYU: Vague as to time frame. And object |
| 12:14:41 17 | viral load measurement?") | 12:17:32 17 | as to being outside the scope. |
| 12:14:41 18 | MS. RHYU: Objection. Outside the scope. | 12:17:35 18 | THE WITNESS: So in the time frame of the case, |
| 12:14:42 19 | THE WITNESS: I don't recall the reason that I | 12:17:39 19 | from 1990 to 1992, a person of skill in the art would |
| 12:14:44 20 | ordered the first viral load testing, I don't remember | 12:17:48 20 | use a variety of factors to consider the patient's stage |
| 12:14:47 21 | ordering my first viral load test in a patient. | 12:17:54 21 | of disease, including CD4 counts and clinical symptoms |
| 12:14:57 22 | BY MR. CANNON: | 12:17:59 22 | and signs. |
| 12:14:57 23 | Q What's the earliest time that you can remember | 12:17:59 23 | BY MR. CANNON: |
| 12:15:00 24 | ordering a viral load test? | 12:17:59 24 | Q How about today, same set of factors evaluated? |
| 12:15:02 25 | A I don't recall when I ordered the first viral | 12:18:06 25 | A Today |
| | Page 74 | | Page 76 |

| 12:18:07 1 | MS. RHYU: Objection. Outside the scope, not | 12:24:35 1 | the question. |
|----------------------------|--|-------------|--|
| 12:18:10 2 | relevant to claim construction. | 12:24:36 2 | BY MR. CANNON: |
| 12:18:12 3 | THE WITNESS: Today, those would still be | 12:24:37 3 | Q Isn't it true, in the treatment of HIV, testing |
| 12:18:14 4 | considered along with viral load. | 12:24:41 4 | for the presence of HIV is a different test than testing |
| 12:18:19 5 | MR. CANNON: Let's take a break to change the | 12:24:44 5 | for viral load? |
| 12:18:20 6 | tape. | 12:24:46 6 | MS. RHYU: Objection. Vague, outside the scope |
| 12:18:21 7 | THE VIDEOGRAPHER: The time is 12:18 p.m. | 12:24:49 7 | of this witness's testimony, lacks foundation. |
| 12:18:24 8 | We're going off the record, and this will be the | 12:25:04 8 | THE WITNESS: Could you repeat the question |
| 12:18:26 9 | completion of media number 1. | 12:25:05 9 | again? I'm sorry. |
| 12:22:11 10 | (Interruption in the proceedings.) | 12:25:06 10 | MR. CANNON: Sure. |
| 12:22:18 11 | THE VIDEOGRAPHER: The time is 12:22. We are | 12:25:06 11 | Could you read it back, please. |
| 12:22:26 12 | back on the record, and this will be the beginning of | 12:25:27 12 | (Record read.) |
| 12:22:28 13 | media number 2. Please proceed. | 12:25:27 13 | MS. RHYU: Same objections. |
| 12:22:30 14 | BY MR. CANNON: | 12:25:31 14 | THE WITNESS: I'm not sure that I agree with |
| 12:22:32 15 | Q So I asked some questions about Exhibit 11, | 12:25:36 15 | the premise. |
| 12:22:34 16 | which is the last exhibit we marked, which is "HIV viral | 12:25:38 16 | BY MR. CANNON: |
| 12:22:37 17 | load markers in clinical practice." You see that? And | 12:25:41 17 | Q Viral load is a quantitative HIV RNA technique; |
| 12:22:43 18 | I just would like to note I'd like you to agree with | 12:25:44 18 | right? |
| 12:22:45 19 | me, I think it's accurate, that this article, which I've | 12:25:45 19 | MS. RHYU: Objection. Lacks foundation, vague, |
| 12:22:49 20 | provided to you as Exhibit 11 in color, you had provided | 12:25:51 20 | lacks context, and outside the scope of this witness's |
| 12:22:52 21 | in the packet of articles, which we marked collectively | 12:25:54 21 | testimony. |
| 12:22:56 22 | as Exhibit 2. And if you could confirm that for me by | 12:25:55 22 | THE WITNESS: Viral load testing, as we've said |
| 12:23:02 23 | looking at Exhibit 2, that's the collection of articles | 12:26:02 23 | earlier, refers to the measurement of the number of |
| 12:23:04 24 | that has the band around it, and it's the second-from- | 12:26:06 24 | copies of HIV RNA per unit of volume in the blood. |
| 12:23:10 25 | the-last article, bears the labels VOLB 2325 on the | 12:26:10 25 | BY MR. CANNON: |
| | Page 77 | | Page 79 |
| 12:23:18 1 | first page. You see that? | 12:26:11 1 | Q That's quantitative; right? |
| 12:23:20 2 | A Yes, I do. | 12:26:13 2 | MS. RHYU: Object same objections. |
| 12:23:21 3 | Q Same article; right? | 12:26:18 3 | THE WITNESS: Quantitative and qualitative. |
| 12:23:22 4 | A Appears to be. | 12:26:20 4 | BY MR. CANNON: |
| 12:23:23 5 | Q So this article, Exhibit 11, refers to viral | 12:26:21 5 | Q How is it qualitative? |
| 12:23:34 6 | load, and we discussed earlier a viral load refers to | 12:26:23 6 | MS. RHYU: Objection. Outside the scope of |
| 12:23:39 7 | copy number of HIV; right? | 12:26:24 7 | this witness's testimony, lacks foundation. |
| 12:23:41 8 | A I'm sorry? | 12:26:29 8 | THE WITNESS: It's quantitative the viral |
| 12:23:45 9 | O The viral load refers to copy number of HIV? | 12:26:36 9 | load testing itself is quantitative, you're measuring |
| 12:23:48 10 | MS. RHYU: Objection. Vague. | 12:26:41 10 | the number of copies, that's the purpose of viral load |
| 12:23:50 11 | BY MR. CANNON: | 12:26:45 11 | testing. |
| 12:23:51 12 | Q Is that accurate? | 12:26:46 12 | BY MR. CANNON: |
| 12:23:52 13 | A Yes. | 12:26:47 13 | Q You said it was qualitative as well. |
| 12:23:52 14 | Q Now, you would agree, wouldn't you, that a test | 12:26:50 14 | A Well |
| 12:23:58 15 | for viral load is different from a test that determines | 12:26:51 15 | MS. RHYU: Objection. Misstates the testimony, |
| 12:24:02 16 | whether the virus is actually present in a sample; | 12:26:54 16 | outside the scope. And what's the question? |
| 12:24:06 17 | right? | 12:27:01 17 | BY MR. CANNON: |
| 12:24:06 18 | MS. RHYU: Objection. Vague, outside the scope | 12:27:02 18 | Q I'm asking how is a viral load test |
| 12:24:08 19 | of this witness's testimony, lacks foundation. | 12:27:04 19 | qualitative? |
| 12:24:10 20 | THE WITNESS: Could you repeat the question? | 12:27:05 20 | A I would say quantitation of virus is not |
| 12:24:14 21 | MR. CANNON: Sure. | 12:27:09 21 | qualitative, it's quantitative. |
| 12:24:14 22 | Could you read it back for me, please. | 12:27:12 22 | Q So in Exhibit 11, which is the HIV viral load |
| | | | |
| 12:24:29 23 | (Record read.) | 12:27:30 23 | markers in clinical practice essay article, refers to |
| 12:24:29 23 12:24:31 24 | MS. RHYU: Same objections. | 12:27:36 24 | three commercially available assays, starting at the |
| 1 | | | - ' |

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| 12:27:43 1 | second column. You see that? | 12:30:21 1 | get sent? |
|--|--|-------------|--|
| 12:27:44 2 | A This is on page 626? | 12:30:23 2 | 0 |
| 12:27:48 3 | Q 625. Bottom of the first column says, "The | 12:30:24 3 | |
| 12:27:54 4 | Assays." Do you see that? | 12:30:26 4 | |
| 12:27:57 5 | A Okay, yes. | 12:30:29 5 | Q When you get the results back, does the lab |
| 12:28:01 6 | Q And then the sentence in the paragraph | 12:30:31 6 | make recommendations about the therapy for a particular |
| 12:28:04 7 | continues to the top of the second column. Do you see | 12:30:33 7 | patient? |
| 12:28:07 8 | that? | 12:30:34 8 | MS. RHYU: Objection. Outside the scope. Can |
| 12:28:07 9 | A Yes, I do. | 12:30:45 9 | you identify what claim construction term your question |
| 12:28:08 10 | Q This article refers to three commercial HIV RNA | 12:30:48 10 | |
| 12:28:18 11 | assays; right? | 12:30:52 11 | MR. CANNON: All of my questions today relate |
| 12:28:19 12 | A Yes, it does. | 12:30:53 12 | to "therapeutically effective" and the remainder of the |
| 12:28:20 13 | Q In your practice, do you recommend one type of | 12:30:56 13 | |
| 12:28:25 14 | assay over another? | 12:31:06 14 | MS. RHYU: I don't see how that question that |
| 12:28:28 15 | MS. RHYU: Objection. Outside the scope. | 12:31:08 15 | you posed regarding lab recommendations today relate to |
| 12:28:38 16 | THE WITNESS: I'm not sure in every case which | 12:31:16 16 | construction of the claim term "therapeutically |
| 12:28:40 17 | assay is being used in my practice. | 12:31:19 17 | effective." Can you make a connection there? |
| 12:28:43 18 | BY MR. CANNON: | 12:31:22 18 | MR. CANNON: Well, then you can instruct him |
| 12:28:44 19 | Q So when you direct a patient to obtain a viral | 12:31:24 19 | not to answer. I don't need to lay out for you where |
| 12:28:47 20 | load measurement, you don't recommend a particular type | 12:31:26 20 | I'm going or what my strategy is. |
| 12:28:50 21 | of assay to be used? | 12:31:27 21 | MS. RHYU: Okay. Then I instruct the witness |
| 12:28:52 22 | MS. RHYU: Objection. Outside the scope. | 12:31:29 22 | not to answer. |
| 12:28:54 23 | THE WITNESS: Typically not. | 12:31:29 23 | (Instruction not to answer.) |
| 12:28:55 24 | BY MR. CANNON: | 12:31:29 24 | MR. CANNON: Could you repeat my question back |
| 12:28:59 25 | Q When you get the results, do you know the type | 12:31:31 25 | so we get the instruction clearly? |
| Manufacture and the control of the c | Page 81 | | Page 83 |
| 12:29:02 1 | of assay that was used to generate the results? | 12:31:46 1 | (Record read.) |
| 12:29:04 2 | MS. RHYU: Objection. Outside the scope. I'm | | MS. RHYU: I instruct the witness not to answer |
| 12:29:07 3 | not going to let this go very much further than this, | 12:31:49 3 | because it's outside the scope of claim construction |
| 12:29:10 4 | Brian. | 12:31:53 4 | testimony. |
| 12:29:11 5 | THE WITNESS: It's often if it's in the | 12:31:55 5 | BY MR. CANNON: |
| 12:29:17 6 | course of a clinical trial, I know which assay is being | 12:31:56 6 | Q Dr. Volberding, when you get the results back |
| 12:29:21 7 | used in the context of clinical trial, and typically in | 12:31:58 7 | from the lab, does the manufacturer of the test kit make |
| 12:29:24 8 | a clinical laboratory, the type of assay is mentioned in | 12:32:02 8 | recommendations about a patient's therapy? |
| 12:29:30 9 | the results. | 12:32:05 9 | MS. RHYU: Same instruction. |
| 12:29:32 10 | BY MR. CANNON: | 12:32:07 10 | (Instruction not to answer.) |
| 12:29:33 11 | Q How about not in a clinical trial but just | 12:32:08 11 | BY MR. CANNON: |
| 12:29:35 12 | treating, you know, an HIV-infected patient? | 12:32:08 12 | Q When you get the results back from the lab, |
| 12:29:39 13 | A That's what I just said. | 12:32:10 13 | Dr. Volberding, does the manufacturer of the test kit |
| 12:29:41 14 | MS. RHYU: Same objection. | 12:32:13 14 | make a determination about the effectiveness of the |
| 12:29:41 15 | BY MR. CANNON: | 12:32:16 15 | therapy for the particular patient? |
| 12:29:42 16 | Q So you would know, when you got the results, | 12:32:18 16 | MS. RHYU: Same objection. |
| 12:29:43 17 | which assay got used? | 12:32:21 17 | BY MR. CANNON: |
| 12:29:45 18 | A Typically. | 12:32:21 18 | Q The treating physician makes a decision |
| 12:29:46 19 | Q How long does it take for you to get the | 12:32:23 19 | MS. RHYU: And instruction, sorry. |
| 12:29:54 20 | results when you order a viral load test to be done? | 12:32:24 20 | (Instruction not to answer.) |
| 12:30:01 21 | MS. RHYU: Objection. Outside the scope. | 12:32:25 21 | BY MR. CANNON: |
| 12:30:01 22 | THE WITNESS: Viral load testing results are | 12:32:27 22 | Q And Dr. Volberding, do you follow your |
| 12:30:12 23 | returned in a variable length of time, days to weeks. | 12:32:29 23 | counsel's instructions with respect to answering the |
| 12:30:16 24 | BY MR. CANNON: | 12:32:32 24 | last few questions? |
| 12:30:19 25 | Q Does it depend on the lab to which the results | 12:32:33 25 | A Yes, I do. |
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|---|---|--|---|
| 12:32:34 1 | Q Dr. Volberding, it's true, isn't it, that the | 12:35:19 1 | THE WITNESS: I think, as I've said, the |
| 12:32:40 2 | treating physician makes the decision about the | 12:35:22 2 | physician has a central role in that determination, but |
| 12:32:41 3 | effectiveness of therapy; correct? | 12:35:29 3 | in fact, the information comes from a number of sources, |
| 12:32:48 4 | A The effectiveness of therapy is a very broad | 12:35:35 4 | and many times the key information comes from someone |
| 12:32:58 5 | term, and is determined with input from a number of | 12:35:37 5 | other than the physician. |
| 12:33:03 6 | sources, other people on a team. Physicians are | 12:35:38 6 | BY MR. CANNON: |
| 12:33:07 7 | certainly involved and usually centrally involved in | 12:35:38 7 | Q I understand that information may come from a |
| 12:33:10 8 | deciding whether treatment is beneficial or not. | 12:35:41 8 | number of sources. I'm trying to pin down to see if |
| 12:33:14 9 | Q Who makes the ultimate decision? | 12:35:44 9 | there is an answer for the question as to who makes the |
| 12:33:17 10 | MS. RHYU: Objection. Lacks foundation. | 12:35:47 10 | ultimate conclusion, if anyone, about the effectiveness |
| 12:33:19 11 | THE WITNESS: Again, the definition of | 12:35:50 11 | of therapy for a particular patient. |
| 12:33:27 12 | "treatment benefit" is a very broad one. And, in fact, | 12:35:53 12 | A Well, and in terms of accepting responsibility |
| 12:33:33 13 | many people on the team can have key roles in that | 12:35:57 13 | for the decision, I think many of the people on the team |
| 12:33:37 14 | assessment, and certainly including the physician or | 12:36:00 14 | that I just mentioned would share in that |
| 12:33:40 15 | nurse practitioner, because in some cases, physicians | 12:36:03 15 | responsibility. Certainly, again, I'm not saying the |
| 12:33:43 16 | aren't directing the care of the patient. But the | 12:36:06 16 | physician doesn't have an important role in that. |
| 12:33:47 17 | provider, the physician, is centrally involved in | 12:36:10 17 | Q But is it your testimony that the physician is |
| 12:33:53 18 | participating in that assessment. | 12:36:13 18 | not the only person that makes the conclusion about the |
| 12:33:56 19 | BY MR. CANNON: | 12:36:16 19 | effectiveness of therapy? |
| 12:33:56 20 | Q So is it your testimony that no one person | 12:36:18 20 | A That's correct. |
| 12:33:58 21 | makes a conclusion about the effectiveness of therapy | 12:36:18 21 | Q Does the lab that performed the assay make a |
| 12:34:01 22 | for a particular patient? | 12:36:30 22 | conclusion about the effectiveness of therapy? |
| 12:34:02 23 | MS. RHYU: Objection. Misstates prior | 12:36:33 23 | MS. RHYU: You're asking about that today? |
| 12:34:05 24 | testimony. | 12:36:35 24 | MR. CANNON: Today. |
| 12:34:06 25 | THE WITNESS: I think the number of people make | 12:36:35 25 | MS. RHYU: I instruct the witness not to answer |
| - | Page 85 | | Page 87 |
| 12:34:09 1 | the conclusion about therapy effectiveness. As I said, | 12:36:38 1 | as being outside the scope of this deposition. |
| 12.54.05 | nic conclusion dood! metapy enterth enterth and | | |
| 12:34:15 2 | | 12:36:39 2 | (Instruction not to answer.) |
| 12:34:15 2 | the provider, the physician especially, is centrally | 1 | • |
| 12:34:15 2 12:34:18 3 12:34:20 4 | | 12:36:39 2 | (Instruction not to answer.) |
| 12:34:18 3 | the provider, the physician especially, is centrally involved in that. BY MR. CANNON: | 12:36:39 2 12:36:39 3 | (Instruction not to answer.) BY MR. CANNON: |
| 12:34:18 3 12:34:20 4 | the provider, the physician especially, is centrally involved in that. | 12:36:39 2 12:36:39 3 12:36:40 4 | (Instruction not to answer.) BY MR. CANNON: Q Do you follow counsel's instructions? |
| 12:34:18 3 12:34:20 4 12:34:21 5 | the provider, the physician especially, is centrally involved in that. BY MR. CANNON: Q Can you tell me who are the people that make | 12:36:39 2 12:36:39 3 12:36:40 4 12:36:42 5 | (Instruction not to answer.) BY MR. CANNON: Q Do you follow counsel's instructions? A Yes, I do. |
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| 12:34:18 3 12:34:20 4 12:34:21 5 12:34:24 6 12:34:32 8 12:34:36 9 12:34:37 10 12:34:37 11 12:34:40 12 12:34:41 13 12:34:42 14 12:34:45 15 12:34:51 17 12:34:57 18 12:35:05 19 | the provider, the physician especially, is centrally involved in that. BY MR. CANNON: Q Can you tell me who are the people that make the conclusion about the effectiveness of therapy? MS. RHYU: Objection. Lacks foundation. THE WITNESS: And may I ask you a question? BY MR. CANNON: Q Sure. A You're asking this in the context of my practice today? Q I'm asking today, yeah. A The people that MS. RHYU: And again, objection. Outside the scope. THE WITNESS: The input into treatment benefit would come from pharmacists, nurses, social workers, family members, the patient, him or herself, and the physician. BY MR. CANNON: | 12:36:39 2 12:36:39 3 12:36:40 4 12:36:42 5 12:36:47 7 12:36:51 8 12:36:52 9 12:36:53 10 12:36:53 11 12:36:54 12 12:36:55 13 12:37:07 14 12:37:09 15 12:37:09 16 12:37:14 17 12:37:17 18 12:37:18 19 13:24:03 20 13:26:59 21 | (Instruction not to answer.) BY MR. CANNON: Q Do you follow counsel's instructions? A Yes, I do. Q Does the manufacturer of the test kit make a conclusion about the effectiveness of therapy for a particular patient? MS. RHYU: Same instruction. (Instruction not to answer.) BY MR. CANNON: Q Do you follow counsel's instruction? A I do. MR. CANNON: Now would be a good time to stop for a break? MS. RHYU: I'm not sure. Yes, why don't we stop. I hear the elevator. THE VIDEOGRAPHER: The time is 12:37. We're going off the record. (Lunch recess.) THE VIDEOGRAPHER: Good afternoon. The time is |
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08/19/07

PAUL VOLBERDING, M.D.

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| 14:54:46 1 | A That's my understanding. | 14:59:26 1 | mentions a Dr. John G. Bartlett. Do you see that? |
| 14:54:49 2 | Q Can you tell me what antiretroviral agents were | 14:59:30 2 | and the state of t |
| 14:55:01 3 | known to those of skill in the art as of May 1992? | 14:59:30 3 | 77 2 40. |
| 14:55:04 4 | A The person skilled in the art in May of 1992 | 14:59:32 4 | A Yes, I do. |
| 14:55:13 5 | would have, I think, been broadly aware of very active | 14:59:32 5 | Q Can you tell me who he is? |
| 14:55:25 6 | development of antiviral agents, a person skilled in the | 14:59:34 6 | - |
| 14:55:30 7 | art would have certainly been aware of a number of | 14:59:39 7 | Q Is he a well-respected physician? |
| 14:55:36 8 | nucleosides, nonnucleosides and protease inhibitors by | 14:59:40 8 | A Yes, he is. |
| 14:55:42 9 | May of 1992. | 14:59:41 9 | Q Do you have a professional relationship with |
| 14:55:43 10 | Q Would they have been aware of them by | 14:59:43 10 | |
| 14:55:47 11 | identification or would they have been aware that | 14:59:43 11 | |
| 14:55:49 12 | they that those compounds that you just identified | 14:59:44 12 | 11 100, 100. |
| 14:55:52 13 | have clinical value in treating patients? | 15:00:00 13 | |
| 14:55:54 14 | A They would have been aware of them either | 15:00:04 14 | and the second s |
| 14:56:01 15 | because of use, in the case of the several that were | 15:00:05 15 | |
| 14:56:04 16 | available by prescription, or by their preclinical and | 15:00:07 16 | |
| 14:56:11 17 | clinical development which varied among the drugs at the | 15:00:08 17 | , |
| 14:56:15 18 | time, and by the level of involvement of the person | 15:00:09 18 | • |
| 14:56:22 19 | skilled in the art in clinical investigation, which | 15:00:18 19 | |
| 14:56:24 20 | again, is part of my definition of a person skilled in | 15:00:22 20 | person who's been involved in HIV research in the past. |
| 14:56:26 21 | the art. | 15:00:25 21 | • |
| 14:56:27 22 | O Is it are the results of clinical trials | 15:00:28 22 | • |
| 14:56:35 23 | publicly known to those of skill in the art before the | 15:00:29 23 | 1 - 1 - 1, 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 |
| 14:56:39 24 | data is presented in papers or conferences? | 15:00:37 24 | read the section beginning in the middle of page 3 and |
| 14:56:47 25 | A The data is typically made available to an | 15:00:42 25 | over to page 4 under Jeffrey D. Lifson's name, which |
| | Page 137 | | Page 139 |
| | | | |
| 14:56:53 1 | investigator in a specific clinical trial as that trial | 15:00:46 1 | purports to show proposed testimony and opinions from |
| 14:56:58 2 | is being analyzed, which can happen slightly before | 15:00:50 2 | Dr. Lifson? |
| 14:57:04 3 | public presentation, but in HIV, the pace of development | 15:00:51 3 | A Yes, I read this. |
| 14:57:10 4 | was such that most developments were available publicly | 15:00:52 4 | Q Do you have any opinions about the statements |
| 14:57:17 5 | in the form of scientific presentations or publications. | 15:00:57 5 | or proposed testimony set forth for Dr. Lifson here? |
| 14:57:28 6 | Q You will agree that HAART therapies were not | 15:01:00 6 | MS. RHYU: Objection. Compound. |
| 14:57:31 7 | available to those of skill in the art as of May 1992? | 15:01:02 7 | THE WITNESS: If you could give me just a |
| 14:57:36 8 | MS. RHYU: Objection. Compound and vague. | 15:01:04 8 | minute to |
| 14:57:39 9 | THE WITNESS: I think we addressed that | 15:01:04 9 | BY MR. CANNON: |
| 14:57:41 10 | earlier, and said that the availability of the elements | 15:01:04 10 | Q Sure. |
| 14:57:50 11 | of that acronym, especially the nonnucleosides and | 15:01:05 11 | A refresh my memory of this document. |
| 14:57:55 12 | proteases, were entering clinical development in 1990 | 15:01:07 12 | Q Sure. Take your time. |
| 14:58:01 13 | through 1992, and may have, in fact, been combined in | 15:01:37 13 | A Okay, your question again? |
| 14:58:06 14 | ways that would be called HAART, but the term hadn't | 15:01:41 14 | Q Do you disagree with any of the proposed |
| 14:58:13 15 | really been coined yet. | 15:01:44 15 | testimony of Dr. Lifson? |
| 14:58:45 16 | (Deposition Exhibit 17 marked.) | 15:01:45 16 | MS. RHYU: Objection. Outside the scope. |
| 14:58:45 17 | MR. CANNON: Marking, as Exhibit 17, a document | 15:01:47 17 | THE WITNESS: It's not |
| 14:58:52 18 | entitled "Joint Claim Construction and Prehearing | 15:01:49 18 | MS. RHYU: And compound. If you want to ask |
| 14:58:54 19 | Statement Under Patent Local Rule 4-3." | 15:01:51 19 | him about specific statements one at a time, go for it. |
| 14:58:58 20 | Q Have you seen this document before, | 15:01:58 20 | THE WITNESS: In general, it's not an area that |
| 14:59:04 21 | Dr. Volberding? | 15:02:00 21 | I would be expected to address in any real detail. |
| 14:59:05 22 | A Yes. I don't recall whether I've seen it in | 15:02:07 22 | BY MR. CANNON: |
| 14:59:07 23 | exactly this format or not, but yes, I've seen this | 15:02:14 23 | Q Following up counsel's objection, to make sure |
| 14:59:13 24 | document before. | 15:02:16 24 | that make sure that we're on the same page, the |
| 14:59:14 25 | Q Let's take a look at Exhibit G. Exhibit G | 15:02:20 25 | bottom of page 3 of this document states, "He" and |
| | · | | |
| | Page 138 | | Page 140 |

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|---|--|--|---|
| 15:39:03 1 | scope, and misleading. | 1 | |
| 15:39:06 2 | THE WITNESS: And I'm really sorry, maybe it's | 2 | |
| 15:39:10 3 | the time of day, but could I hear the question one more | 3 | |
| 15:39:13 4 | time? | 4 | |
| 15:39:13 5 | MR. CANNON: Of course. Of course. As many | 5 | |
| 15:39:15 6 | times as you need. | 6 | |
| 15:39:16 7 | Please read it back. | 7 | |
| 15:39:34 8 | (Record read.) | 8 | |
| 15:39:34 9 | MS. RHYU: And I have to object that this is | 9 | |
| 15:39:35 10 | very misleading. If you want to aim him toward any | 10 | I, PAUL VOLBERDING, M.D., do hereby declare |
| 15:39:40 11 | results in there that relates to monitoring of | 11 | under penalty of perjury that I have read the foregoing |
| 15:39:45 12 | antiretroviral therapy, please do that, or give him the | 12 | transcript; that I have made any corrections as appear |
| 15:39:45 12 | opportunity to read the entire article, but this is | 13 14 | noted, in ink, initialed by me, or attached hereto; that |
| 15:39:50 14 | T T | 15 | my testimony as contained herein, as corrected, is true and correct. |
| | really unfair to throw that article in front of the | 16 | EXECUTED this day of, |
| 15:39:53 15 | witness and ask him to answer that question when he | 17 | 20, at, |
| 15:39:55 16 | hasn't considered it prior to this deposition. | | (City) (State) |
| 15:40:00 17 | THE WITNESS: So the article in Exhibit 13 | 18 | (e.ij) (eiaie) |
| 15:40:06 18 | summarizes the results of some of the development of | 19 | |
| 15:40:11 19 | viral load quantitation and patients with HIV infection. | 20 | |
| 15:40:16 20 | BY MR. CANNON: | 21 | |
| 15:40:16 21 | Q Right. And you considered this article | 22 | |
| 15:40:22 22 | important when you read it back in 1991; correct? | | PAUL VOLBERDING, M.D. |
| 15:40:25 23 | A I think this is an important article. | 23 | |
| 15:40:30 24 | MR. CANNON: No further questions. | 24 | |
| 15:40:34 25 | MS. RHYU: Thank you. | 25 | |
| | Page 157 | | Page 159 |
| | | | |
| 4F-40-0F-1 | AD CANDON The beautiful for the first firs | | |
| 15:40:35 1 | MR. CANNON: Thanks very much for your time, I | 1 | I, the undersigned, a Certified Shorthand |
| 15:40:38 2 | appreciate it. | 2 | Reporter of the State of California, do hereby certify: |
| 15:40:38 2 15:40:38 3 | appreciate it. THE WITNESS: Oh, yeah. | 2 3 | Reporter of the State of California, do hereby certify: That the foregoing proceedings were taken |
| 15:40:38 2 15:40:38 3 15:40:40 4 | appreciate it. THE WITNESS: Oh, yeah. THE VIDEOGRAPHER: This concludes today's | 2 3 4 | Reporter of the State of California, do hereby certify: That the foregoing proceedings were taken before me at the time and place herein set forth; that |
| 15:40:38 2 15:40:38 3 15:40:40 4 15:40:42 5 | appreciate it. THE WITNESS: Oh, yeah. THE VIDEOGRAPHER: This concludes today's deposition of Dr. Paul Volberding. The number of media | 2 3 4 5 | Reporter of the State of California, do hereby certify: That the foregoing proceedings were taken before me at the time and place herein set forth; that any witnesses in the foregoing proceedings, prior to |
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