

1 IN THE UNITED STATES DISTRICT COURT
2 FOR THE MIDDLE DISTRICT OF PENNSYLVANIA
3 HARRISBURG DIVISION

3 , : CASE NO.
4 Plaintiff : 1:04-CV-01081
4 vs. :
5 YORK HOSPITAL : Harrisburg, PA
5 Defendant : 4 January 2006
6 : 9:300 a.m.

7 TRANSCRIPT OF TRIAL TESTIMONY OF
8 DR. IRA MEHLMAN, M.D.
9 BEFORE THE HONORABLE CHRISTOPHER C. CONNER
10 UNITED STATES DISTRICT JUDGE

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I N D E X
vs. York Hospital
1:04-CV-01081
Testimony of Dr. Mehlman, M.D.
4 January 2006

PROCEEDINGS

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THE COURT: Good morning. Please be seated.

MR ROTHSCHILD: Good morning, Your Honor.

THE COURT: Mr. Rothschild, please call your next witness.

MR ROTHSCHILD: Thank you, Your Honor. At this time the plaintiff would like to call to testify Ira Mehlman, M.D.

THE COURT: All right. Dr. Mehlman, please step forward and be sworn.

(Dr. Ira Mehlman, M.D. was called to testify and was sworn by the courtroom deputy.)

COURTROOM DEPUTY: Please be seated and state your full name for the record.

THE WITNESS: Ira Mehlman. I-R-A,
M-E-H-L-M-A-N.

DIRECT EXAMINATION BY MR ROTHSCHILD:

Q. Good morning. Dr. Mehlman, would you please tell the jury what your occupation is?

A. I'm a physician.

Q. Doctor, just so that everybody can hear you, you have to make sure that you're talking into the microphone so that everything gets picked up. And, Dr. Mehlman, are you currently licensed to practice medicine?

1 A. Yes, I am.

2 Q. Where are you licensed?

3 A. In New York state.

4 Q. Can you please describe for the jury your
5 educational background towards becoming a
6 physician?

7 A. I went to college at Princeton, in
8 Princeton, New Jersey, and I went to medical
9 school at Cornell Medical School, being in
10 Manhattan, New York Hospital.

11 Q. What year did you complete or obtain your
12 medical degree?

13 A. 1968.

14 Q. Upon completion of your medical school
15 training what did you do?

16 A. I did an internship and beginning of a
17 residency. I went out to San Francisco and
18 did what was called a rotating internship, which
19 was a mixture of the important specialties in
20 medicine, and then the following year what's
21 called PGY-2, I did the first year of a
22 residency in internal medicine. That was 1969
23 to '70, and that was in San Francisco at the
24 Kaiser Medical Centers.

25 Q. Then what did you do in 1970?

1 A. That was the time of the Vietnam conflict,
2 and there was a draft and I was drafted and went
3 into the Army. I had what was called a partial
4 deferment, sort of a lottery, and I got pulled
5 out of my residency and was sent as a general
6 medical officer into the Army, and a number of
7 assignments, primarily in Europe for four years.
8 At the end of that time I intended to complete
9 my medicine residency, and I enjoyed my military
10 their experience. So I was allowed to, I was
11 offered a position at Walter Reed in Washington,
12 D.C., and I came back and completed two more
13 years of a medical residency and -- shall I
14 continue?

15 Q. Yes. That was Walter Reed Army Medical
16 Center?

17 A. Yes.

18 Q. Then when you completed the residency
19 in internal medicine what did you do?

20 A. Then I was offered a position as a junior
21 staff at Walter Reed Hospital in the Department
22 of Medicine, saw patients, and taught for the
23 year from '76 to '77, and at that time I was, I
24 was interested in endocrinology and metabolism,
25 and I was offered a fellowship at Walter Reed in

1 endocrinology and metabolism, which I did from
2 1977 to 1979.

3 Q. And what did you do in 1979?

4 A. I was staff at Walter Reed and participated
5 in seeing patients at Walter Reed, and then
6 teaching the house staff in training in both
7 internal medicine and in endocrinology and
8 metabolism, and I did some research and had
9 some publications at that time from 1979 to
10 around 1981.

11 Q. Then in 1981 what did you do?

12 A. Well, throughout that time I had three
13 young children, so I was doing some moonlighting
14 working in critical care in the Washington, D.C.
15 area, and I was doing a lot of emergency
16 medicine and critical care medicine. Those were
17 the early days of both those specialties, and in
18 1981 the Surgeon General of the Army asked me
19 to, he knew of my interest in critical care and
20 emergency medicine, it was the very earliest
21 days of emergency medicine as a specialty, he
22 asked me to participate in developing the
23 emergency department at Walter Reed Army Medical
24 Center, and I did that. I was the director and
25 developed the emergency medicine department at

1 Walter Reed Army Hospital from 1981 until I
2 retired in 1992 from the Army after 23 years.

3 Q. And what was involved in what you did then
4 in those eleven years at Walter Reed at the
5 emergency department?

6 A. Well, it was a new specialty. It was
7 developing the protocol, the policies for
8 practicing emergency medicine. Before that
9 it was, emergency medicine in the early 70's
10 was staffed by whoever was available or people
11 who were building new practices or people who
12 were assigned on a roster to sort of participate
13 in helping staff the emergency department, and
14 so the paradigm shift, the change was to develop
15 people who were trained and really knew the
16 issues rather than just sort of coming in.

17 So I had developed a staff, recruited
18 people who were training in this new residency
19 that was developed, and developed a staff of
20 trained emergency medicine physicians and
21 developed protocols and policies that sort of
22 defined how we did business in the emergency
23 department, the critical or high volume issues
24 that have to have policies to define how you
25 treat a pneumonia or a heart attack or things

1 like that. So I developed the department, the
2 policy, the protocols, and hired and recruited
3 people appropriate.

4 Q. Were you, did you also work in the
5 emergency department at Walter Reed?

6 A. Certainly, yes.

7 Q. And was that on a regular full-time basis?

8 A. Yes.

9 Q. Now, can you describe for the jury the
10 field of emergency medicine?

11 A. Well, emergency medicine specialty since
12 the late 70's recognized, incorporated, is the
13 specialty where the emergency department is open
14 seven days a week, 365 days a year. It treats
15 male and female patients, patients of all ages.
16 It's the place first or last resort for patients
17 when they have no other recourse or don't, are
18 not able to be seen for various reasons by
19 private doctors, and it's the place where
20 patients come when their private doctors are
21 not available.

22 So we see, in emergency medicine we see all
23 kinds of patients. We see them in large volumes
24 or small volumes. We see them at any time of
25 the day or the year and in any circumstances.

1 It's where the most acute, most dangerous, most
2 life and limb threatening illnesses present
3 first, and it's where they get their initial
4 treatment and triage and admission or discharge,
5 and I also tell the young doctors that emergency
6 medicine physicians, our job is to figure out
7 what needs to be done now or five minutes ago to
8 save a life or a limb, and then does the patient
9 need to be admitted or not.

10 If not, what is the disposition going to
11 occur and to whom and with what treatment, and
12 if the patient is going to be admitted to
13 initiate that process and engage the appropriate
14 consultants. We're expected in all the areas of
15 medicine, from neonatal newborn, the first
16 thirty days of life, to 100 year old patients
17 to come in, to be aware enough and knowledgeable
18 enough to initiate life and limb saving
19 treatment and to contact appropriate people
20 to participate in the further care, if that
21 answers the question.

22 **Q.** Are you board certified in any specialties?

23 **A.** I'm board certified in three specialties.

24 I was originally board certified for internal
25 medicine by the American College of Physicians.

1 I'm also a fellow of that college. I'm board
2 certified for my training and work in
3 endocrinology and metabolism, and I'm board
4 certified in emergency medicine and a fellow of
5 the American College of Emergency Physicians for
6 my work in emergency medicine.

7 Q. In general can you tell the jury what it
8 means to be board certified in a specialty?

9 A. Board certification means that you have --
10 excuse me, board certification means that you
11 have mastered core curriculum in a specialty
12 that's been defined by the board, a certain
13 amount of material, minimal material that's
14 expected that you know and have mastered. It's
15 expensed that you know how to examine and treat
16 patients in that specialty, that you know how to
17 do an appropriate exam in the specialty in all
18 the areas of that specialty, and then the
19 department head or the head of the program that
20 you're in certifies that you have mastered the
21 material and the techniques for treating
22 patients, like a nose bleed for example, which
23 is special, and then you're allowed to sit for
24 the exam, which for the most part are written
25 exams, and in some specialties written and oral

1 exams, and if you have done all those things and
2 successfully completed the examinations, then
3 you're eligible for board certification and
4 become board certified.

5 Q. And in the specialty of emergency medicine,
6 what specifically did you have to do to become
7 board certified in that?

8 A. Well, I was of the original generation of
9 doctors who were doing emergency medicine before
10 the residencies even existed, because it's a
11 relatively new specialty, just like in critical
12 care is the same thing, and so I had 7,000
13 hours, or five years of work in the field, and
14 I was certified that I had the correct number
15 of hours and was practicing in that field, and
16 so I was allowed by the board to sit for the
17 exams because I had been doing the new
18 specialty. So I took the written and the oral
19 exam in the specialty.

20 Q. And when was it that you were board
21 certified in emergency medicine?

22 A. 1991 is when I got certified, when I asked
23 to take the exam.

24 Q. And by whom, what board is it that you're
25 certified?

1 A. The American Board of Emergency Medicine.
2 American College of Emergency Medicine.

3 Q. What is the American College of Emergency
4 Medicine?

5 A. It's the official organ that represents
6 emergency medicine physicians. It's the, like
7 every specialty has a legitimate official board,
8 it is that board.

9 Q. Now, when you retired from the military in
10 1992, what did you do?

11 A. Well, I continued, I had 23 years of
12 service in the Army. I retired as an O-6
13 colonel, and I retained in the Washington, D.C.
14 area and the Walter Reed area, and I initially
15 worked at Sibley Hospital as the associate
16 director of that department. Subsequently I
17 went to the Washington Hospital Center, which
18 is the big hospital with a big helicopter
19 service and urgencies and big teaching programs
20 at the Washington Hospital Center.

21 Then I had a number of, then I had, I was
22 senior attending there. Then I was director of
23 a group at Bethesda Naval Hospital for three
24 years of an emergency department, pediatric and
25 ambulatory care contract that the Navy had.

1 I ran that for three years. Then there was a
2 period after that that I was up as I recall, I
3 don't have my CV in front of me, but I was in
4 South Amboy, New Jersey, I was running Memorial
5 Medical Center emergency department for a brief
6 period until it closed its doors, and then --

7 Q. Let me interrupt you for a minute. Your
8 Honor, may I approach?

9 THE COURT: Certainly.

10 Q. I'm going to show you what we've marked as
11 Plaintiff's Exhibit 1. I'll ask you to identify
12 it, and you'll have this in front of you. What
13 is that, Dr. Mehlman?

14 A. It's my curriculum vitae, my CV.

15 Q. Continuing with your testimony, you
16 certainly may refer to that.

17 A. Then I went to southern Maryland, a place
18 called St. Mary's Hospital in Leonardtown,
19 Maryland, a beautiful place on the Chesapeake,
20 and I was director there for two years of the
21 emergency department, and at that point I was
22 interested in coming back to New York City where
23 I grew up, my children had grown, and I was
24 interested in being back in the New York area.
25 I had family and friends, and so in around 2000,

1 I guess it was 2001 to 2003 I was director of
2 the emergency department and working as a staff
3 physician at the Mary Immaculate Hospital in
4 Queens, which is part of the St. Vincent
5 Catholic medical centers in Manhattan.

6 So I did that for two years, and for the
7 last two plus years I was the director of the
8 emergency department at NYACK Hospital, which
9 is at the foot of the Tapan Zee Bridge in
10 Rockland County in the New York City area,
11 and I just resigned that position as director
12 on January 1, a few days ago. I had been a
13 director roughly or 25 years of a number of
14 emergency departments, and I decided that at
15 this time in my life I really just want to see
16 patients a few days a week and not answer to
17 what other people are doing anymore and not
18 being on call eight days a week with two beepers
19 and a phone, and so I'm now currently as of
20 January 1 working about 30 hours a week in
21 emergency medicine just seeing patients, and
22 happy.

23 Q. And where are you doing that?

24 A. At NYACK.

25 Q. First of all, in your position as the

1 director of emergency medicine at NYACK

2 Hospital what did you do?

3 A. Well, I ran the department, which means
4 reviewing and refining and creating policies,
5 which means hiring and firing appropriate
6 people, and a big part of director is you're
7 reviewing probably 15 to 20 percent of all the
8 charts that pass through the department for
9 various reasons. We do a lot of what's called
10 benchmarking, where we look at the time to
11 initiation, intubation for example if a
12 patient's airway is failing, or the time to
13 giving treatment like in a heart attack patient
14 to, what's called thrombolytic therapy in the
15 heart, or like the case under discussion today,
16 the management of a stroke, time to initiation
17 of treatment.

18 So in fact at the hospital I'm at, NYACK,
19 we were certified this past year as a stroke
20 center for the state of New York, and so the
21 director, along with the head of nursing and
22 hospital's leadership helped develop policies,
23 directions for the department, and make sure
24 that the outcomes are appropriate.

25 Q. You talked about several of your other

1 positions as directors of various emergency
2 medicine departments, and as a director were
3 those duties similar to what you did at NYACK?

4 A. Yes.

5 Q. Now, also at NYACK when you were the
6 director did you also practice emergency
7 medicine on a regular daily basis?

8 A. Yes, 30 hours or so a week, or more.

9 Q. And as we move into this year you're going
10 to continue the practice of emergency medicine?

11 A. Yes.

12 Q. So that I guess now how long altogether
13 have you been practicing emergency medicine?

14 A. Probably since around 1978. So what's
15 that, 22, 27 years possibly emergency medicine.
16 37 years medicine. 27 or so years officially
17 in emergency medicine.

18 Q. Can you calculate or estimate the number of
19 emergency department patients you have seen
20 during the course of those approximately 27
21 years?

22 A. Probably seventy-five, eighty thousand
23 patients. I don't know. A lot.

24 Q. Now, doctor, this case involved the alleged
25 failure to treat with TPA within

1 three hours of suffering a stroke. Have you had
2 experience during your career as an emergency
3 physician in diagnosing and treating patients in
4 the emergency department with stroke?

5 A. Yes.

6 Q. And over the course of the last ten years
7 have you had that continuing experience?

8 A. Yes.

9 Q. And have you had experience over the last
10 ten years with using TPA with stroke patients?

11 A. Yes.

12 Q. And could you describe what your experience
13 has been --

14 A. With TPA for stroke patients?

15 Q. Yes.

16 A. I've probably treated eight to ten
17 patients, maybe ten patients with TPA over
18 the last -- probably the first one I treated
19 was at St. Mary's Hospital in Leonardtown.
20 That would be around 2000, 1999, 2000. So
21 that's seven years or so ago, and I probably
22 treated ten or so patients.

23 Q. And when using TPA how do you determine
24 when to use it?

25 A. Well, it's very, it's a powerful treatment.

1 -TPA was used as the initial drug that was
2 used --

3 MR. STUMP: Excuse me, Your Honor?

4 THE COURT: Yes?

5 MR. STUMP: I think we're getting into
6 substance here, and I'd like the opportunity
7 if I could to cross examine him on
8 qualifications.

9 THE COURT: Mr. Rothschild?

10 MR ROTHSCCHILD: I can move that later.
11 I don't have a problem with that, Your Honor.

12 THE COURT: All right. If you could finish
13 qualifications and identify the fields in which
14 Dr. Mehlman will be asked to be an expert, then
15 I'll allow Mr. Stump an opportunity to cross
16 examine on qualifications.

17 MR ROTHSCCHILD: Sure.

18 BY MR. ROTHSCCHILD:

19 Q. Thank you. You mentioned you were involved
20 in the certifying of NYACK Hospital as a stroke
21 center. And just briefly, what is a stroke
22 center?

23 A. Well, in the state of New York there are
24 designated stroke centers, and that means
25 that they have all the pieces exist for the

1 management of stroke, which means they do work
2 with the EMS and the paramedics so that they
3 educate the community in which the emergency
4 department is, so that even at assisted living
5 facilities, at nursing homes, and all the places
6 the word is out so that patients get brought in
7 promptly, because time is critical.

8 So education, the hospital participates in
9 educating the community. The hospital works
10 with the EMS paramedic system so that everybody
11 appreciates the things to look for to know
12 whether that's an issue, and then those
13 ambulances in New York state are diverted to
14 centers that have expertise or who participate
15 in a stroke program, and then when the patient
16 reaches a hospital, the emergency department,
17 which is where it happens, that all the pieces
18 are in place and there are protocols, there are
19 plans that define what is going to happen when
20 that patient comes in.

21 Like two nurses and a doctor will move to
22 the bedside right away, the CAT scans, which are
23 essential, are notified and clear the table so
24 that the scan can be done immediately. The
25 laboratory is notified that they're going to

1 be getting the blood studies that are required
2 so that they're going to turn those out
3 immediately, truly stat. So all that's in
4 place, and then also there's a team leader
5 typically who's a neurologist who will be called
6 and participate on the phone typically initially
7 until they get there.

8 And then the other piece, too, is the
9 follow-up, that they go to a defined bed in
10 the hospital where nursing staff are educated
11 to the special issues of stroke patients, like
12 swallowing problems. And then also that the
13 physical rehab piece exists so that as soon as
14 the patient gets in, there are people in
15 physical medicine who know about the issues and
16 are trained to start reeducating and maximizing
17 the ability to return to full life in those
18 patients with whatever residual they're left.

19 So a stroke center has, is doing work with
20 the community, educating, making sure the EMS
21 know the signs so that they don't take them to
22 a place where they shouldn't be to get the most
23 chance at recovery, and a staff that has
24 policies in place and procedures to make sure
25 things happen in time, quick time, and then the

1 follow-up, the right bed, the right personnel,
2 and then disposition correctly. So if answers
3 your question, that's what a stroke center is
4 about.

5 Q. And during the course of your career in
6 emergency medicine have you been involved in
7 any teaching, teaching of residents?

8 A. Yes. Yeah, I was for many years an
9 assistant professor of medicine, and I was
10 also when I was at Walter Reed we had a number
11 of students from Howard University, from GW,
12 where President Reagan was treated when he was
13 shot, the emergency department from Georgetown
14 Medical Center, they would all rotate through
15 Walter Reed, because we had a great patient
16 population, a tremendous referral base from all
17 over the world.

18 So as a professor, initially the assistant
19 professor at Walter Reed, I was also for a time
20 of a number of years also recognized as an
21 assistant professor at GW, George Washington
22 University, at Georgetown University, and then
23 later in the late 90's I was an associate
24 professor of medicine when I was director at
25 the Naval Hospital of the emergency department

1 in recognition of the teaching that we did in
2 the department, if that answers your question.

3 Q. And your teaching involved, was with whom?

4 A. With residents and students, students in
5 training and residents in post-graduate
6 training, and typically in medicine, surgery,
7 pediatrics, the people who would rotate through
8 the emergency department.

9 MR. ROTHSCILD: Thank you, Dr. Mehlman.

10 I have no further questions on direct
11 qualifications, Your Honor.

12 THE COURT: And in what fields are you
13 offering him?

14 MR. ROTHSCILD: I'll be offering him as an
15 expert in the field of emergency medicine.

16 THE COURT: All right. Mr. Stump, do you
17 have questions on qualifications?

18 MR. STUMP: I do, Your Honor. Thank you
19 very much.

20 THE COURT: You may proceed.

21 CROSS ON QUALIFICATIONS BY MR. STUMP:

22 Q. Good morning, Dr. Mehlman.

23 A. Good morning.

24 Q. I introduced myself earlier, my name is
25 Chris Stump, and I represent the health care

1 providers in this case. You've spoken quite
2 a bit about your experiences at Walter Reed, but
3 do I understand you left Walter Reed in 1992?

4 A. Yes.

5 Q. All right. So that was before this issue
6 of TPA for stroke patients occurred, correct?

7 A. Yes.

8 Q. So your experience at Walter Reed really
9 doesn't have any bearing on treatment of acute
10 stroke with TPA, correct?

11 A. That's correct.

12 Q. Now, you did not do a residency in
13 emergency medicine, correct?

14 A. No, I didn't.

15 Q. And in fairness to you it's because when
16 you were at that stage of your career, emergency
17 medicine residency didn't exist?

18 A. Correct.

19 Q. But you then did do a fellowship in did you
20 say endocrinology and metabolism?

21 A. Yes.

22 Q. And that really doesn't involve the
23 treatment of stroke patients, correct?

24 A. No.

25 Q. You did not do a fellowship in neurology

1 for example?

2 A. That's correct.

3 Q. You're not licensed in Pennsylvania, are
4 you, sir?

5 A. No, I'm not.

6 Q. You have never taught in an institution
7 which has a dedicated emergency medicine
8 residency, correct?

9 A. That's correct.

10 Q. All right. So you've done teaching, but
11 not to emergency medicine residents?

12 A. I've had some rotate through, like where I
13 am at NYACK I organize some residents from NYU's
14 program who do electives, but not in a training
15 program setting, yes.

16 Q. Okay, I wanted to make sure that we're
17 clear, and you're not a member of the Society
18 for Academic Emergency Medicine?

19 A. Correct.

20 Q. And you're not a member of the American
21 Academy of Emergency Medicine?

22 A. That's correct.

23 Q. And you've not published any peer reviewed
24 articles on the topic of emergency medicine,
25 correct?

1 A. Right. All my publications are in
2 endocrinology.

3 Q. And that's back from a couple of decades
4 ago when you were in your fellowship, or shortly
5 thereafter I presume?

6 A. Right. Correct.

7 Q. And so the jury is clear, a peer reviewed
8 article is something that an expert or a
9 practitioner submits to be reviewed by his
10 peers, his or her peers, to determine whether
11 it's of sufficient scientific value to be
12 published, correct?

13 A. Yes.

14 Q. And you haven't had any papers published
15 on emergency medicine, correct?

16 A. Correct.

17 Q. And you haven't written any textbook
18 chapters or textbooks on emergency medicine,
19 have you, sir?

20 A. That's correct.

21 Q. You haven't been involved in being a peer
22 reviewer or serving as an editor for any peer
23 reviewed journal which decides what scientific
24 publications warrant dissemination, correct?

25 A. Correct.

1 Q. You haven't been given any invited national
2 scientific presentations on emergency medicine,
3 have you, sir?

4 A. No.

5 Q. You talked about board certification, and
6 let's go back to that for a moment. Now, you
7 said you were of the first group of emergency
8 medicine physicians to be board certified,
9 correct?

10 A. Correct.

11 Q. Did you say you weren't board certified
12 until 1991?

13 A. That's correct.

14 Q. Well, board certification had existed for
15 ten years up until that point?

16 A. About that time, right.

17 Q. So you really weren't part of the first
18 group. You were practicing for ten years and
19 then you became board certified?

20 A. Right. I had two sets of boards and I
21 wasn't sure why I wanted a third, but I took
22 it because I was director of the department.

23 Q. And to be clear though, sir, you didn't
24 pass it the first time, did you?

25 A. I passed the oral the first time -- rather

1 the written the first time, and I repeated the
2 oral and passed it the second time, and I
3 recertified in 2001 without any problems.

4 Q. Okay. Now, I notice from your CV that in
5 1995, again which is when the NINDS study came
6 out, right?

7 A. Correct.

8 Q. On the issue of TPA for treatment of stroke
9 first surfaced?

10 A. Correct.

11 Q. Since 1995, in the last ten years it looks
12 to me like you've had seven different jobs, is
13 that correct?

14 A. That's possible.

15 Q. In four or five different states?

16 A. Four states probably.

17 Q. Four states, and D.C.?

18 A. D.C., correct.

19 Q. Okay. Now, you talked also about the fact
20 that NYACK Hospital, where you just resigned as
21 director of emergency medicine, is designated as
22 a stroke center, correct?

23 A. Correct.

24 Q. Wouldn't it be true, doctor, that you only
25 became designated as a stroke center in

1 September of 2005, almost two years after the
2 care in dispute here?

3 A. It's true that I think all the stroke
4 center designations were starting, that all
5 became an issue this past year or two, yes.

6 Q. So for the two years after the care in
7 dispute the facility that you were the director
8 of was not designated as a stroke center?

9 A. That's correct.

10 MR. STUMP: Those are all the questions I
11 have, Your Honor. If I could approach briefly?

12 THE COURT: You certainly may.

13 MR. STUMP: Thank you.

14 (Side bar at 9:30 a.m.)

15 MR. STUMP: There seemed to be a lot of
16 discussions about policy and procedures, and
17 I would like an offer of proof on whether he's
18 going to opine that York's policies and
19 procedures were inadequate, because there's
20 no claim of corporate negligence in the
21 complaint. The only claim against York Hospital
22 in the complaint is vicarious liability as to
23 the two doctors, which we've stipulated that
24 they were agents, but what was being thrown out
25 here suggests to me that this witness is going

1 to talk about inadequate policies or procedures
2 or policies and procedure that they should have
3 had, and that's not been raised as an issue in
4 the case.

5 THE COURT: Mr. Rothschild, is the *probata*
6 going to match the *allegata*?

7 MR. ROTHSCHILD: I don't know where that
8 came from, Your Honor, quite frankly. Not at
9 all.

10 MR. STUMP: Okay.

11 THE COURT: All right, I don't think we have
12 an issue there. All right?

13 MR. STUMP: Thank you very much.

14 (Side bar concluded at 9:32 a.m.)

15 THE COURT: Ladies and gentlemen, the court
16 will accept Dr. Mehlman as an expert in the
17 field of emergency medicine. Mr. Rothschild,
18 you may continue.

19 MR. ROTHSCHILD: Thank you, Your Honor.
20 Again may I approach the witness?

21 THE COURT: Absolutely. And both you and
22 Mr. Stump and your associates need not ask my
23 permission to approach the witness. I know it's
24 force of habit and those formal rules have been
25 required in the past, but not in this courtroom.

1 MR ROTHSCHILD: Thank you, Your Honor.

2 MR. STUMP: Thank you very much.

3 CONTINUED DIRECT BY MR. ROTHSCHILD:

4 Q. Dr. Mehlman, I'm going to place before
5 you what we have marked as Plaintiff's Exhibit
6 2 for your reference during your testimony.

7 Dr. Mehlman, at my request did you perform a
8 review of various medical records regarding

9 and her admission to York Hospital

10 on ?

11 A. Yes, I did.

12 Q. And did you prepare a report dated February
13 18, 2005 -- February 8, I'm sorry.

14 A. February 8.

15 Q. February 8, 2005?

16 A. Yes.

17 Q. And did you prepare a subsequent report
18 that was dated August 18 I believe of 2005?

19 A. Yes, I did.

20 Q. Are those what's in front of you marked as
21 Plaintiff's Exhibit 2?

22 A. Yes.

23 Q. Now, doctor, if you would please tell the
24 jury a summary of the records that you reviewed
25 in this matter.

1 A. Well, the records are summarized in my
2 report, if may just sort of review them. The
3 medical record from from the York
4 Hospital, - - - - . The EMS, the
5 emergency run sheets for from the
6 Pennsylvania EMS reports of - - . The York
7 Hospital department of emergency medicine
8 guideline of care for CVA or stroke. VA/NIH
9 stroke scale from York Hospital, the York
10 Hospital inquiry, an audit trail concerning CAT
11 scans performed on Maria Amaya on 10-26-02, a
12 CAT scan log for two CAT scanners at York
13 Hospital on 10-26-02. The York Hospital CAT
14 scan -- I said that. Plaintiff's first, second,
15 and third supplements to Rule
16 26(a)(1) disclosure.

17 Q. Doctor, I think you may have missed
18 number 7.

19 A. The York Hospital CAT scan audit, TPA
20 policy, and TPA inclusion exclusion policy,
21 excuse me. The depositions of staff physicians
22 working in the emergency department, Dr. Lynn
23 Jensen, the emergency department resident
24 Dr. Eric Salib, and the emergency department
25 nurse Jovita Miller. Then deposition

1 transcripts of EMS employees Scott Decker,
2 Timothy Ross, and Deborah Herman.

3 Depositions of Maria Amaya, depositions of
4 Maria Amaya's brother Francisco Pineda, daughter
5 Maritza Panameno, sister Santos Pineda, and
6 niece Jessica Pineda. Depositions of doctors
7 Bedreshia, Giardino, and Yi, and a report of
8 Dr. Kurlanzic, M.D. Those are what were, what
9 I reviewed with respect to my first report on
10 February 8th.

11 Q. And doctor, as a result of the review were
12 you able to obtain a history of the events
13 surrounding Maria Amaya and the events of
14 October 26th, 2002?

15 A. Yes.

16 Q. And could you describe, please, that
17 history?

18 A. Well, on 10-26-02 Maria Amaya was attending
19 a religious retreat, which had left from around
20 the D.C., Maryland area. She was traveling with
21 her brother, Mr. Pineda, and they were on a bus
22 heading through Pennsylvania. They had left at
23 around 6:00 in the morning, and they were
24 singing songs on the bus, and then some an acute
25 episode occurred sometime in my opinion from

1 reviewing everything sometime at around 8:00,
2 shortly after 8:00 in the morning on 10-26-02.

3 Maria Amaya had an acute episode of change
4 of behavior, of function, of status. She
5 acutely stopped singing and slumped over on
6 her brother's shoulder. They were sitting in
7 the front part of the bus. That was quickly
8 brought to the attention of the bus driver, who
9 pulled off to the side of road and with a cell
10 phone called 911.

11 The 911 call is registered at around 8:14
12 as I recall in the morning. The EMS emergency
13 medicine services responded and were at the site
14 at around, shortly around, sometime around 8:30,
15 8:26, 8:30, and at that time they found her
16 there at the scene, 8:25, and they found that
17 she had a possible cerebral vascular accident
18 with slurred speech and left-sided findings of
19 weakness and some facial changes, and they
20 notified the hospital, York Hospital, by phone
21 as often happens, that they were coming in, and
22 they arrived at the hospital sometime around I
23 think it was 9:03, and Maria Amaya was
24 registered by 9:14 at hospital.

25 Q. Now, in the records that you reviewed were

1 you able to tell when the notification from EMS
2 came to York Hospital? Was there a time that
3 you referenced?

4 A. The phone notification --

5 Q. Yes.

6 A. -- was around 8:41 I think is when they
7 notified.

8 Q. Now, then if you would continue, you
9 mentioned that she was registered at 9:14 a.m.,
10 and if you could continue your history at that
11 point and what you found occurring in the
12 hospital starting at 9:14.

13 A. Well, she was noted to have left-sided
14 weakening in her initial triage and assessment,
15 some gaze problems with her eyes, deviation of
16 gaze to the opposite side, diagnosed as having a
17 cerebral vascular accident. Was evaluated
18 initially by Dr. Salib, who was a resident in
19 training in the emergency department. He first
20 saw the patient and a CAT scan and laboratory
21 tests were ordered. Subsequently Dr. Lynn
22 Jensen participated in the evaluation with
23 Dr. Salib.

24 Q. And were other tests ordered in addition
25 to the CAT scan?

1 A. Yes, blood tests for clotting studies were
2 ordered, platelet counts, PT and PTT, which is a
3 measure of clotting to look for what's called
4 the coagulopathy, or a clotting problem, and
5 other tests, cardiogram and other typical tests
6 that we order on such patients in the emergency
7 department.

8 Q. And were you, if you would continue then
9 with your history and some of the findings then
10 from the studies.

11 A. Well, all the studies were basically for
12 the most part, they were normal. The CAT scan
13 that was performed, and I think it was ordered
14 as I recall the, it's around 10:04 it came back
15 as basically a normal CAT scan. The blood tests
16 were in the normal range.

17 Q. And what did that signify, the CAT scan
18 being normal?

19 A. Well, in patients who present with the
20 picture of a cerebral vascular accident or
21 stroke, the critical things are when did it
22 happen, time is critical, and is it ischemic
23 stroke, meaning no blood clot or something
24 blocking a vessel or just a closure of vessel,
25 or is it a hemorrhagic stroke where there is

1 actually a bleed. So that's the critical
2 determination. So the CAT scan being entirely
3 normal is very important.

4 Q. You mentioned the time of 10:04, and what
5 is that reference related to with regard to the
6 CAT scan?

7 A. The time?

8 Q. Yes. What does the 10:04 time refer to?

9 A. The time it was completed.

10 Q. Now, doctor, what is the role of an
11 emergency department physician when obtaining
12 a history from a stroke patient?

13 A. Well, the role of an emergency department
14 physician is as I said earlier is to save life
15 and limb, keep the patient the most whole
16 possible and alive, and in a patient with,
17 presenting with a stroke one of the, the most
18 important thing is time in terms of what can
19 you do for a patient with a stroke. There's
20 a potential to greatly improve or cure some
21 patients with strokes, and time is most
22 critical. It's one of the adages that started
23 with cardiac problem is that time equals tissue
24 in terms of heart attacks, and it's the same
25 thing in a stroke. Time equals tissue.

1 Q. So that in talking then in terms of
2 obtaining a history from a stroke patient,
3 what is appropriate to be done?

4 A. Well, you absolutely have to determine if
5 possible when this happened. Patients who wake
6 up with a stroke, which is not unusual because
7 of a number of things, but it's not a surprise
8 that people get strokes because their blood
9 pressure is higher when they're supine in bed
10 and other reasons, but if a patient wakes up
11 with a stroke you have no idea what time zero
12 is, if they'd been sleeping four, five, or six
13 hours.

14 If they just went to sleep an hour ago and
15 they were fine that's a different story, but if
16 a patient wakes up in the morning and has a
17 stroke, there is no treatment except the things
18 beyond thrombolytic therapy, the good care, the
19 managing sugar, the managing blood pressure,
20 and the rehab, and the physical medicine. But
21 time is critical because there is a treatment.
22 There's a standard, there's an accepted
23 treatment, and that treatment has to be given
24 at the right time, because if it's not it
25 becomes dangerous. So there is a treatment, and

1 the most important thing when somebody comes in
2 is to know exactly what the time was as best you
3 can.

4 Q. Now --

5 A. If that answers your question.

6 Q. It does, thank you, doctor. Then let's
7 talk about TPA. If you could, could you
8 describe what TPA is?

9 A. Tissue plasminogen activator is what it
10 stands for. It's a clot buster. It breaks
11 down, everybody's probably heard about Heparin.
12 Heparin and Coumadin prevent blood from
13 clotting. TPA breaks down clots. It breaks
14 down pre, already formed clots, so it gets rid
15 of it. Heparin and Coumadin prevent it from
16 propagating and occurring, but TPA breaks down
17 clots.

18 And anybody has members who are on
19 dialysis, sometimes catheters clot, you inject
20 something like TPA, a streptokinase or one of
21 those drugs that breaks down the clot and allows
22 them to be dialyzed again, because it gets rid
23 of the obstruction. It gets rid of it, and so
24 it's what's called, you know, popular language,
25 clot buster, and it's the original -- well,

1 streptokinase is the original drugs that break
2 clots down and then there are other drugs that
3 are used particularly in the heart, the same
4 family of actions, but TPA is the drug, the only
5 drug that's approved and used in brain attacks,
6 strokes, in the brain clots where there's
7 ischemia. Not a bleed, because then it would
8 not be something that you would do.

9 Q. To follow up then, doctor, and you
10 mentioned in terms of ischemia, but what
11 is TPA used for with stroke patients?

12 A. What is it used for?

13 Q. Yes.

14 A. It's to reopen blocked vessels, if it can
15 be done in the right time period, and the reason
16 that's important is if you have a fresh clot and
17 it's less than three hours, then it's been found
18 that if you can open that you get a better
19 outcome. If you go beyond three hours what
20 happens is the absence of circulation, the
21 absence of what's called perfusion, of getting
22 blood to tissue, when you go beyond three hours
23 for sure you start, tissue starts dying, cells
24 start dying, and the more and the further you
25 get and the more death in those cells when those

1 cells that are dead or devitalized are not
2 normal, when you give TPA then they are the
3 kind of cells that are likely to bleed.

4 So what happens with TPA if it's given too
5 late or in somebody with a big infarct, a big
6 area of tissue damage, in that situation with a
7 big stroke, ischemic, not bleeding, a big stroke
8 or an area that's over three hours, the
9 likelihood of bleeding becomes much greater.

10 So beyond three hours it becomes dangerous to
11 give TPA. That's why there's a time frame.

12 It's better to give it in 30 minutes. It's
13 better to give it in an hour. It's better to
14 give it in two hours. But once you get beyond
15 three hours then the outcome, the risks start
16 exceeding the benefits. That's why the time is
17 so critical.

18 Q. And that risk again if you go beyond three
19 hours, what's the risk involved then?

20 A. Well, the risk beyond three hours becomes,
21 the risk of bleeding becomes substantially
22 greater. So it outweighs the potential for
23 benefit.

24 Q. And the bleeding would be in what area
25 of the body?

1 A. Well, bleeding can occur anywhere with TPA.
2 But we're worried in patients, because if
3 somebody has had any recent surgery or anything
4 else, you're not going to give them TPA either.
5 There's a whole bunch of criteria to exclude
6 treatment with TPA, but assuming that the time
7 is right and there's no other source of
8 bleeding, possibly like an accident or a fall
9 when they had the stroke, or a seizure, any of
10 the exclusions, if none of those exist the risk
11 that you're worried about is in the brain, and
12 it is an increased risk.

13 But despite that, the statistics on TPA say
14 that patients who get TPA who are candidates and
15 get it, even if they have a bleed, even if they
16 have the worst complication of bleed in their
17 head, their survival is still better than the
18 untreated group. That's important. Even if
19 they get this bleed this thing that people that
20 we all worry about, physician do no harm, we
21 worry about that, but even if they get that
22 bleed, they have a greater survival than
23 untreated patients who were candidates of TPA,
24 and it's the only possibility, it's only about
25 12 percent greater than the untreated group, but

1 it's the only chance of somebody not being
2 paralyzed for the rest of their life, trapped in
3 their body and a burden on their family in their
4 mind, whether they are or not, but in their mind
5 certainly, and it's the only chance that
6 somebody, a family member would have of being
7 whole or markedly improved. There is no other
8 treatment. It's dangerous. Chemotherapy is
9 dangerous. The way you treat cancer with
10 radiation and chemo can kill a patient. But
11 what's the alternative?

12 Q. Now, doctor, then are all patients who
13 present with a stroke candidates for TPA?

14 A. No. Small number, my career maybe I have
15 treated ten patients, and one had a bleed. It
16 wasn't a head bleed, it was actually a GI, a
17 gastrointestinal bleed of significance. But no,
18 most patients for a number of reasons are not
19 candidates, but those who are should have the
20 opportunity of a full recovery or a significant.

21 Q. Now, doctor, when was TPA approved for use
22 in stroke patients?

23 A. Well, the landmark studies as I recall were
24 at the NIH, the National Institutes of Health
25 study, and those were as I recall 1995, 1996 was

1 when the literature as was talked about by
2 Mr. Stump, the peer reviewed journals, the New
3 England Journal, all the appropriate journals
4 were 1995/96 is when it was established, and the
5 FDA I believe, the Food and Drug Administration,
6 which only approves medications that have value,
7 the Food and Drug Administration would certainly
8 not approve something that would not, that would
9 benefit that was approved in 1996.

10 Q. Now, what characteristics must be present
11 for a patient to be a candidate for use of TPA
12 with stroke?

13 A. What characteristics?

14 Q. Yes.

15 A. Well, they have to be -- there's a whole
16 policy. They have to be, it's a cook book, you
17 have to be over 18, you have to not be pregnant,
18 you have to have what's called the NIH stroke
19 scale, which is a bunch of things to determine
20 how much disability you have, how severe your
21 handicap is from the stroke, like weakness in
22 the arms, facial palsy, speech dysphasia,
23 dysarthria. So you have to be over 18, you
24 can't be pregnant, you have to have been, it
25 has to be clearly within the earlier the better,

1 but within the three-hour time frame that I just
2 chatted about.

3 You have to have a platelet count of
4 typically over 100,000. That's one of the
5 clotting studies in the body platelets that
6 helps participate in it. You have to have not
7 been on an anticoagulant like Coumadin or
8 Heparin. You have to have not had any recent
9 surgery of significance, because you'll bleed.
10 And if it's internal that's risky. You have to
11 have not had a lumbar puncture, a seizure, you
12 have to have not had a recent serious motor
13 vehicle accident.

14 You have to have not had a puncture in an
15 artery that's inaccessible, because it's going
16 to bleed, the clot is going to be dissolved, and
17 a list of things that are in the sheets in here,
18 if you like I can open, but there's a whole list
19 of what you need to have. Under three hours, a
20 stroke scale of 14, a 4 to 20, meaning you don't
21 have a very mild or a very severe stroke, but if
22 you've got an almost nothing stroke, which is
23 some numbness and tingling and maybe a little
24 facial weakness, that would be under 4, and you
25 know, because the medicine is powerful you give

1 it when you need to worry about big deficits,
2 like no arm and no hand and no speech because of
3 a dominant hemisphere stroke. So they're all
4 defined. There's a thing of what you need,
5 which is under, over 18, not pregnant, NIH
6 stroke scale 4 to 20, and no other
7 contraindications basically.

8 Q. And what about brain bleed?

9 A. About what?

10 Q. A brain bleed. Bleeding in the brain.

11 A. If somebody has what's called a hemorrhagic
12 stroke or a subarachnoid bleed or bleeding or
13 head trauma of significance, that's an absolute
14 contraindication to TPA. You can't give it.

15 Q. Let's -- and then talk about this for a
16 second. First of all, what is an ischemic
17 stroke?

18 A. An ischemic stroke, ischemia means
19 decreased blood oxygen. An ischemic stroke
20 is a stroke where the artery gets stenotic.
21 It narrows. You get narrowing like from
22 cholesterol or from, you know, lipid disorders,
23 the things that you heard and see about, hear
24 from your doctors, or maybe just congenital,
25 just a bad luck at birth. So ischemia means a

1 narrowing or decreased flow of blood to the
2 tissue, and that's from narrowing of a vessel
3 from a plaque or cholesterol.

4 It could be from atrial fibrillation, like
5 Mrs. Amaya was in atrial fibrillation, an
6 irregular heartbeat, and you can get embolized,
7 little pieces of clot from the heart with atrial
8 fibrillation. So what happens is you either got
9 a blockage from too much narrowing, or you've
10 got a blockage because of a piece of debris has
11 lodged in a small vessel and it blocks
12 circulation, and so the tissue becomes ischemic.
13 It doesn't get blood, which means it doesn't get
14 oxygen.

15 Blood's reason to exist in terms of red
16 blood cells is the hemoglobin carries oxygen.
17 That's what the blood does, is part of what it
18 does is it circulates oxygen and glucose, which
19 is basic stuff for the body's tissues engines to
20 work. So ischemia means no blood, and it means
21 no blood because of a narrowing or blockage or a
22 piece of emboli that might float up, sometimes
23 in women on birth control pills, and as opposed
24 to a hemorrhagic stroke, which means a vessel is
25 broken, like a little aneurysm in the brain

1 which has a weak wall, it breaks, or tissues
2 break down and tissue bleeds like subarachnoid
3 bleeds, or an aneurysm which ruptures and
4 bleeds, and those are bleeding problems.

5 Now, bleeding problems less likely, like
6 a subarachnoid bleed to cause focal finding,
7 because it's just blood breaking down, and so
8 with bleeding problems like subarachnoids or
9 intracerebral bleeds people can have deficits,
10 but what's more prominent is lethargy and
11 reduced functionality there and a degree of coma
12 there. Their level of consciousness is reduced
13 as opposed to ischemic stroke, where they can be
14 perfectly conscious but have deficits, they've
15 lost that part of the brain of functioning, move
16 that arm, that leg, the speech centers. Does
17 that answer your question?

18 Q. In part. How do you determine if the
19 stroke involves bleeding?

20 A. Well, CAT scans, I mean medicine in 2002,
21 and 2006 now we're in is, you know, the
22 technology is powerful, and CAT scans are great
23 for seeing bleeding. They're best for seeing
24 bleeding. They're not so good in the back of
25 the brain because there's a lot of bone back

1 here at the base of the brain. So there's a lot
2 of artifact, but a CAT scan is very good
3 particularly for example in the areas of
4 Mrs. Amaya's bleed, they are probably 95 to 97
5 percent valid at seeing a bleed.

6 It's very good technology for a bleed as
7 long as it's not posterior. There the MRI,
8 magnetic resonance, is probably better, and
9 it's also better for looking at flow, but for
10 bleeds CAT scans are excellent. 97, 95 percent.
11 If you're really worrying about a bleed in a
12 patient who has -- well, I'll --

13 Q. Let me ask you the next question, doctor,
14 and that is in a hemorrhagic stroke then where
15 there's bleeding, is a patient a candidate for
16 TPA?

17 A. No. It would be criminal almost.

18 Q. And with an ischemic stroke, is that
19 a stroke where a patient could be a candidate
20 for TPA?

21 A. Absolutely. It's the standard of care.

22 Q. And in that stroke, an ischemic stroke,
23 what does the TPA do?

24 A. Well, TPA, an ischemic stroke means there's
25 blockage, and what TPA has the potential to do

1 is to open up the blockage and allow blood to
2 circulate, and a little bit like, I like the
3 metaphor of an eclipse, there's the umbra and
4 then the penumbra around it, and what happens
5 when you have an ischemic stroke, a blockage,
6 that area is not getting blood, they're not
7 getting oxygen, and then around it you get
8 edema, swelling, fluid, and ultimately if you
9 don't reverse that process more tissue becomes
10 affected, because it's not really affected by
11 the initial stroke but it's affected by the
12 swelling and stuff that happens around reactions
13 in the body.

14 So the key thing is that not only when you
15 give TPA in appropriate patients, who don't have
16 a bleed, who are at less than three hours and
17 meet other criteria, very specific, stringent
18 criteria, carefully decided to give it, it opens
19 up that clot and it allows that tissue to get
20 better, and it also allows the tissue around it
21 to resume normal function, because what happens
22 is you get a stroke and then you get all the
23 tissue around it that wasn't even ischemic
24 because of swelling and edema and fluid. That's
25 the penumbra.

1 So it's absolutely not right to give it if
2 there's bleeding. Cat scans eliminate that
3 possible to 95, 97 percent and the clinical
4 picture and all the other criteria, then it is
5 the standard of care to treat patients so that
6 they have a chance of being almost normal, or
7 possibly normal.

8 **Q.** Now, doctor, is there any other medication
9 available in 2002 to treat stroke patients to
10 lessen the effects of the stroke?

11 **A.** No. And in fact in 2005 patients are
12 getting TPA at big medical centers, university
13 centers at eight and ten hours, but through
14 catheter. They're not getting it peripherally.
15 They're getting it focally through catheters
16 right at the site. Fancy techniques with
17 skilled radiologists are getting up into these
18 arteries with catheters like we do with the
19 heart and elsewhere, and they're extending the
20 time to give TPA because it becomes safer to do
21 it that way and you can go beyond, there's a
22 whole literature in peer reviewed journals of
23 giving TPA later than three hours, but by
24 special techniques with good outcomes. But
25 for most of us in the trenches seeing patients

1 in emergency departments it's three hours by
2 needle periphery.

3 Q. Doctor, back in October of 2002, if a
4 patient was not a candidate for TPA was there
5 any other medication available to be used in
6 its place?

7 A. No. They would be committed to a life of
8 paralysis and dependence.

9 Q. And back in October of 2002, if a patient
10 was a candidate for TPA was there any other
11 medication available to be used in its place?

12 A. Other than TPA for a candidate?

13 Q. Yes.

14 A. No.

15 Q. Now, doctor, if a patient in October of
16 2002 was a candidate for TPA, what do you
17 as the emergency room physician do?

18 A. Well, you define the time, make sure
19 as early as possible to give it, that you
20 eliminate the chances of complications, of
21 contraindications, consult early with a
22 neurologist and get agreement. All of this
23 happens concurrently from the moment they walk
24 in. The calls go to neurology, to radiology,
25 and what do I do if they're a candidate? I get

1 conformed, I get informed consent.

2 My neurologists at my hospital tell me I'm
3 crazy, I don't need to do that. They say it's
4 standard of care, you don't need to get consent.
5 I get consent because I'm giving a potentially
6 dangerous medicine that may cause bleeding. So
7 I explain that to them and they all choose to
8 get TPA if it's offered and they're told that
9 they don't have any risks, and the alternative
10 is that they're going to be paralyzed for life.

11 Q. Now, back in October of --

12 A. Does that answer your question?

13 Q. Yes. Back in October of 2002 how was TPA
14 administered? How did you give to it a patient?

15 A. Well, it's on the shelf in every emergency
16 department. There's always a bottle on the
17 shelf, and you give it, there's a cookbook
18 formula, like making a pork roast. You do,
19 you give a bolus in a minute and you give the
20 rest 90 percent, I think it's over an hour
21 typically, and you're measuring the stroke
22 scale, the NIH stroke scale and a whole bunch
23 of other things along the way, and they go to a
24 critical care unit and typically it's an
25 injection over roughly an hour of TPA.

1 Q. And how long does it take to start to
2 administer the TPA?

3 A. Well, it's in the department, it's
4 available. It's really when those patients
5 come in, there's usually two nurses involved
6 in their care. There's a lot of things that
7 need to be done. They need to get the CAT scan
8 back and the blood tests need to be -- so it's
9 really within 30 minutes, 40 minutes is sort of
10 what's expected the outside result for getting a
11 CAT scan and having a report back are like 40
12 minutes max, nothing more.

13 Q. This 30 to 40 minute time you're talking
14 about, that's from when to when?

15 A. From the moment they come in the door.

16 Q. And my other question is once the decision
17 is made to administer TPA, how long does it
18 actually take to get that going?

19 A. Not long, you know, five minutes max.

20 Q. Now, doctor, based upon the records that
21 you reviewed, that you learned from those
22 records, were you able to arrive at an opinion
23 within a reasonable degree of medical certainty
24 as to whether Maria Amaya was a candidate for
25 TPA in the emergency department at York Hospital

1 on October 26th, 2002?

2 A. Yes.

3 Q. And could you please set forth your opinion
4 and the basis for your opinion?

5 A. Well, it's my opinion that she was a good
6 candidate for thrombolytic therapy with TPA.
7 She had a very, she had a very clearcut mental
8 status and physical change. This was an
9 observed change. She was in a bus, she all of
10 a sudden stopped singing and slumped over. It
11 was a, there was no question about when time
12 zero was, and in my reckoning and reviewing
13 everything, the bulk of everything, I believed
14 her stroke happened around the time when the EMS
15 were called, which is sometime shortly after
16 8:00 in the morning on the 26th of October.

17 She was promptly brought to the ED. They
18 were there were at 9:04, triaged at 9:16. I
19 believe that all the studies which were done,
20 the critical studies would have been back and
21 should have been expected to be back by 10:00
22 at the latest. There were policies and
23 protocols at York Hospital that defined, they
24 were giving TPA, they had policies that governed
25 it, they had the cookbook protocols to talk

1 about who could and couldn't get it, and she
2 according to the policies at York Hospital, and
3 York Hospital was a tertiary care center.

4 York Hospital had two CAT scanners and all
5 the pieces that needed to be in place, and they
6 had protocols, which means they considered it
7 treatment in the right patients, and they had
8 protocols that York Hospital had instructions
9 about who should and shouldn't get it, and
10 according to their protocols and according to
11 their policies, Maria Amaya was a perfect
12 candidate. She could have gotten it at two
13 hours instead of three, and she had no
14 contraindications, no risks that would have
15 made her, you wouldn't expect her outcome to
16 be anything other than better than what it was.

17 Q. You mentioned that York Hospital was a
18 tertiary care center. What do you mean by that?

19 A. It's a referral center. It's a center,
20 it's not a small community hospital in the
21 middle of nowhere. It's a center with people
22 in training, with two CAT scans, with people on
23 call with the resources that a big medical
24 center has. I mean, it's a big hospital, York.
25 I have friends who work there.

1 Q. Now, you mentioned, or your opinion that
2 the onset of the stroke was at or around shortly
3 after 8:00 a.m. How did you arrive at that
4 opinion?

5 A. Just the history and the dissecting the EMS
6 sheets, which show 8:14. The bus, the history
7 of the bus driver, I don't think was cruising
8 on. He pulled over. This was a fairly obvious
9 thing that she was having a stroke. She slumped
10 over and was paralyzed. So he pulled right
11 over, he made the call. We have the EMS log
12 about when they received the call, which was
13 shortly after 8:00. We have multiple history.
14 We have history of residents and doctors who
15 took care of her at the hospital afterwards,
16 and the time is clearly in my mind, I have very
17 little question about that, it was sometime
18 around 8:00 in the morning or shortly
19 thereafter. And she was at the hospital around
20 the one hour time and they had, by two hours
21 they had, they should have had everything back
22 and the opportunity should have been made
23 available to her.

24 Q. Doctor, as part of your review did you
25 recall seeing Dr. Salib's dictated note from

1 later in the day about 1:41 p.m. on October
2 26th?

3 A. Yes, I did.

4 Q. And where he refers to his dictation, the
5 suggested onset of the stroke was at 7:00 a.m.
6 Do you recall seeing that?

7 A. Yes, I do.

8 Q. Now, doctor, did you review the emergency
9 department nurse's note containing when she
10 first saw and assessed Maria Amaya at 9:14?

11 A. Yes.

12 Q. Did that note contain anything about time
13 of onset of the symptoms?

14 A. Not that I recall.

15 Q. And we talked a little bit about obtaining
16 the history and that being important. Who
17 usually notes a history in the emergency
18 department of a patient with signs and symptoms
19 of a stroke?

20 A. This is sort of very important, so I think
21 it's everybody notes. It's appropriate, it's
22 good practice for everybody to make sure they're
23 on the same sheet of music and note it, and I
24 would have expected, too, Dr. Jensen, who was
25 the staff doctor, would have been intimately

1 involved in all of that in making sure the times
2 were right and assessing that the nurses, the
3 doctors really.

4 Q. When is it typically noted? In other
5 words, along the course of this when is it
6 typically noted in this chart?

7 A. It's the first thing, because if it's
8 clearly exclusionary for treatment then there's
9 no urgency. Then it's no longer an emergency.
10 It's an unfortunate outcome and you do
11 everything else you can for the patient, but
12 the fact that this is an emergency is because
13 a completed stroke after three hours is very
14 unfortunate, but it's no longer an emergency.

15 Unless the patient is so compromised, such
16 as a severe stroke, there's a coma and there's a
17 risk of airway and aspirating and having a
18 respiratory emergency or something else and
19 tongue dropping back, I mean in a serious
20 terrible big stroke, the kind you wouldn't give
21 TPA to, then those are emergencies, but in a
22 completed sort of middle of the road just
23 unfortunate stroke there's no emergency.

24 It's just a terrible outcome, but the urgency
25 and emergency is that there is a treatment,

1 but that treatment is in the first three hours,
2 everything else being allowing that treatment.

3 Q. Doctor, in your review of the records did
4 you note any other notes or reports from York
5 Hospital besides Dr. Salib's dictated note that
6 indicated the time of onset of symptoms is 7:00
7 a.m.?

8 A. There are a number of other notes and they
9 all, Dr. Bedreshia and others, I think Dr. Yi,
10 and there's a number of other notes and they all
11 refer to 8:00 as being roughly around 8:00 at
12 the time of onset.

13 Q. Doctor, I want to put up some of the
14 records for you to point out to the jury.

15 (Brief pause.)

16 Q. Doctor, we have up here one of the EMS run
17 sheets. I believe there were two that have been
18 stipulated among the parties as being involved
19 that day. Was this one of those that you
20 reviewed?

21 A. Yes.

22 Q. And I'm focusing on the part of that that's
23 showing the times, and did you use this run
24 sheet as part of developing your history?

25 A. Yes.

1 Q. And what did that indicate to you in terms
2 of when they were notified to leave?

3 A. Well, the dispatch is at 8:14. Basically
4 it's synonymous when they receive the call,
5 so they dispatch a unit and they're on route
6 at 8:15 and they are at the scene at 8:25.

7 Q. Does it indicate when they departed the
8 scene?

9 A. 8:35.

10 Q. And does it indicate on there when they
11 arrived at the facility?

12 A. 9:03 at York Hospital.

13 Q. Now, if we go down towards the bottom of
14 the, in the, some of the narrative, does it
15 indicate in the narrative anything about her
16 mental state and her speech?

17 A. She is awake, confused, slurred speech, and
18 then something left-sided, a missing part there,
19 but it says, you can go the other way, slurred
20 speech and left-sided something. Flaccidity
21 means no muscle tone. So left-sided weakness.

22 THE COURT: Excuse me one second. This
23 monitor has a shine to it, and it's difficult
24 for the jury to see. Is there any way we can
25 improve that?

1 (Brief pause.)

2 Q. Then if we can move down to the bottom of
3 where it, starting over on the left from the
4 times, is there some indication there then as,
5 during the course of the times that any
6 notification made to the hospital, doctor?

7 A. Well, in the other, on other side I think
8 that you have that you moved away, somewhere
9 on the bottom I think it was saying 8:41.

10 Q. And does it indicate anything at 8:45 about
11 again her mental state?

12 A. At 8:45, still confused, wanting to stand
13 up.

14 Q. Doctor, we're going to move to the second
15 EMS run sheet, again for the times.

16 THE COURT: Mr. Rothschild, for the record
17 could you identify, are these coming from --

18 MR ROTHSCHILD: I'm sorry, Your Honor.

19 THE COURT: -- Joint Exhibit 2, and is there
20 a Bates number on the --

21 MR ROTHSCHILD: Your Honor, the first one
22 was from --

23 (Brief pause.)

24 MR ROTHSCHILD: The first one was from the
25 Joint Exhibit 8. There's no Bates number on it.

1 It was just one document. And this one now is
2 coming from Joint Exhibit 6.

3 MR. STUMP: Excuse me, Your Honor, I believe
4 that first one was from Joint Exhibit Number 2
5 and the second one was Joint Exhibit Number 3,
6 so the record is clear.

7 THE COURT: Okay, I believe Mr. Stump is
8 correct. At least in my notebook. The first
9 was Joint Exhibit Number 2. Now we're looking
10 at Joint Exhibit Number 3.

11 BY MR. ROTHSCHILD:

12 Q. Doctor, again what does this indicate, and
13 in your review what did it indicate to you?

14 A. Well, again it confirms the times that I
15 had mentioned earlier of a call and a dispatch
16 at 8:15, en route 8:16, arrive at the scene
17 8:19, and depart from the scene 8:35 and arrive
18 at the facility, namely York, at 9:03.

19 Q. Now, doctor, what I want to show you to
20 put up there is from Joint Exhibit 1, the York
21 Hospital chart, page number 30 from the history,
22 and physical it's actually three pages, 30 to
23 32, the last one from Dr. Bedreshia, but we'll
24 just put up the page 1.

25 A. I've got Dr. Bedreshia's note.

1 Q. And, doctor, where was -- did you review
2 this note by Dr. Bedreshia, which is noted being
3 a history and physical examination?

4 A. Yes.

5 Q. And what information was contained in the
6 history of present illness that was relevant in
7 your review?

8 A. I think again it reiterates to me what I
9 think is the time-line that around 8:00 she was
10 singing and then suddenly slumped over and
11 stopped singing and had her, the acute event
12 sometime around 8:00.

13 Q. And can you just read for the jury that
14 portion referring to the relevant timing
15 periods?

16 A. "Reportedly on a bus trip in the morning
17 around 8:00, was singing. Then suddenly slumped
18 over on her brother's shoulder. The patient was
19 not responsive when attempted to arouse. The
20 patient was noted to have some slurred speech,
21 left-sided weakness, and left facial droop. The
22 patient was immediately transferred to York
23 emergency department."

24 Q. Now, doctor, did you see reference in some
25 of the records to having obtained a history that

1 she had a headache for four days?

2 A. Yes.

3 Q. And did that affect her being a candidate
4 for TPA?

5 A. I think the history that was obtained did
6 not, would not, did not affect her getting TPA.

7 Q. Can you explain why not?

8 A. Well, certainly you worry about a headache
9 because headache will make you think of
10 something other than a straightforward ischemic
11 stroke. It can make you think of a bleed
12 sometimes. But the headaches that are
13 associated with bleeds are the kind of really
14 severe, knock your socks off kind of headache.
15 I mean, they're not subtle typically. They're
16 severe headaches, and typically a bleed again
17 is more likely to be associated with a
18 tremendous level of mental status changes and
19 not focal findings.

20 It just wasn't the kind of history that
21 makes one think of a bleed, and certainly it
22 didn't make the doctors at York Hospital think
23 of the bleed, because if you've got a negative
24 CAT scan, which I said is very good at picking
25 up a bleed, if you're really worried about a

1 bleed, if you really think there's a
2 possibility, then the standard of care is to
3 do a spinal tap, a lumbar puncture. Then you
4 will determine that there's a bleed.

5 So, you know, if you really worried that
6 if you think that this is a bleed, which is
7 important to know, if you believe that, in the
8 face of a negative CAT scan that's when you go
9 and do a final tap, that the blood will be in
10 the fluid. You do what's called vasochromia,
11 the coloring when you hold it up against a white
12 jacket or a white piece of paper, and the lab
13 will measure it and see red cells. So certainly
14 you take a piece of information like a headache
15 and you consider it, but this was not that kind
16 of headache, and if it really was felt to be
17 then they needed to do a spinal tap, which
18 didn't happen. So I don't believe it was really
19 a big issue, and it certainly with was not in my
20 mind any reason not to have given her TPA.

21 Q. Doctor, what's a subarachnoid hemorrhage?

22 A. Well, a subarachnoid hemorrhage is that
23 space, the subarachnoid space where a bleed
24 occurs, and it's terrible event. It has a high
25 mortality. It causes patients to go into a coma

1 readily, and there's high mortality associated
2 with it. The old literature used to be 50
3 percent of people with a significant
4 subarachnoid bleed would die within the first
5 48 hours, and of those surviving another 50
6 percent would die within the immediate post
7 period, next couple of weeks. It's a serious
8 event, the kind of event if you really think
9 somebody has a bleed also, you get a
10 neurosurgeon in immediately because they deal
11 with bleeds.

12 Q. What typically does a patient who has a
13 subarachnoid hemorrhage manifest or feel?

14 A. Well, they get a stiff neck, they get
15 increased intracranial pressure, which can show
16 up looking in the, through the eyes at the fundi
17 where your eye doctors look at the disks. You
18 can see swelling, you can see congested vessels.
19 You get a stiff neck that, blood goes down into
20 the spinal fluid, and you get stiff neck, and
21 you get photophobia, you get like an irritable
22 brain syndrome, because the brain is irritated.
23 It doesn't like to have blood.

24 Blood is very irritating. If you have it
25 in your stomach you vomit. So blood is

1 irritation. It causes a stiff neck, it causes
2 deep coma. Eventually often it causes the kind
3 of headache that's not, the headache is
4 described, the classic headache -- not always
5 classic, but the headache of a subarachnoid
6 bleed has been called a thunder clap headache.
7 It's like an acute onset and it's severe, and
8 people don't like light, they get photophobia,
9 a little like a meningitis, but they have a
10 chemical meningitis in blood. Basically a
11 chemical meningitis blood is irritating the
12 brain. They get a neck ache, they have a
13 headache, a real serious headache, and they
14 want to be, they're sort out of it.

15 Q. Doctor, did Ms. Amaya have any clinical
16 presentation that you saw in the record of a
17 subarachnoid hemorrhage at York Hospital?

18 A. No. And if anyone thought she did they
19 should have called a neurosurgeon and done a
20 spinal tap on it.

21 Q. Was there any reference you saw in the
22 records to any concern that she had a
23 subarachnoid hemorrhage?

24 A. No. Only after the fact.

25 Q. Now, was a CT scan ordered?

1 A. It was ordered and done.

2 Q. And doctor, we're going to take several
3 of the records from, again from York Hospital,
4 Joint Exhibit Number 1, page 14 first, and then
5 page 207 I believe. Doctor, if you can see it?

6 A. Yes.

7 Q. Did you review that record?

8 A. Yes.

9 Q. And I'll wait until you've finished that.

10 A. Thank you. Yes, I did.

11 Q. Now, doctor, what was your understanding of
12 what that document was in the York chart?

13 A. It was the radiologist's impression of the
14 CAT scan of the head of Maria Amaya done on
15 10-26 in the morning.

16 Q. And did you have an understanding of when
17 that was made available to the emergency
18 department?

19 A. As I recall it was available like 10:36 or
20 something.

21 Q. And what did that reveal? What did that
22 indicate?

23 A. No abnormalities.

24 Q. So what did that mean?

25 A. It meant she had nothing abnormal, which in

1 the setting of her condition and everything else
2 we've been talking about means that that is no
3 contraindication. She doesn't have a bleed.
4 She does not have a significant infarct, which
5 is a case where if you've already see the
6 infarct it suggests the time is longer. She
7 has nothing that would exclude her being an
8 excellent candidate for thrombolytic therapy,
9 TPA.

10 Q. And this was, they didn't mention the part
11 of the body, but this is of what part of the
12 body?

13 A. The head. It's the CAT scan of the head.

14 Q. If we can put up the second report from the
15 record that you referred to? Doctor, in your
16 review did you also see this part of the chart?

17 A. Yes.

18 Q. And can you explain what that is?

19 A. This is a final report that's been
20 reviewed, it's the basically the same x-ray
21 that's been reviewed and re-reviewed, and it
22 says that the CAT scan that we were just talking
23 about has no evidence of any infarct, acute
24 hemorrhage, or subdural hematoma.

25 Q. And what does that mean?

1 A. It means there is an absolutely normal
2 CAT scan.

3 Q. Thank you. Now, doctor, did you review
4 the blood studies that were done?

5 A. Yes, I did.

6 Q. What did they reveal?

7 A. They revealed that the tests were for all
8 intents and purposes normal. There was nothing
9 that -- we looked at platelet count, we looked
10 at clotting times to make sure that somebody
11 doesn't have what's called a coagulopathy. They
12 don't have a prolonged ability to clot and have
13 a normal platelet count. They were all, all the
14 things we looked at were normal.

15 Q. Now, doctor, based upon the records you
16 reviewed and what you learned from the record,
17 were you able to arrive at an opinion with a
18 reasonable degree of medical certainty as to
19 whether the medical care and treatment given to
20 Maria Amaya by the defendants Dr. Salib and
21 Dr. Lynn Jensen when they treated her at York
22 Hospital emergency department on October 26th,
23 2002 met the required standards of medical care
24 for emergency physicians and a resident in the
25 emergency department?

1 A. Yes.

2 Q. And could you please set forth your opinion
3 and the basis for your opinion?

4 A. I believe that the care of Maria Amaya did
5 not meet the standard of care when she was
6 treated by Dr. Salib and Dr. Jensen. I think
7 that she was an excellent candidate in my
8 opinion at the two-hour mark, which could even
9 with expeditious managing had been reduced to
10 probably an hour and forty, fifty minutes,
11 giving her even better opportunity at a good
12 result from what was accepted treatment, and
13 she was not given that treatment.

14 In fact, as I alluded to in my report,
15 I think it was on page 103 of Dr. Jensen's
16 deposition when you deposed him, Mr. Radcliff,
17 he said that even if she had made the time of
18 three hours he would not have given her
19 treatment with TPA, and I don't think he had
20 the right to deny this patient the chance of
21 a full or a partial good response from a
22 medication that at the York Hospital was for
23 over a year in protocol established as
24 acceptable treatment at York Hospital where
25 there were protocols to include or exclude

1 patients.

2 This patient was at the kind of hospital
3 where it was appropriate to give TPA. It
4 sometimes is not appropriate even if you're
5 in the window, if you don't have, you're not at
6 a good center where you know the x-rays are
7 read and you can trust everything. This was a
8 tertiary care hospital that had policies and
9 protocols to do this treatment. It was not
10 acceptable for anyone to deny Mrs. Amaya the
11 chance of potentially full or significant
12 response to what is the standard of care.

13 Q. And why is it that you feel that and have
14 given your opinion that they deviated from the
15 standard of care? What lends you to that --

16 A. The history --

17 MR. STUMP: Can I hear the whole question
18 back, Your Honor?

19 THE COURT: Certainly. Would you care to
20 just simply repeat it?

21 MR. ROTHSCHILD: I'll repeat it.

22 THE COURT: Very well.

23 BY MR. ROTHSCHILD:

24 Q. Doctor, can you explain how you arrived at
25 an opinion that the treatment fell below the

1 appropriate standard of care?

2 A. Well, I believe the history that was taken
3 was incorrect. I think there's for me
4 overwhelming evidence, including the notes of
5 other medical officers at the hospital who
6 defined the time at 8:00, or around then, I
7 think the EMS are very, very strict in how they
8 document times and on route dispatch, return,
9 and their time-line makes it inescapable for me
10 to think that this happened around 8:00. It was
11 a very defined event when she fell over an
12 stopped singing and the bus pulled over and
13 dialed 911, recorded by the EMS. It was really
14 probably around 8:10, and logged as 8:14.

15 So Dr. Salib was a junior resident working
16 in the emergency department. When a patient
17 like this comes in, the staff doctor should have
18 been at his side, at his side taking the history
19 and validating the history, and if there's
20 some confusion of language, then it's the
21 responsibility of the emergency department at
22 the hospitals to provide translators. That's
23 policy, where the AT & T phone that translates,
24 but the urgency is to define the time, define
25 the history, which in this case is the

1 emergency.

2 And so I think the history was incorrect.
3 It was written in fact after the fact, it was
4 a dictated history. There really was no time
5 recorded, and the protocol at the hospital says
6 that an NIH stroke scale would be performed. I
7 went through the whole record, I never saw an
8 NIH stroke scale being performed, and there was
9 no in my interpretation from depositions and
10 because I know where CAT scanners are in
11 hospitals, they usually when you do a CAT scan
12 of the head it's almost always without contrast
13 so you don't have to do an injection. You just
14 have to take the image on the table.

15 As I understand the CAT scan is two minutes
16 from the emergency department, two of them, and
17 this is the kind of, we saw, it was noted at
18 8:41 the EMS, the ambulance people called York
19 Hospital, because they knew what they were
20 dealing with. They were giving York Hospital
21 and the emergency department a heads-up.

22 MR. STUMP: Objection, Your Honor. Hearsay,
23 and he's interpreting. We have the testimony of
24 what those EMS people said, and he's going way
25 beyond what they have said. I think it's

1 improper.

2 THE COURT: Mr. Rothschild?

3 MR. ROTHSCHILD: Your Honor, there's a
4 reference, just he's taking it from that
5 record that says "YH notified 8:41."

6 MR. STUMP: I don't mind him saying YH
7 notified, but I think he's going beyond what
8 they were doing.

9 THE COURT: I agree the testimony went
10 beyond the mere recitation of the facts.
11 It goes to interpretation, which is speculation
12 based on hearsay. So the objection is
13 sustained.

14 THE WITNESS: So the patient arrived at
15 9:03, and that kind of presentation with a
16 stroke in evolution, and a presentation at 9:03
17 and the CAT scan is minutes away, this is the
18 kind of patient where you get the history, drill
19 into the history, make sure the patient is
20 stable, and then the patient is then scooted to
21 CAT scan to get the study immediately. It takes
22 two minutes to get there. It takes three or
23 four minutes to get a patient from a hospital
24 gurney on to the table for the CAT scan, and
25 another three or four minutes off the table and

1 two minutes back to the Ed.

2 We're talking ten or twelve minutes to do a
3 CAT scan, and when a patient has the opportunity
4 and is a candidate for this treatment, this is
5 the kind of patient that you call the CAT scan
6 doctor and say hey, Dr. Green, I have Mrs. Amaya
7 here, who is a candidate for thrombolytic
8 therapy. Give me, I need a report now, and
9 that's the kind of patient, when these patients
10 come in they take priority for most CAT scans.

11 Even patients come off the table to put them on
12 because time, this is where time equals tissue.

13 This is where time matters, and it matters
14 in emergency medicine in certain circumstances,
15 this is the most classic example. So the CAT
16 scan could have been resulted the outside limit
17 40, 45 minutes, and the same thing about the
18 blood. These are the kind of bloods that if
19 you're treating patients the way the standard of
20 care demands, those bloods are hand carried to
21 the stat lab and they're called and they're told
22 that we have a stroke in evolution who's a
23 candidate for thrombolytic therapy.

24 That's why policies and things are in
25 place, and that's why all of this has evolved

1 into stroke center. But in 1999 it was
2 happening, in 2000, in 2001, and this patient
3 was a perfect candidate, even if you accepted
4 hypothetically the time of 7:00, which I don't
5 think at all is correct. The EMS defines 8:14.
6 This happened at 8:00, but even if you accepted
7 that and she got in at 9:03, all this could
8 have been done before the three-hour window.

9 And then it could have been explained to
10 her and her family that we're going to do this
11 treatment, which may change your outcome,
12 and again I would have gotten the consent
13 personally, although my doctors tell me don't
14 fool around with the consent, just do it, it's
15 the standard, and she would have been a
16 candidate. But at 8:00 when it really happened
17 and what the other notes in the chart say
18 really, they all say 8:00, the other doctors,
19 she was a perfect candidate with the expectation
20 of getting a good result.

21 And yeah, TPA is dangerous. So is too much
22 water. Chemotherapy is very dangerous, but it
23 cures people. So she was a candidate for a drug
24 that was by York Hospital's own policies a
25 treatment. So I think she, the care did not

1 meet the standard of care because the history
2 was incorrect by the first doctor. The senior
3 doctor in the EDU should have been right at the
4 bedside, was not immediately apparently. The
5 times were wrong, and there was no urgency at
6 all evident in making these things happen the
7 way they could have, and it was clear from the
8 deposition that even if the time was okay, they
9 decided despite the policies of the hospital
10 and all the literature that does support
11 treatment, that she wasn't going to get it,
12 and I don't think it meets the standards of
13 care and I believe it was wrong.

14 THE COURT: Mr. Rothschild, I'd like to
15 interrupt you at this time so that we can take
16 our morning break. Ladies and gentlemen, we are
17 going to be in recess until 11:00. Depending
18 upon the manner in which, the length at which
19 the cross examination of this witness goes, we
20 may need to take a break early. I have a
21 criminal matter that I need to handle over the
22 lunch hour, and so we may -- it depends on how
23 this testimony goes, but we may need to break
24 for lunch earlier rather than later. Let's take
25 a short recess. We'll reconvene at 11:00, and I

1 would like to speak with counsel briefly. Let's
2 make that 11:05, Ms. McKinney.

3 (Jury recessed at 10:45 a.m.)

4 THE COURT: Doctor, you may certainly step
5 down. For the record I just want to mention
6 something briefly to counsel about
7 the use of ELM0 and video, and I'm going
8 to do this off the record.

9 (Discussion held off the record.)

10 THE COURT: We're in recess until 11:05.

11 (Recess taken at 10:47 a.m. Trial resumed
12 at 11:05 a.m.)

13 THE COURT: Please be seated. This is
14 really a scheduling question, off the record.

15 (Discussion held off the record.)

16 THE COURT: Let's go back on the record,
17 and please bring the jury in.

18 (Jury was seated at 11:07 a.m.)

19 THE COURT: Mr. Rothschild, before we begin,
20 ladies and gentlemen of the jury, we've placed
21 before you a new monitor. I wanted to let you
22 know that we know there has been some problems
23 in your ability to see what has been projected
24 on the equipment, which we referred to as the
25 ELM0, which allows counsel for the parties to

1 project the exhibits to you on a television
2 screen. It's actually coming across quite clear
3 in the smaller screens, and that's why we have
4 placed it in front of you.

5 Hopefully this will be in an improvement,
6 but I wanted to let you know that this is the
7 U.S. court system's equipment. It's not the
8 fault of either counsel for the plaintiff or
9 defendant. This is really our problem, and
10 we'll try to fix it. So I would ask that you
11 bear with us. Thank you, Mr. Rothschild. You
12 may continue.

13 BY MR ROTHSCHILD:

14 Q. Thank you, Your Honor. Dr. Mehlman, I'd
15 like to next have us discuss the guidelines at
16 York Hospital that you referred to, and we're
17 going to put them up on the ELM0. First of all,
18 have you reviewed the department of emergency
19 medicine guideline of care for CVA or stroke at
20 York Hospital?

21 A. Yes.

22 Q. And we've put it up and it's a two-page
23 document that you had seen, is that correct?

24 A. Yes.

25 Q. And can you tell the jury whether or not

1 there's anything relevant here in these
2 guidelines for our purposes?

3 A. Just that I think the striking thing is
4 that at the bottom is that it notes assets for
5 potential thrombolytic therapy.

6 Q. And thrombolytic therapy is?

7 A. TPA.

8 Q. Now, doctor, you've also referred to the --

9 A. That's a 9-A.

10 Q. You've also been referring to the York
11 Hospital protocol for TPA in acute stroke
12 inclusion exclusion criteria that was in effect
13 on October 26th, 2002, and have you reviewed
14 that document as part of what you have done?

15 A. Yes.

16 Q. Can you tell us what is relevant about
17 this protocol?

18 A. Well, it's basically defining that there is
19 a protocol that it's an accepted treatment for
20 those patients who meet the criteria as noted,
21 18 years old --

22 Q. Maybe we can have you go a little slower
23 so the jury can see what you're referring to.
24 That's one of the limitations that we have here,
25 so --

1 A. 18 years of age or older, an ischemic
2 stroke with a measured NIH stroke scale greater
3 than 4 and less than 20. 4 is, zero is like
4 very little abnormalities, not a lot of
5 abnormalities. 20 or more is a severe stroke
6 with patients who would be basically
7 unconscious, obtunded, and have lots of deficits
8 that are either focal on one side and bilateral.
9 So that's the stroke scale, and it's a very
10 specific way that we check on function, face
11 function, dysarthria, speech, sensory losses,
12 alertness to questions. It's a whole number of
13 twenty or so questions that address the stroke
14 scale.

15 Q. Did you see that addressed in the chart for
16 Ms. Amaya?

17 A. It was never done, but I mean it was --
18 I think there was a copy there, but it wasn't
19 ever completed that I'm aware of.

20 Q. And did you, in going through the records
21 were you able to make an assessment of where
22 she fell on the scale?

23 A. Yes, I made an assessment. I did an NIH
24 stroke scale, I used the method, the tool, the
25 equipment that, the tool, meaning a piece of

1 paper with certain categories defined, and it's
2 actually here, it's a sheet that has a whole
3 bunch of things that have to be responded to,
4 and by my estimate she would be about an 11, NIH
5 stroke scale of 11. So she would be sort of in
6 the middle. In other words, she would be
7 included as a candidate for thrombolytic therapy
8 by her stroke scale.

9 Q. Then if we moved down on the protocol?

10 A. The three-hour time thing that we have
11 talked about that it has to be clearly three
12 hours or less.

13 Q. And then the next heading is
14 contraindications. And is there anything
15 relevant or significant about the --

16 A. Contraindications, mainly reasons that she
17 shouldn't get it, and she had none that would
18 have been excluded her according to the sheet
19 from being a candidate for that treatment.

20 Q. Is there any significance to York
21 Hospital's having this protocol on October
22 26th, 2002?

23 A. I think the significance is that it's a
24 validation of the fact that this is appropriate
25 treatment in those patients who meet the

1 criteria, always meet the criteria. Like so
2 much else in medicine, too, criteria for being
3 treated for tumors, etc. I mean, these are
4 criteria, it's very important, this is powerful
5 good treatment when used correctly, and that's
6 why it has to be spelled out, and it is, and it
7 is everywhere where it's used, and certainly at
8 York Hospital it was a treatment that was
9 appropriate in those cases, patients who met
10 the criteria.

11 Q. Now, doctor, did you arrive at an opinion
12 with a reasonable degree of medical certainty to
13 whether or not Maria Amaya should have been
14 given TPA on October 26th, 2002?

15 A. Yes.

16 Q. And what is your opinion?

17 A. I think she was an excellent candidate for
18 TPA and should have been offered it.

19 Q. Did you, doctor, arrive at an opinion
20 within a reasonable degree of medical certainty
21 as to what the failure to give Ms. Amaya TPA
22 caused her?

23 A. Well, it denied her the only treatment that
24 would have given her the possibility of possibly
25 full and certainly significant recovery. So it

1 basically, it denied her the opportunity to be
2 normal, or improved certainly significantly.

3 Q. Now, doctor, you described York Hospital as
4 a tertiary care center and what that means. Is
5 there a significance here to the fact that York
6 Hospital being a tertiary care center?

7 A. Yes.

8 Q. And what is that?

9 A. It's the kind of center where TPA should be
10 used most, where the systems are in place and
11 the neuroradiologist and neurologist and all the
12 people who participate in these kind of patients
13 are available, are expected to be available, and
14 I believe would have been available if they had
15 been called, the process initiated.

16 MR ROTHSCHILD: Thank you, doctor. I have
17 no further questions on direct, Your Honor.

18 THE COURT: All right. Thank you,
19 Mr. Rothschild. Mr. Stump, would you begin
20 your cross examination?

21 MR. STUMP: I will. May I move the screen,
22 Your Honor, so it's not --

23 THE COURT: Certainly.

24 (Brief pause.)

25 CROSS EXAMINATION BY MR. STUMP:

1 Q. Doctor, let me just start with the concept
2 you've just discussed in the ending, the idea of
3 the chance. Dr. Mehlman, isn't it a fact that
4 as many as 25 to 30 percent of all stroke
5 patients get better, improve, without TPA?

6 A. A certain number of patients will improve,
7 correct.

8 Q. So you weren't trying to suggest to this
9 jury that TPA is the only way that a stroke
10 patient can improve. In fact, a good percentage
11 of stroke patients improve spontaneously,
12 correct?

13 A. Right, and they don't get TPA if that's
14 happening, correct.

15 Q. Right. So TPA isn't the only option for
16 improvement?

17 A. It's the only drug, the only medication
18 that we have that can affect the outcome.

19 Q. Well, patients are treated with Heparin as
20 well, aren't they?

21 A. No evidence that Heparin, some patients
22 do get treated, but there's no evidence that
23 Heparin has efficacy.

24 Q. Well, do you treat stroke patients with
25 Heparin?

1 A. I might on occasion if they're having what
2 looks like a stuttering stroke where they're
3 having ups and downs, they're getting better,
4 they're getting worse, and I would get a
5 neurologist involved in that kind of patient
6 and I might, and she got Heparin, and Mrs. Amaya
7 ultimately got Heparin at the two-day mark. I
8 think if it's a stroke that's been completed and
9 done, then it's questionable. But if you have
10 what's looking like I would call and people
11 would call a stuttering stroke, it can buy time
12 and it might be useful.

13 Q. Well, I was going to cover this later, but
14 since you brought it up why don't we talk about
15 it for a moment. Strokes do have stuttering
16 starts, correct?

17 A. They can.

18 Q. Strokes just don't all start at once with
19 acute symptoms. They can start and evolve over
20 hours, days, and weeks, can't they, sir?

21 A. They can. I don't know about weeks, but
22 they certainly can be stuttering for an hour
23 or two or three possibly, yes.

24 Q. All right. Well, and the concept of an
25 evolving stroke, that's something that

1 progresses over time, correct?

2 A. Correct.

3 Q. And symptoms can change over time, correct?

4 A. Correct.

5 Q. And you would agree, wouldn't you, that
6 headache can be associated with stroke?

7 A. Not typically.

8 Q. But it can be?

9 A. It's not impossible. I mean, 20 percent of
10 the population has headaches.

11 Q. But we're talking about stroke here.
12 Headache can be consistent with stroke, correct?

13 A. Not, I wouldn't say typically, but it
14 could be.

15 Q. Okay.

16 A. Not typical.

17 Q. All right. How about chest pain? Can
18 chest pain be associated with stroke?

19 A. Well, people can -- I mean, the cart and
20 the horse, it's possible that a patient having
21 chest pain is having angina, and that is
22 decreasing blood flow, so that the cause of
23 their stroke could be chest pain.

24 Q. Okay.

25 A. Or people having a stroke could be very

1 stressed, and if they have a baseline
2 compromised cardiac status, getting a stroke
3 is stressful, it could cause more chest pain.
4 So it goes both ways, but certainly chest pain
5 could be related to a stroke picture, either
6 causative or a result.

7 Q. Okay, and you're aware that [REDACTED]
8 reported earlier she had chest pain which
9 resolved?

10 A. Right. She had some chest discomfort,
11 correct.

12 Q. Okay. There are different types of stroke,
13 aren't there, sir?

14 A. Yes.

15 Q. And without going into it too far, there's
16 a bleeding stroke?

17 A. Yes.

18 Q. And there's an emboli, an embolic stroke?

19 A. Yes.

20 Q. And there's an, is it thrombotic?

21 A. Thrombotic.

22 Q. Thrombotic stroke, okay, and strokes can
23 occur in different parts of the brain, can't
24 they?

25 A. Yes.

1 Q. Isn't it fair, doctor, that the different
2 types of stroke can cause a different
3 constellation of symptoms?

4 A. Certainly, yes.

5 Q. And depending upon where the stroke is in
6 your brain you can have different symptoms?

7 A. Yes.

8 Q. There's not a cookbook of stroke symptoms,
9 is there? There's not one way that every stroke
10 patient presents, is there, doctor?

11 A. No. It can be variable.

12 Q. Variable? Right? And when a patient comes
13 into the emergency department, you can't look at
14 them on their face and tell what type of stroke
15 they might be having, correct?

16 A. Sometimes you can, but not typically.

17 Q. Maybe you can.

18 A. Yes.

19 Q. You can. Most doctors can't.

20 A. Right.

21 Q. Excuse me for turning my back, doctor.

22 I want to go through a couple of general
23 concepts that hopefully we can agree on.

24 Dr. Mehlman, have you found that in the practice
25 of medicine that it is not an exact science?

1 A. It's getting pretty exact.

2 Q. Has it been your experience that clinical
3 judgment is an important part of every medical
4 decision you make?

5 A. Certainly.

6 Q. Has it been your experience that the
7 ability to see, talk to, and evaluate a patient
8 is vital to forming a clinical judgment on a
9 patient?

10 A. Yes.

11 Q. Is it fair to say that you have not had the
12 opportunity, because you're a retained expert
13 here, to actually speak with, evaluate
14 [REDACTED] at the time?

15 A. Yes.

16 Q. And again I want to be fair, that's the
17 same with all the retained experts in the case.
18 You weren't there, they weren't there, you're
19 relying on the records and the deposition
20 testimony, correct?

21 A. Yes.

22 Q. In many situations in medicine isn't it
23 true that your experience is there is more
24 than one acceptable form of treatment?

25 A. In a lot of areas, yes.

1 Q. And on occasion do you find that you and a
2 colleague can look at the same patient and reach
3 different conclusions with regard to what you
4 think is best for the patient?

5 A. Yes.

6 Q. And is it fair to say that there are
7 controversies in medicine?

8 A. Yes.

9 Q. Just because you and a colleague can look
10 at the same situation and exercise different
11 judgments doesn't in and of itself mean that
12 the other physician is committing malpractice,
13 does it?

14 A. Correct.

15 Q. Doctor, you would agree, wouldn't you, that
16 a malpractice case like this against physicians
17 is a serious matter for both sides?

18 A. Yes.

19 Q. And as someone who comes into court and
20 offers opinions, it's important that you
21 understand the facts, correct?

22 A. Yes.

23 Q. Because you weren't there, and so you're
24 only assuming certain facts to form your
25 opinion, correct?

1 A. Yes.

2 Q. And if those facts aren't correct, then
3 your opinions may well not be valid. Would
4 you agree with that?

5 A. Yes.

6 Q. Would you agree, doctor -- let me back up.
7 In your practice over the past ten years at the
8 seven different hospitals you've worked at, how
9 frequently have you personally seen stroke
10 patients?

11 A. I couldn't begin to count the number.
12 Many, many, many.

13 Q. It's fairly common --

14 A. Yes.

15 Q. -- in emergency departments?

16 A. Yes.

17 Q. And in fact wouldn't it be true, doctor,
18 that even as of today hundreds of thousands of
19 people in the United States die every year from
20 stroke?

21 A. Yes.

22 Q. It's one of the top four or five killers in
23 the United States?

24 A. It's an important disease, yes.

25 Q. So even though TPA has been around for ten

1 years, it's still one of the most largest
2 killers of people in the United States, stroke?

3 A. Correct.

4 Q. And that's because TPA is very rarely given
5 for stroke patients, isn't that true?

6 A. I wouldn't say rarely, but it's not given
7 frequently.

8 Q. Well, go to your experience, sir. You've
9 had more stroke patients than you can count in
10 the last ten years, but you've only given it
11 what, eight, maybe ten times?

12 A. Maybe ten times, correct.

13 Q. So you've rarely given it?

14 A. I don't know if that's rare, and I think
15 about it with every stroke, but most strokes
16 are not eligible because of all the criteria and
17 stringent safeguards so that it does good and
18 not harm. So it's defined.

19 Q. So you're highly selective about which
20 stroke patients you give this medication to?

21 A. Certainly, yes.

22 Q. Because it's a dangerous medication?

23 A. It's dangerous if used inappropriately,
24 correct.

25 Q. You made a reference, and you weren't

1 trying to suggest earlier that giving TPA is
2 like giving water?

3 A. It's like -- well, too much water is
4 dangerous. Hopefully I'm not having too much
5 of it, but certainly chemotherapy is poison,
6 Coumadin is rat poison originally, and how many
7 patients are on Coumadin? There's a world of
8 people with cardiac valves on Coumadin, or
9 everybody in atrial fibrillation. It was
10 originally rat poison. But if given correctly,
11 in people without liver disease whose studies
12 are done frequently, you know, it has to be used
13 like many of the drugs we use, carefully.

14 Q. And as a physician, before you use this
15 drug you exercise your medical judgment,
16 correct?

17 A. And follow very strict policies and
18 guidelines, yes. I mean, more than my judgment
19 really. I'm doing everything to make sure that
20 the criteria are satisfied, yes.

21 Q. Okay. And your hospital just actually
22 became a stroke center a few months ago.

23 A. Right.

24 Q. All right. So actually when you wrote your
25 report criticizing Dr. Jensen and Dr. Salib,

1 both reports actually, the place that you worked
2 wasn't even designated as a stroke center, isn't
3 that correct?

4 A. Well, actually the NYACK hospital wasn't,
5 but where I was before, Mary Immaculate, we also
6 applied and I participated as a director to get
7 stroke certification. We didn't get it
8 initially because we didn't have some of the
9 pieces that would have, that the state of New
10 York wants to see in place. But that's correct,
11 where I was, NYACK, for the first year and a
12 half, was not a stroke center.

13 Q. Now, let's go back to when you exercised
14 your judgment on those selected patients that
15 you believed should receive TPA. I assume that
16 you speak to the patient?

17 A. Oh, yes, certainly.

18 Q. And patient history is a very important
19 part of the diagnosis, isn't it?

20 A. Correct.

21 Q. Would it be generally accepted that the
22 history the patient gives you accounts for about
23 70 percent of diagnosis?

24 A. I don't know if I would say that, but
25 certainly the history is important.

1 Q. All right. It's not the standard of care
2 to ignore the history the patient gives you,
3 is it, doctor?

4 A. No.

5 Q. You're not suggesting to this jury that
6 Dr. Salib or Dr. Jensen should have simply
7 ignored the history that [REDACTED] gave them?

8 A. No.

9 Q. The next part of making your judgment
10 decision on selecting patients would be the
11 physical examination, correct?

12 A. Yes.

13 Q. And the history and the physical
14 examination, things that you do at bedside,
15 you would agree that that's the majority of
16 the information that you need to exercise your
17 judgment generally speaking in medicine?

18 A. Right, and then the tests like the CAT
19 scan, etc., yes.

20 Q. Sure. And obviously as an expert you
21 haven't been given that opportunity with
22 [REDACTED] to speak with her or to examine
23 her, correct?

24 A. Correct.

25 Q. So you're not in as good a position to

1 exercise judgment as the physicians who actually
2 did speak with her and who did examine her,
3 isn't that correct?

4 A. Theoretically, yes.

5 Q. Theoretically?

6 A. Well, it depends on, you know, was a
7 correct full history taken, was it taken in
8 a timely manner, but assuming all that happened
9 that's the best of all worlds, correct.

10 Q. Now, before you considered administering
11 TPA I think you have agreed and agreed with the
12 protocols, the inclusion exclusion criteria of
13 York Hospital, there must be clearly defined
14 onset of symptoms, correct?

15 A. Yes.

16 Q. And if it's not clear when the symptoms
17 started, you can't give TPA?

18 A. Correct.

19 Q. And in fact, if someone is just asleep and
20 they wake up with symptoms, you can't give TPA
21 because you don't know when they started,
22 correct?

23 A. Assuming they went to sleep three or four
24 hours ago or two hours ago, long enough so
25 that -- if they went to sleep an hour ago you

1 might be able to, but typically yes.

2 Q. Now, when a patient comes in, before you
3 administer this dangerous medication, if they
4 tell you when their symptoms started, you don't
5 say to them no, you're wrong, or I don't care
6 what you say, or I'm going to give it to you
7 anyway regardless of what you say. You don't
8 do that in practice, do you, doctor?

9 A. On the time you do everything you can to
10 drill down to what the times are. So it's not
11 a cavalier passing, so when did this start.
12 It's so what were you doing and when did you
13 find this and that. It's drilling down, it's
14 not a casual conversation. It should be,
15 because it's critical, a very focused and
16 repeated and trying to, it may, that
17 conversation could be 30 seconds. If there's
18 family there and they say she fell down, I mean
19 it happened right at this point, she was in the
20 kitchen, you confirm that, and that's a short
21 simple conversation. If that's not the
22 situation, then you drill and try to determine
23 that, because it is critical time.

24 Q. And I think you even said in your direct
25 testimony that giving TPA when it's not

1 indicated is potentially criminal?

2 A. Well, it would be dangerous to give
3 somebody, I think I said somebody who might
4 have a hemorrhage or a bleed would be criminal
5 and --

6 Q. That's what you said.

7 A. -- I think is what I said.

8 Q. So if someone might have a bleed it would
9 be criminal to give them TPA?

10 A. Yeah.

11 Q. Because you could kill them?

12 A. Yes, in a word, but it would be pretty bad.

13 Q. On this timing, if there's any reasonable
14 doubt about when the symptoms of the stroke
15 started, isn't it a fact, sir, that as an
16 emergency physician you're required to err
17 on the side of not giving the TPA?

18 A. If the time is questionable and you're not
19 sure and it's clearly out of the three-hour
20 zone, it shouldn't be given.

21 Q. So if Dr. Salib and Dr. Jensen were
22 actually given information suggesting at least
23 an ambiguity as to when the stroke started so it
24 would have been outside the three-hour window,
25 you agree that their decision not to give TPA

1 was appropriate?

2 A. If there was question, if there were
3 questions it would be not appropriate to give
4 TPA, if you could not be within a three-hour
5 time limit.

6 Q. Because the first maxim of medicine is
7 first do no harm, correct?

8 A. Correct.

9 Q. And when you're giving a patient a drug
10 which has the type of significant side effects
11 potentially that TPA does, you want to make sure
12 you're right, don't you, doctor?

13 A. Yes.

14 Q. Doctor, would you agree that there is
15 controversy within the medical community as to
16 the appropriateness and efficacy of using TPA
17 for acute stroke?

18 A. Not if, in my mind I think in the patients
19 who clearly in the appropriate hospitals where
20 scans are read correctly and appropriately and
21 protocols exist, and it's a therapy that's
22 correct, acceptable, and as far as I'm concerned
23 the standard of care. It should not be given by
24 people who are incapable of reading a CAT scan
25 and who haven't, don't know what they're doing,

1 and it's, treatment to me not questionable or
2 controversial when done appropriately as
3 medicine should be done.

4 Q. That was a long answer, so let me try to
5 drill down --

6 A. Not controversial in the correct use.

7 Q. So are you saying, doctor, then it's not
8 the standard of care in all hospitals?

9 A. Correct. It shouldn't be in all hospitals
10 standard of care unless they're prepared to do
11 it correctly.

12 Q. So in many hospitals in the United States
13 you would agree that it's not the standard of
14 care to give TPA for acute stroke?

15 A. I didn't say that. I said in hospitals
16 that are not focused on it, don't have
17 radiologists who can read head CT's, CAT scans
18 of the brain correctly and timely, and in which,
19 in those hospitals it should be controversial.

20 Q. I just want to make sure I'm clear then.
21 You're saying the standard of care of medicine
22 is determined based upon which hospital you're
23 at? Something might be the standard of care in
24 the nation in one hospital but not in another
25 hospital? Is that your testimony, doctor?

1 A. I'm saying that in the middle of nowhere in
2 a community hospital you're not going to get,
3 expect to have that to be a burn care unit or do
4 chemotherapy for cancer. Nor it should it be
5 the place that strokes would be managed, and
6 those patients, if they are real early, should
7 be flown or evacuated to an appropriate
8 hospital, but in appropriate hospitals that have
9 protocols and say they're doing it and do it,
10 it's not controversial in those candidates,
11 those patients who fulfill all the criteria.

12 Q. Again I'm not trying to be argumentative
13 here, sir, but I wasn't asking about
14 controversial. I'm asking about the standard
15 of care. Are you saying that the standard of
16 care is defined based upon a hospital by
17 hospital basis? One thing can be the standard
18 of care at one hospital and not the standard
19 of care at another hospital?

20 A. I think that there's lots of little
21 community hospitals that don't present
22 themselves or advertise themselves as treating
23 stroke, and I'm sure they refer those patients
24 rapidly and they do not have protocols in place
25 to treat stroke because they don't have somebody

1 reading a CAT scan correctly. Yeah, I mean, for
2 that, just like some hospitals don't do cardiac
3 catheterization, which would be angioplasty,
4 which would be the best thing to do for an acute
5 heart attack.

6 Not every hospital does that. They refer.
7 So certainly every hospital takes care of the
8 basic things, like supporting the airway and
9 making the diagnosis, but no, I don't think
10 every hospital presents themselves, nor should
11 they, as being capable and competent to do the
12 right thing for stroke patients. York Hospital
13 certainly presented itself and it was a tertiary
14 care center with policies in place.

15 Q. Did you ever see any policy which said that
16 you had to give TPA at York Hospital?

17 A. No.

18 Q. There is no such policy anywhere that says
19 you have to give TPA at any hospital, is there,
20 doctor?

21 A. No. It suggests that this be considered as
22 a modality in those appropriate patients.

23 Q. Exactly. The suggestion is that it be
24 considered, but there's no requirement that it
25 be given, isn't that a fact, sir?

1 A. I think it is the standard of care for
2 patients who meet the criteria.

3 Q. Doctor, you said you're not a member of the
4 American Academy of Emergency Medicine?

5 A. Correct.

6 Q. But you certainly recognize that as
7 preeminent national emergency medicine
8 professional society?

9 A. Yes. It's a society in emergency medicine,
10 correct.

11 Q. And are you familiar with the American
12 Academy of Emergency Medicine's position on
13 use of TPA for acute stroke?

14 A. Yes.

15 Q. Would you agree that it is the position of
16 the American Academy of Emergency Medicine that
17 objective evidence regarding the efficacy,
18 safety, and applicability of TPA for acute
19 ischemic stroke is insufficient to warrant its
20 classification as standard of care?

21 A. I think what they're saying in the --

22 Q. First of all do you agree that's their
23 position?

24 A. You're giving me a sentence or two out of
25 the whole policy, which I will look at if you're

1 going to ask me. I'm not going to let it be
2 taken out of context and comment on it.

3 Q. Let me give you the entire --

4 A. Are you taking about the AEM position
5 statement?

6 Q. Yes.

7 (Brief pause.)

8 A. Is that what we're talking about?

9 Q. Yes, sir. Under conclusion, the American
10 Academy of Emergency Medicine concludes that
11 insufficient data to establish use of TPA for
12 acute stroke is the standard of care. That's
13 what it says, doesn't it, doctor?

14 A. Yes.

15 Q. And you disagree with the American Academy
16 of Emergency Medicine then because you said it
17 is the standard of care?

18 A. The American Heart Association, the
19 American Society --

20 Q. Objection, Your Honor.

21 A. Neurologists.

22 Q. Objection, Your Honor.

23 THE COURT: Stop your response, and I'll
24 allow him to state his objection.

25 MR. STUMP: I object because there was

1 reference to this, and I asked for copies of
2 what he's claiming things say, and I wasn't
3 provided any.

4 THE COURT: Well, the answer was also
5 non-responsive. The question is, doctor,
6 you disagree with the American Academy of
7 Emergency Medicine then because you said it
8 is the standard of care. So is that correct
9 that you disagree?

10 THE WITNESS: Yes, that's correct, Your
11 Honor.

12 BY MR. STUMP:

13 Q. And you're also not a member of the society
14 of American, society of academic American -- I'm
15 sorry, the Society of Academic Emergency
16 Medicine, correct?

17 A. Correct.

18 Q. But you would agree that that is a
19 respected and reputable national organization,
20 professional society, concerning emergency
21 medicine?

22 A. Generally, correct.

23 Q. And are you familiar with the position of
24 the Society of Academic Emergency Medicine
25 regarding the use of thrombolytics for acute

1 stroke?

2 A. Yes, I've read it.

3 Q. And they also say that there's insufficient
4 evidence to determine it's the standard of care?

5 A. Correct.

6 Q. So you disagree with the Society of
7 Academic Emergency Medicine as well?

8 A. Correct. Can I add something, Your Honor?

9 THE COURT: You'll have an opportunity when
10 Mr. Rothschild asks you additional questions.

11 Q. So you told us before you've never
12 published a single article on emergency
13 medicine, much less TPA, correct?

14 A. Correct.

15 Q. You've never taught emergency medicine in
16 a dedicated program, correct?

17 A. Not an emergency program, correct.

18 Q. You've never written a textbook chapter or
19 a textbook article, you've never been invited
20 once to give a national scientific presentation
21 to physicians on emergency medicine or TPA,
22 correct?

23 A. Correct.

24 Q. You've never once been given a research
25 grant to study TPA, correct?

1 A. Correct.

2 Q. But you're in here in court offering
3 opinions that are contrary to the positions
4 of major national academic emergency medicine
5 societies, correct?

6 A. I certainly take issue with those. And
7 may I add something, Your Honor?

8 Q. Let me ask you this.

9 THE COURT: Let him explain his answer.
10 You may explain.

11 A. The American College of Emergency
12 Physicians is the official organ that represents
13 emergency physicians. That's the national
14 official group. There is also societies, and
15 it turns out that the societies that were
16 mentioned are, have taken a position that's
17 contrary to what the joint commission of a
18 hospital accreditation is, the American Heart
19 Association --

20 MR. STUMP: Objection. It's nonresponsive
21 again, Your Honor.

22 THE WITNESS: Let me finish, please.

23 THE COURT: Hold on, doctor. If you'd
24 please stop. Counsel, would you approach,
25 please?

1 (Side bar at 11:46 a.m.)

2 (Discussion held off the record.)

3 THE COURT: Mr. Stump, your concern is that
4 the witness is testifying about statements from
5 societies that were the subject of your motion
6 in limine, that you have not been provided with
7 those statements.

8 MR. STUMP: Correct.

9 THE COURT: And therefore you object on
10 the grounds of surprise and an inability to
11 prepare cross examination on these subjects.
12 Mr. Rothschild, are you familiar with these
13 statements and why have these statements not
14 been given to Mr. Stump?

15 MR ROTHSCCHILD: First of all, Your Honor,
16 I don't have these statements. Mr. Stump made
17 his motion in limine, and he never, he objected
18 to these being used because he felt that they
19 were in his motion outside of the expertise of
20 an emergency medicine physician. He never
21 objected to them on the fact of not having them
22 or saying that he didn't have them. So that was
23 never an issue as the subject of his motion.

24 THE COURT: Well, but I clearly told you,
25 and it may have been off the record, but I

1 clearly told you in chambers that I would not
2 allow this witness to testify about statements
3 that were not provided to opposing counsel,
4 statement of professional societies that were
5 not provided to opposing counsel.

6 MR. ROTHSCILD: Your Honor, I think that
7 wasn't quite it. What was sent to me in an
8 e-mail last week, December 28th, from
9 Mr. Bartos, Mr. Stump's associate, was a request
10 for studies that we were going to use, which was
11 different from this and it was different from
12 the subject of the motion.

13 THE COURT: But I clearly indicated to you
14 that if this witness is going to testify about
15 positional policy statements, that is the
16 statements of some organized medical association
17 or group of physicians, that that needed to be
18 provided to your opposing counsel in advance of
19 the witness testifying. If you have not
20 provided those to Mr. Stump, then I don't
21 believe this witness, I'm not going to permit
22 this witness to testify about those statements,
23 but I thought I heard him speak of an
24 organization of emergency physicians.

25 MR. STUMP: He did.

1 THE COURT: That clearly is outside the
2 ambit of your motion in limine, and I think that
3 would be acceptable for him to testify about
4 what he considers to be the mainstream society
5 of emergency physicians and their perspective
6 on this issue of standard of care and the
7 administration of TPA.

8 MR. STUMP: And I have no objection to that.

9 THE COURT: All right.

10 MR. STUMP: That was not part of my
11 objection. It just seems he was going down
12 the JCAHO and so forth, and I don't have the
13 JCAHO standards.

14 THE COURT: All right. Mr. Rothschild,
15 do you have a concern about that?

16 MR. ROTHSCHILD: Well, I mean I think that
17 what was asked for last week and mentioned again
18 this week was not what he was testifying to.
19 I mean, and he certainly didn't do it on his
20 direct testimony. I think some of this he's
21 opening by his cross examination, but these
22 were not things that were requested that he's
23 testifying to, and I guess at some point we all
24 do our research of things that we want to use
25 and put into evidence, and I think these are

1 separate from what he asked for, and therefore
2 that Dr. Mehlman should be able to testify to
3 them, and it wasn't the subject of what Your
4 Honor was saying I needed to provide. There
5 were studies he was talking about.

6 THE COURT: Well, we should be able to clear
7 that up, because if it was the subject of
8 Mr. Stump's motion in limine, and you haven't
9 provided it, and clearly he's going to, I'm
10 going to prevent him from further testimony.
11 If it's something beyond the motion in limine,
12 then maybe it's acceptable in response to cross
13 examination questions. So, Mr. Stump, can you
14 put on the record clearly what are the studies
15 and what are the societies or medical
16 organizations that were the subject of your
17 motion in limine?

18 MR. STUMP: As I articulated in my motion,
19 the American Heart Association, the American
20 Academy of Neurology, and JCAHO, the Joint
21 Commission on Accreditation Hospitals. I have
22 no objection to the reference to ACEP, the
23 American College of Emergency Physicians.

24 THE COURT: The joint accreditation?

25 MR. STUMP: Referred to as JCAHO.

1 THE COURT: I think this would also be an
2 appropriate time for us to break. I recognize
3 that this witness is on cross examination, and
4 I would -- I'm sorry, Mr. Stump, you were going
5 to suggest something?

6 MR. STUMP: I was going to ask if I could
7 have sixty seconds.

8 THE COURT: Will you get us beyond this
9 subject?

10 MR. STUMP: I think I will, Your Honor.
11 I wanted to, he raised the American College.
12 I'd like to ask him question or two about the
13 American College. I have the policy pulled out
14 right here in my right hand.

15 THE COURT: Well --

16 MR. STUMP: If you don't want to that's
17 fine.

18 THE COURT: I've got people waiting on the
19 this criminal proceeding. I'd like to move on.

20 MR. STUMP: I'm going to withdraw my
21 request.

22 THE COURT: I'm going to excuse the jury and
23 then advise the witness what the proper subject
24 of his response can be and that the issue
25 regarding statements of these other

1 organizations will not be permitted because
2 it was the subject of Mr. Stump's motion in
3 limine. Okay? Thank you.

4 (Discussion held off the record.)

5 (Testimony resumed at 11:54 a.m.)

6 THE COURT: Ladies and gentlemen, we will
7 break at this time for our lunch recess, and
8 I would ask that you return at 1:15. Again
9 please abide by my earlier instructions, and
10 that is that you refrain from any substantive
11 conversations about the testimony and the
12 evidence that you have heard so far. You'll
13 have an opportunity to do that at the time of
14 final deliberations.

15 Please do not conduct any independent
16 research. You must make your decision on the
17 facts of this case based solely on the evidence
18 presented in this courtroom, and you will recall
19 my other instructions I'm sure. Please have
20 a nice lunch and return at 1:15 for the
21 conclusion of this doctor's testimony.

22 Ms. McKinney, would you escort the jury?

23 (Jury excused at 11:54 a.m.)

24 THE COURT: Please be seated. While we
25 were at side bar, doctor, the subject of the

1 statements of JCAHO, the American Academy of
2 Neurologists, and the American Heart Association
3 came up. This was the subject of a motion in
4 limine by the defendants to preclude any
5 testimony about statements from these
6 organizations. My ruling did not prohibit
7 testimony concerning these statements, but
8 required plaintiff's counsel to present those
9 statements in advance of any testimony if it
10 was to be referred to during the course of an
11 expert's presentation.

12 Because those statements have not been
13 provided to defense counsel I'm going to direct
14 you and instruct you not to refer to the
15 statements of the American Heart Association,
16 the American Academy of Neurologists, or JCAHO.
17 You may, however, refer to the American College
18 of Emergency Physicians statement, because that
19 was not the subject of the defendant's motion in
20 limine, and my understanding is that those
21 materials are available to defense counsel.

22 To the extent that additional statements
23 are going to be introduced in the context of
24 this case, I do want counsel to share them.
25 The issue here is the opportunity for

1 preparation of cross examination and prejudice
2 to the party who does not receive the statement.
3 If it is provided in advance of the testimony,
4 it is relevant and meets the other requirements
5 for admission, it will be permitted. Is that
6 clear, doctor?

7 THE WITNESS: Yes, sir.

8 THE COURT: All right. We're in recess
9 until 1:15. Are there any other matters that
10 counsel would like to address before we recess?

11 MR ROTHSCHILD: No, Your Honor.

12 THE COURT: Mr. Stump?

13 MR. STUMP: Your Honor, I believe that
14 Mr. Bartos may have been able to secure some
15 other equipment to use, and I told
16 Mr. Rothschild that I certainly have no
17 objection to him using any equipment that we
18 bring in so that we get a clearer presentation
19 to the jury.

20 THE COURT: That would be much appreciated.
21 And again my apologies to counsel on this issue.

22 MR. ROTHSCHILD: Thank you.

23 THE COURT: One final matter, doctor.
24 Unfortunately because you're on cross
25 examination I have to instruct you to refrain

1 from any substantive conversations with
2 plaintiff's counsel concerning the subject
3 matter of your testimony. I'm not picking on
4 you. This is a standard instruction when we
5 take a break and a witness is on cross
6 examination. Please abide by that instruction,
7 and I thank you in advance for your cooperation.

8 THE WITNESS: Thank you, Your Honor.

9 THE COURT: We're in recess until 1:15.

10 (Court recessed at 11:58 a.m. Trial
11 resumed at 1:20 p.m.)

12 THE COURT: Good afternoon. Please be
13 seated. Dr. Mehlman, thank you for coming
14 up to the witness stand already. I remind you
15 that you're still under oath. Mr. Stump, you
16 may continue.

17 CONTINUED CROSS EXAMINATION BY MR. STUMP:

18 Q. Thank you, Your Honor. Dr. Mehlman, before
19 the lunch break we were talking about the
20 position statements of the Society of Academic
21 Emergency Medicine and the American Academy of
22 Emergency Medicine, and you mentioned as well
23 that there is an organization called the
24 American College of Emergency Physicians,
25 correct?

1 A. Yes.

2 Q. And you are a member of that organization,
3 correct?

4 A. Yes.

5 Q. And I trust that you are aware that that
6 organization as well has a position statement
7 on the use of TPA for stroke, correct?

8 A. Yes.

9 Q. And are you familiar with that statement?

10 A. Yes.

11 Q. All right. Incidentally, doctor, when
12 the American College formulated this position
13 on TPA use in acute stroke, were you asked to
14 participate in that debate?

15 A. No.

16 Q. Do you have that in front of you, sir?

17 A. Yes.

18 Q. I just want to make sure because I know
19 there are different documents, I want to make
20 sure that you and I are looking at the same
21 thing. And I believe we are, aren't we, sir?

22 A. Yes.

23 Q. All right. And the position statement
24 indicates that the American College endorses
25 the following principles regarding the use of

1 intravenous TPA in the emergency department
2 management of acute stroke, correct?

3 A. Yes.

4 Q. Under the second bullet point the American
5 College says, "Further studies are needed to
6 define more clearly those patients most likely
7 to benefit from," if you could pronounce that
8 next word for me?

9 A. Fibrinolytic.

10 Q. "Further studies are needed to define
11 those patients most likely to benefit from
12 fibrinolytic therapy in acute ischemic stroke."
13 Isn't that what the position says?

14 A. Yes.

15 Q. And when we're talking about, we're talking
16 about TPA right here, correct?

17 A. Correct.

18 Q. It also says, "Intravenous TPA may be
19 efficacious therapy for the management of acute
20 ischemic stroke if properly used incorporating
21 the guidelines established by the National
22 Institute of Neurological Disorders and
23 Strokes," the NINDS study, correct?

24 A. Yes.

25 Q. So it says it may be, but also says further

1 studies are needed to determine who are the
2 proper patients to receive it, correct?

3 A. That's what it says, yes.

4 Q. And incidentally, doctor, when was this
5 statement approved? Would you tell the jury,
6 please?

7 A. I believe this was, it was around 2005.

8 Q. I think you're looking at the wrong, I
9 think you're looking at the print date, sir.
10 Doesn't it say, "Approved by the American
11 College"?

12 A. 2002, yes. Then 2005.

13 Q. This was approved in February of 2002?

14 A. Correct.

15 Q. A formal statement of the American College
16 just eight months before the care in dispute,
17 correct?

18 A. Yes.

19 Q. Now, when you spoke before about the
20 subarachnoid hemorrhage in the use of CT
21 scanning, do you recall that?

22 A. Yes.

23 Q. And you said that for the type of stroke
24 that it was ultimately determined [REDACTED]
25 had, that CT is 95, maybe even 97 percent

1 effective at picking up bleeding, correct?

2 A. Yes, overall a CT is 95 to 97 percent,
3 probably a little higher in that area of the
4 brain.

5 Q. In that area?

6 A. Yes.

7 Q. But you also said in other areas of the
8 brain it's not as effective, correct?

9 A. In the posterior, or the old part of the
10 brain, the brain stem, it's not quite as good,
11 in the 95 or 94, 95 percent, because there's a
12 lot of bone that can interfere a little bit with
13 imaging with CAT scans.

14 Q. As an emergency physician taking care of
15 a patient, when they walk in you can't tell
16 exactly where their potential bleeding or
17 infarct is, can you?

18 A. Well, not correct, because the brain stem
19 has very specific presentations which are more
20 often what's called cerebellar brain stem
21 finding where nausea, vomiting, balance, finger
22 nose that we do, that kind of thing, people
23 who have posterior lesions typically have a
24 different presentation. They have a lot more
25 balance and nausea and vomiting type symptoms.

1 Q. So there may be some circumstances, but
2 certainly not all?

3 A. No. But it's a different picture taken.

4 Q. Okay. Let's talk about timing of TPA
5 administration and the potential benefit, and
6 really with TPA use, like many other drugs, you
7 as the physician have to go through a benefit
8 risk analysis, correct?

9 A. Yes.

10 Q. And you would agree, sir, wouldn't you,
11 that with TPA, even within that three-hour
12 window, the sooner the better?

13 A. Yes, it's better to give it as early as
14 possible.

15 Q. So you said thirty minutes was better than
16 two hours?

17 A. Correct.

18 Q. So when you're weighing that risk benefit
19 analysis, you as a clinician know that the
20 further along in that, even in that three-hour
21 window, the less likely benefit?

22 A. Well, under three hours is the cutoff.
23 There is the earlier you give the more likely
24 you'll get better results compared to potential
25 complications.

1 Q. So if you're giving it two hours and 45
2 minutes, the chance of having any benefit is
3 less than you give it at thirty minutes?

4 A. I don't know that that study has ever been
5 done, but it's logical.

6 Q. You don't dispute it? You don't dispute
7 that?

8 A. I don't dispute that it's better to give
9 it earlier than, the earliest as possible.

10 Q. Did you testify earlier, sir, that the
11 chance of some incremental improvement by giving
12 TPA to an appropriate candidate is 12 percent?

13 A. Something like that, yeah.

14 Q. And that's according to the NINDS study,
15 correct?

16 A. Yes.

17 Q. So if we accept that study, the most it's
18 saying is as opposed to the, I think you said 25
19 to 30 percent chance people will get better just
20 on their own, you're saying there's perhaps a 12
21 percent additional increased chance that they'll
22 get better with TPA if they're an appropriate
23 candidate?

24 A. Yes. I have to look probably at the study,
25 but it's at least 12. I prefer to look at the

1 number, but it's 12 to 30, yet a variable
2 improvement, which is variable.

3 Q. And in contrast, every patient who gets
4 TPA, even an appropriate candidate, has an
5 additional 7 percent chance of significant
6 complications even under NINDS?

7 A. 6 percent increased chance of bleeding,
8 but the mortality is still smaller in the group
9 that's treated, regardless even if they get a
10 complication they still do better.

11 Q. And to be clear, the NINDS study was a
12 research project? It's a research trial. It
13 wasn't a clinical trial in like actual hospital
14 settings?

15 A. Well, it was a study performed by our
16 nation's National Institute of Neurological
17 Disease. It was not done, it was not cavalier.
18 It was definitely a big national study done by
19 the NIH and the neurologic division there.

20 Q. And who paid for that study?

21 A. Probably all of us.

22 Q. Are you aware that Genentech, the company
23 that makes the drug, is the one that sponsored
24 the study?

25 A. I'm not aware of that. I'm sure they've

1 probably provided TPA, but I'm not, I'd be
2 surprised if they paid for the entire study.

3 Q. And you are aware, aren't you, sir, that
4 since the NINDS study has come out there have
5 been other studies come out which haven't been
6 able to replicate those results?

7 A. I haven't seen them. If you provided
8 them --

9 Q. You're not familiar with the literature?

10 A. I am familiar with the literature, and
11 I don't think there's any studies that don't
12 support the fact that TPA in the right
13 circumstances is good treatment.

14 Q. Okay. Now, doctor, did you say earlier
15 that even if a patient bleeds in their brain
16 from TPA, it's your opinion they still have a
17 better outcome than if they hadn't been given
18 TPA?

19 A. The study shows that the overall mortality,
20 the death of patients is greater still than the
21 untreated group. Even though it's patients
22 including the patients who have the
23 complications, still the overall mortality is
24 lower than the group that's untreated.

25 Q. All right, but that's a little different

1 though.

2 A. No, it's not different. It's mortality,
3 mortality is improved in patients who are
4 eligible and receive TPA.

5 Q. So if the patient develops a brain bleed,
6 they're better off than if they hadn't, from
7 TPA, they're better off than if they hadn't
8 been given TPA, is that --

9 A. Now you're taking out individual
10 circumstances.

11 Q. I thought that's what you were saying.

12 A. Yeah, statistics are based --

13 THE COURT: Excuse me, one at a time.
14 Mr. Stump, please allow him to complete his
15 answer, and doctor, if you could allow him
16 to complete his answer. I believe, doctor,
17 you were testifying.

18 A. Yes. No, there's nothing good about having
19 a bleed. There's nothing good about being left
20 paralyzed for life. The bottom line of the
21 study is that even with those patients who have
22 a complication, the mortality, the people who
23 die is still less in the treated group even if
24 they have the bleed.

25 Q. The NINDS study, doctor, didn't it break

1 out to patients given TPA in periods of 0 to 90
2 minutes, and then 91 to 180 minutes?

3 A. I have to look at the study and then I'll
4 answer. I don't remember the specific --

5 Q. You don't remember that?

6 A. I looked at it. I didn't memorize it.
7 I'll be happy to look at it if you want to.

8 Q. That's all right. If you're not familiar
9 with it, we'll move on. Doctor, you made
10 reference to getting a translator in the
11 emergency department if necessary. Is it
12 your understanding that Mrs. Amaya does not
13 speak and understand English?

14 A. No, there was testimony though in
15 depositions and somewhere in the records
16 there was some question about language, and
17 the point I was making is that it's an
18 obligation of emergency departments, we even
19 have special phones that exist through AT & T
20 where we get any language translated that we
21 can put someone on the phone. So my only point
22 is that it behooves physicians, particularly
23 when the history is so absolutely critical, and
24 the patient comes in and is described as varying
25 level of consciousness, it's important to do

1 every, to make every effort to be sure the
2 history is correct.

3 On the one hand it's said that she's got an
4 altered level of consciousness, and then on the
5 other hand it's we're expected to say that if
6 7:00 is put out there as a time, that that's
7 correct and somebody who is speaking a language
8 that's questionably being understood. All I
9 know is the black and white is when the EMS got
10 called, and that was after 8:00, and they don't
11 dilly dally, and those times are pretty solid
12 and in stone.

13 Q. So is it your understanding that she could
14 speak English or not?

15 A. I think English is not her primary
16 language, but she did speak it. She worked
17 in Washington, D.C. at a restaurant, but she
18 was noted in the neurologic exam to be having
19 a variable level of consciousness. So she was
20 certainly not herself to say the least.

21 Q. You never spoke with her. So you're making
22 an assumption, aren't you, doctor?

23 A. No, I'm looking at the neurologic picture
24 in the note, which clearly described is not
25 fully oriented.

1 Q. Which note?

2 A. The level of consciousness that was defined
3 in the exams that exist in the neurologic and
4 the reports that are dictated.

5 Q. All right. Well, let's then talk about
6 those notes, because you've been referred to
7 the EMS reports, haven't you, doctor?

8 A. Yes.

9 Q. And to be clear, as the treating physician
10 in the emergency department, first of all you
11 don't have a crystal ball, do you, doctor?

12 A. No.

13 Q. You've got to rely on the information you
14 have, correct?

15 A. Right.

16 Q. All right, and it's correct, isn't it, sir,
17 that those EMS reports that you've been showing
18 to the jury were not even prepared until after
19 all of the events in dispute occurred?

20 A. I haven't shown anything to the jury.
21 I just --

22 Q. Are you aware of that that those reports
23 were not prepared until later in the day?

24 A. What I have has been asked about reports
25 that have been shown to me and I have commented

1 on them. I don't know exactly when they're
2 prepared, but the times in EMS reports are
3 pretty much in granite. Not only that, most
4 systems --

5 Q. Sir, I'm talking about --

6 A. Let me finish, please.

7 THE COURT: I think this is responsive.
8 I'm going to allow him to finish.

9 A. Most systems actually have mechanisms of
10 recording the calls so they can go back on tapes
11 and they have precise times, because this is
12 very critical, response times. Communities are
13 interested in that their ambulances respond
14 within five minutes less. So there's recording
15 and this data, I trust this data.

16 THE COURT: That actually wasn't his
17 question, doctor. His question was do you
18 know when the reports themselves were prepared
19 in relation to the treatment at York Hospital.

20 A. I don't remember the exact time when they
21 were prepared.

22 THE COURT: Okay.

23 Q. You said when you went through the
24 documents that you reviewed that you reviewed
25 the depositions of the various EMS personnel,

1 didn't you, doctor?

2 A. Yes.

3 Q. And do you remember them explaining that
4 those reports are prepared later on after they
5 get back to the station house and they do it on
6 their computer, and they're faxed over to the
7 emergency department later on in the day?

8 A. I certainly read those reports, but I don't
9 remember them, I'd be happy to look at that if
10 you want to refer me to it.

11 Q. So sitting here giving your testimony, you
12 don't know one way or the other whether those
13 EMS reports were even available to Dr. Jensen
14 and Dr. Salib when they provided the care at
15 issue, is that fair?

16 A. I believe the EMS were there when the
17 patient came in to give any information that
18 would have been asked.

19 Q. My question related to the reports. Is it
20 fair, doctor, that you do not know one way or
21 the other sitting here right now whether those
22 reports were even available to Dr. Jensen and
23 Dr. Salib at the time of the care in dispute?

24 A. I can't answer that.

25 Q. Okay. Now, you also referred to the

1 history and physical exam, or you were asked to
2 refer to the history and physical exam prepared
3 by Dr. Bedreshia. Do you recall that?

4 A. Yes.

5 Q. And that's Joint Exhibit 1. I'll start
6 off with page 30. Do you see that doctor?

7 A. Yes, that one screen is a little bit in the
8 way there, the TV. I see the top of it fine,
9 the first paragraph.

10 COURTROOM DEPUTY: Does that help?

11 A. Thank you.

12 Q. Can you see that now, doctor?

13 A. Yes.

14 Q. Do you know who Dr. Bedreshia was?

15 A. She was the admitting resident for the
16 patient.

17 Q. Okay. Do you know when -- did you read
18 her deposition?

19 A. Yes.

20 Q. Do you have a recollection of whether
21 Dr. Bedreshia actually ever spoke to [REDACTED]?

22 A. Did she speak to the patient?

23 Q. Yes.

24 A. I don't recollect. I imagine she must have
25 tried to speak to the patient. She was taking

1 care of her.

2 Q. Do you remember her testimony,
3 Dr. Bedreshia's testimony, that by the
4 time Dr. Bedreshia was involved, [REDACTED]
5 could no longer speak?

6 A. Yes.

7 Q. And the history that Dr. Bedreshia got she
8 got from [REDACTED] isn't that correct?

9 A. I think she got the history from multiple
10 sources, but certainly also from [REDACTED]
11 correct.

12 Q. So when you're relying on this document to
13 say that the symptoms started at 8:00, this is a
14 document that contains information from someone
15 who admittedly wasn't even there, isn't familiar
16 with the onset of symptoms, isn't that a fact,
17 sir?

18 A. Yes.

19 Q. And in fact if we go to the third page of
20 this document, which is Joint Exhibit 1, page
21 32, we can see that this report wasn't dictated
22 until the following day. Correct?

23 A. Correct.

24 Q. So again this information wasn't available
25 to Dr. Jensen and Dr. Salib at the time of the

1 care in dispute, correct?

2 A. Yes.

3 Q. I'm going to show you what's marked as
4 Joint Exhibit 1, pages 6 through 8. And this
5 is the, this is the emergency medicine
6 department dictated report of the visit with
7 [REDACTED] correct?

8 A. Yes.

9 Q. And so there's no confusion, this was
10 prepared at 1:41 in the afternoon on the day
11 of [REDACTED] presentation, correct?

12 A. Yes.

13 Q. And it was signed by both Dr. Salib and
14 Dr. Jensen, correct?

15 A. Yes.

16 Q. And it actually was transcribed by about
17 2:30 that afternoon, correct?

18 A. Yes.

19 Q. So she's in at 9:14. By 2:30 in the
20 afternoon this report has been dictated and
21 transcribed, at least according to its face,
22 correct?

23 A. Yes.

24 Q. I'm going to turn to page 6 of Joint
25 Exhibit 1 if I may under history of present

1 illness. Now, did you read this document before
2 you drafted your reports for Mr. Rothschild?

3 A. Certainly.

4 Q. Would you agree with me, sir, that nowhere
5 in either of your reports to Mr. Rothschild do
6 you make reference to this history of left-sided
7 weakness starting at 7:00?

8 A. That's correct, because I believe it was --

9 Q. You chose to ignore the history documented
10 by the emergency physicians in this case?

11 A. I don't think as I said earlier that that
12 was the time from the substance of everything
13 that I reviewed.

14 Q. You don't think it was? You're making an
15 assumption that the information the patient gave
16 the emergency department physician was wrong?

17 A. It's nowhere noted in any of the documents,
18 that are done in realtime, anything, there's no
19 note this was brought out earlier from a nurse,
20 from the doctor, from anything that was done in
21 the chart, and from my review of all of the
22 other material my conclusion is that it was
23 really sometime 8:00 or after, and I also said
24 hypothetically if you accept 7:00 the patient
25 was still a candidate for thrombolytic therapy.

1 And I also referred to page 103 of Dr. Jensen's
2 note where he said regardless of time or three
3 hours of anything he was not going to give TPA.

4 Q. Well, we'll get to that, because he was
5 asked a hypothetical question, wasn't he, sir?

6 A. I think he was asked about this patient,
7 would he have given it, and he said no.

8 Q. So in order to write your report to
9 Mr. Rothschild criticizing these doctors, you
10 ignored this fact. You disregarded it. You
11 assumed it wasn't correct, even though it's in
12 the chart, it was prepared on that day.

13 A. It's the only place it's in the chart and
14 a note that was dictated after the fact, and
15 I thought it was incorrect. That was my
16 conclusion, my medical opinion from the weight
17 of everything else that I reviewed.

18 Q. Sir, we talked before about your
19 involvement with stroke treatment and, you
20 know, the fact you haven't published scientific
21 articles or spoken and so forth. But you
22 certainly have testified as an expert before,
23 haven't you, in these kinds of cases?

24 A. I certainly have testified as an expert
25 for the plaintiff and for defense, yes.

1 Q. How many times have you testified in cases
2 like this, sir?

3 A. I couldn't tell you sitting here.

4 Q. Well, if I did a search Dr. Mehlman, that
5 I was able to identify 139 times that you've
6 written reports against health care providers,
7 would you have any reason to dispute that?

8 A. In thirteen years, fourteen years it's
9 possible, because if you just plain ask me I'd
10 say I get asked to review cases about ten to
11 fifteen times a year, or once a month, and so I
12 guess that sounds like it would be possible over
13 fifteen years, yes.

14 Q. And if I were to represent to you that of
15 those 140 times that I'm aware of that you have
16 written reports criticizing health care
17 providers, that about half, or seventy of them,
18 are for Philadelphia law firms?

19 A. I don't have any idea about that.

20 Q. How many times have you reviewed cases for
21 Mr. Rothschild or his Philadelphia law firm?

22 A. I don't know, but I'd say maybe three or
23 four possibly, maybe five at most, but I'd say
24 three or four in fifteen years.

25 Q. Is it your practice in writing reports for

1 lawyers who sue health care providers to ignore
2 facts you don't like?

3 A. That's a preposterous statement, Your
4 Honor.

5 Q. Well, if you were treating [REDACTED] and
6 she said to you, "You know what, my symptoms, I
7 started getting weakness at 7:00," would you,
8 being the approving physician, say it doesn't
9 matter what you're saying, someone else is
10 saying 8:00, so that's what I'm going by and
11 I'm going to give you this dangerous drug?

12 A. There's nothing in the chart that says
13 written 7:00. That note was written and
14 dictated after the fact. There was a major
15 discuss, because the patient's family were upset
16 that their mother was denied the opportunity of
17 recovery. I wonder about why 7:00 was written,
18 because it wasn't written anywhere else, and the
19 ambulance times were 8:00. There's a lot in the
20 depositions about the family, who were educated
21 and -- let me finish -- who were educated and
22 had some issues with the fact that their mother
23 was deprived of therapy that she was a candidate
24 for, so I wonder about why 7:00 was written
25 because all the times I can find would lead me

1 to believe this was 8:00, and even at 7:00 she
2 would have been a candidate to get TPA if things
3 were done as York Hospital intended them to be
4 to move heaven and earth to treat patients,
5 which is what we do in emergency medicine, and
6 Dr. Jensen in his deposition, you may want to
7 call it hypothetical, said he wasn't going to
8 give it, no how, no way. Now, I don't know why
9 he, anyone has the right to deprive somebody of
10 the opportunity of a recovery, because it's not
11 the standard.

12 Q. So you concluded that Dr. Salib and
13 Dr. Jensen lied, that they made this up and
14 put it in the records because the family was
15 upset?

16 A. You said it. I didn't.

17 Q. Sir, there's been testimony in this
18 courtroom that that meeting did not even occur
19 until after this report was dictated and
20 transcribed. Are you aware of that?

21 A. Dr. Salib --

22 Q. Are you aware of that, sir?

23 A. I'm not aware of that.

24 Q. Okay.

25 A. Dr. Salib --

1 Q. So you made an assumption --

2 THE COURT: Please allow him to finish his
3 answer, Mr. Stump.

4 A. Dr. Salib was a junior resident, there's
5 no evidence that the senior attending was
6 immediately at the bedside when this patient
7 came in. So I don't know about 7:00.
8 Dr. Jensen saw the patient after, and the
9 preponderance of evidence leads me to believe
10 that Dr. Salib had the wrong time. That's my
11 conclusion. I didn't say any more or less, and
12 even if the time is hypothetically accepted as
13 7:00, there was a window to offer treatment in
14 this patient which I believe should not have
15 been denied.

16 Q. So if Mrs. Panameno testified that this
17 meeting with Dr. Jensen and Salib did not occur
18 until some 4:00 or later in the afternoon, after
19 this note was dictated, then this concept that
20 this was questionable because the family was
21 upset is an incorrect assumption on your part,
22 isn't it?

23 A. You're raising it. I'm not raising any
24 assumptions. I'm just saying I believe the
25 time was 8:00. You raised the assumption, sir.

1 Q. You said that symptoms can wax and wane and
2 consciousness can come in and out, correct?

3 A. That's possible, yes.

4 Q. Okay. So it's entirely possible then,
5 isn't it, that Mrs. Amaya's time was confused
6 and at other times wasn't confused?

7 A. Possibly, yes.

8 (Brief pause.)

9 Q. Doctor, you also said I believe that there
10 was no evidence or any concern about brain
11 bleeding that you could find in the chart.
12 Do you recall that?

13 A. I'm not sure I recall that. What I said
14 was, I mean the questioning was raised about
15 headache and there was some discussion, and what
16 I said was that the CAT scan was normal, and CAT
17 scans are very good typically at picking up
18 bleeding, and if there were, really if there was
19 really concern then it's mandatory to do a
20 lumbar puncture, a spinal tap. That's the
21 standard of care.

22 Q. Fine. Dr. Mehlman, you're aware that she
23 was admitted to the ICU --

24 A. Yes.

25 Q. -- later that day?

1 A. Yes.

2 Q. And she was treated by a neurologist?

3 A. Yes.

4 Q. Who's a brain specialist?

5 A. Yes.

6 Q. Are you aware that that neurologist
7 withheld giving the patient anticoagulation
8 because he was concerned about brain bleeding?

9 A. Well, that's the whole issue --

10 Q. Are you aware of that?

11 A. That's the whole issue about Heparin about
12 whether to give it or not --

13 THE COURT: Did you answer his question were
14 you aware?

15 A. Yes.

16 THE COURT: Then you may explain.

17 A. Sorry, yes. Yes.

18 Q. So even hours later in the face of this
19 negative CT when the brain doctor specialist
20 started treating her, he said we're not even
21 going to give her Heparin now because we're
22 still concerned she has brain bleeding?

23 A. I think the message is which I referred to
24 earlier is that Heparin is unproven to have any
25 benefit, and it does also cause bleeding, so

1 that there's no -- any efficacy in reversing a
2 stroke and it does cause bleeding. So in
3 general in most pictures if there's no
4 stuttering, waxing and waning, there's no logic
5 to giving Heparin because studies haven't
6 demonstrated that it does any good, and there is
7 a potential for bleeding. So neurologists in
8 2002 and now don't give Heparin typically.
9 It's not going to make somebody better like TPA
10 might, and it will cause bleeding as much.

11 Q. Let me show you Joint Exhibit 1, page 32.
12 Again this is the physical history form dictated
13 the following morning by Dr. Bedreshia. Under
14 point number 1, the last sentence, it says,
15 "Given patient symptoms of headache, a repeat CT
16 may be necessary. At this point Heparin will
17 not be started secondary to possible
18 intercranial bleed." Correct?

19 A. Yes.

20 Q. So the neurologist taking care of her at
21 the time was concerned, despite the fact that
22 the CT was negative, of intercranial bleed,
23 correct?

24 A. Yes. But that doesn't say having happened
25 in the past or potentially happening in the

1 future, which is the point why we don't give
2 Heparin typically.

3 Q. And this neurologist actually had the
4 opportunity to speak with and examine or
5 try to speak with and examine [REDACTED]?

6 A. He was eventually brought, that's correct,
7 but he was eventually I think saw the patient
8 at 5:00 that afternoon, not in the early time
9 when I believe he should have been engaged.

10 Q. And he didn't start Heparin until two days
11 later until he was satisfied that there really
12 was no brain bleeding, correct?

13 A. He didn't start it because in my opinion he
14 was worried about bleeding, which did happen
15 when the Heparin was started.

16 MR. STUMP: Thank you, Dr. Mehlman.

17 THE WITNESS: Thank you.

18 THE COURT: Mr. Rothschild, redirect?

19 REDIRECT BY MR ROTHSCHILD:

20 Q. Yes I do have some redirect. Dr. Mehlman,
21 did any of the questions and your answers on
22 your cross examination cause you to change any
23 of the opinions that you offered in your direct
24 testimony in any way?

25 A. Today?

1 Q. Yes.

2 A. No.

3 Q. Doctor, when getting a history from
4 a stroke patient, do you often have to rely
5 on others beside the stroke patient for that
6 history?

7 A. Yes. I think I mentioned the family at
8 home seeing somebody fall in the kitchen or
9 people around, it's very often you're using
10 every resource to try to create time zero
11 because of the criticality of it, yes.

12 Q. And what about with stroke patients who
13 have slurred speech and are confused?

14 A. Certainly.

15 Q. What about if a patient is difficult to
16 elicit a history from?

17 A. Yes.

18 Q. Now, doctor, the fact that a hospital is
19 not a stroke center, does that mean it's not
20 able to administer TPA?

21 A. No.

22 Q. So for example when NYACK hospital where
23 you work was not yet certified as a stroke
24 center, were you able to administer TPA there?

25 A. Yes, we gave TPA the year before we were

1 a stroke center I believe eight times.

2 Q. Now, you talked about history being
3 important in a stroke, time of onset. Is
4 that important in getting that information
5 in stroke?

6 A. Yes.

7 Q. And is recording it contemporaneously
8 important?

9 A. It's mandatory.

10 Q. By the way, did you disregard the note
11 dictated by Dr. Salib later that afternoon
12 on October 26th?

13 A. No.

14 Q. Did you factor it into all of the
15 information that you had?

16 A. Yes, certainly.

17 Q. And did you -- doctor, I'm going to refer
18 you to a point, Exhibit Number 8, which is and
19 as agreed to by the parties it was a handwritten
20 document prepared by one of the EMS personnel,
21 Mr. Ross, on the 26th, but at the top did you
22 have the opportunity to see this as well?

23 A. Yes, I remember that.

24 Q. And does that have handwritten information
25 as to the time they were dispatched?

1 A. Yes, it says dispatched at 8:14.

2 Q. Thank you. Doctor, you were just asked
3 some questions on cross examination about the
4 neurologist and not giving Heparin. Did you
5 see from the records when the neurologist first
6 came in?

7 A. I think around 5:00, 5:30 that afternoon.

8 Q. So this was well beyond the three- hour
9 period of concern for giving TPA?

10 A. Yes.

11 Q. And when the neurologist came in the
12 question of TPA was not an issue, isn't that
13 correct?

14 A. Absolutely not, correct.

15 Q. Are there the same concerns or different
16 concerns with TPA and Heparin?

17 A. Well, they're different concerns. Heparin
18 has not proven to be efficacious in reversing,
19 and it does have probably a relatively
20 comparable bleeding risk. So there's not a
21 lot of logic most of the time to give Heparin.
22 It's a potential harm and no potential benefit.

23 Q. And this issue of bleeding that they
24 referred to, what does that deal with?

25 A. Well, it deals with --

1 Q. With the Heparin.

2 A. -- future bleeding risks, which happened
3 in Mrs. Amaya later.

4 Q. Is that the same as the bleeding risk from
5 the, when you give the TPA?

6 A. No, it's a different thing. It's the risk
7 of bleeding in a completed stroke, that tissue
8 is very, very fragile and friable as I described
9 when you have a stroke. That's non-vital
10 tissue. I don't like to use the word dead, but
11 it's dead tissue and it's more likely to bleed
12 after. That's why the time is more important,
13 Heparin will cause it to bleed, too.

14 Q. And you were, we just had up on the screen
15 Mr. Stump put up the note dictated by Dr. Salib
16 in the -- I'm sorry, by Dr. Bedreshia in the
17 joint exhibit, and I'm referring to the last of
18 the three pages in that note, and at point
19 number 1, part of which was read, referred to
20 by Mr. Stump, is there an indication there
21 about TPA at point number 1?

22 A. Well, in the second line that the patient
23 is out of the three-hour window and TPA is no
24 longer indicated. Is that what you're referring
25 to?

1 Q. Yes.

2 A. Yes.

3 Q. And that was noted in there?

4 A. Yes.

5 Q. So, doctor, in this case from all of your
6 review, were you then able to determine to you
7 the clear onset of the stroke symptoms?

8 A. Yes. I'm very convinced and impressed that
9 the time was sometime around 8:00 shortly before
10 the EMS were alerted when the bus pulled off,
11 and so I believe it's around a little, 8:00 or a
12 little after.

13 Q. And what were those clear onset symptoms?

14 A. She stopped singing, Mrs. Amaya was
15 singing, she stopped singing. She slumped
16 over on her brother and was clearly a very
17 different person. They were sitting as I recall
18 in the front of the bus. The bus driver was
19 alerted, he pulled off the road, they
20 immediately called 911 and that puts me firmly
21 in the 8:00 to 8:05 time frame.

22 Q. Now, doctor, there were some questions on
23 cross examination as to standard of care. Is
24 it fair to say some hospitals aren't equipped
25 to treat certain problems or conditions?

1 A. Certainly.

2 Q. So if for example a hospital were not a
3 burn center, would it be able to treat a third
4 degree burn victim?

5 A. Stabilize, hydrate, give antibiotics, and
6 transfer to a burn center. We do that at my
7 hospital to Westchester, across the river, or
8 Columbia.

9 Q. And are all hospitals equipped to
10 administer TPA?

11 A. A lot of hospitals are now, and certainly
12 tertiary care centers like York are more than
13 equipped, and as exemplified by their policies
14 they, their intent is that they do it in the
15 appropriate patients.

16 Q. And it's fair to say in those situations
17 they have certain protocol they have to meet?

18 A. They had the whole bunch of protocols.

19 Q. Conversely if a hospital weren't equipped
20 to, there are some hospitals that aren't
21 equipped to administer TPA, is that correct?

22 A. Right.

23 Q. Those hospitals shouldn't administer it?

24 A. Right, but they usually are linked to
25 bigger medical centers where they transfer

1 patients.

2 Q. And we have seen the York protocols.

3 I want us to look at the contraindications to
4 see if there were any there that, and going
5 through it, that she would have acquired if she
6 was a no for everything, and this is Joint
7 Exhibit Number 7. You've already been through
8 all the elements up top. I'm looking at the
9 next portion, the contraindications.

10 A. Right.

11 Q. And as we look at that, some fourteen
12 things, is there anything that she would have
13 been a yes?

14 A. No, she had no contraindications.

15 Q. Okay. Mr. Stump asked you about SAEM,
16 their position. Isn't it fair to say that the,
17 it says the decisions on thrombolytic therapy
18 are individualized based on clinical and
19 operational circumstances?

20 A. Yes.

21 Q. By operational, that means we've got to
22 look at the hospital, isn't that fair to say?

23 A. Correct.

24 Q. And likewise he referred you to and you
25 brought up the American College of Emergency

1 Physicians, the board, that college that
2 certified you as well, correct?

3 A. Uh-huh, yes.

4 Q. And what is it that they say about TPA?

5 A. Well, I think in their last bullet they say
6 there's insufficient evidence at this time to
7 endorse use of TPA in clinical practice when
8 systems are in place to ensure that inclusion
9 exclusion criteria established by the NINDS, the
10 National Institute of Neurologic Disease,
11 guidelines for TPA used in acute stroke are
12 followed. Therefore, the decisions for an
13 emergency department, an ED, to use intravenous
14 TPA for acute stroke should begin at the
15 institutional level with commitments from
16 hospital administration, the ED, neurology,
17 neurosurgery, radiology, and laboratory services
18 to ensure that the systems necessary for the
19 safe use of fibrinolytic agents are in place.

20 They're saying that every, what we have
21 said that every place, every little emergency
22 department shouldn't be using it, but that
23 hospitals, tertiary care hospitals like York
24 should put things in place, which they did,
25 protocols, and that means training and training

1 nurses and doctors and having leaders,
2 neurologists, who should have been involved
3 at 9:00 in the morning, not at 5:00, means that
4 a committed plan should be in place when this
5 drug is used, just like when you go, the
6 metaphor, to a cancer specialist, it should be
7 with a committed plan in place, which is what
8 happened, and which is what happens in TPA use,
9 and in those circumstances it's a good, safe as
10 used, effective medication that can make a
11 family member or oneself not paralyzed and able
12 to take care of themselves or certainly better
13 than what happened with [REDACTED]

14 MR ROTHSCCHILD: Thank you, doctor. I have
15 no further questions on redirect, doctor.

16 THE COURT: Thank you. Mr. Stump, any
17 recross?

18 RE CROSS BY MR. STUMP:

19 Q. Briefly, Your Honor. The fact that
20 [REDACTED] slumped over on a bus at 8:00 is
21 not, does not rule out the possibility that
22 she had developed left-sided weakness earlier,
23 does it?

24 A. I don't know how to answer that. I
25 associate her slumping over and stopping

1 singing as being an acute stroke, but I mean --

2 Q. You told us before there can be stuttering
3 starts, so a patient can develop --

4 A. Yeah, I don't interpret it that way.

5 THE COURT: If you could let him finish his
6 question?

7 A. Yes, I'm sorry, Your Honor.

8 Q. So a patient can develop certain symptoms,
9 and then later additional, even more acute
10 symptoms. That's a fact, isn't it?

11 A. I don't know if it's a fact. It's
12 certainly possible. Going from singing to
13 stopping sing and slumping over to me is not
14 stuttering. It's an event that's just occurred,
15 it's a stroke, but I mean, maybe what you're
16 saying is remotely possible.

17 Q. Remotely? Okay. Well, we talked about
18 embolic stroke, correct?

19 A. Yes.

20 Q. And that's when pieces of clot flick off
21 perhaps from the heart and go to a brain?

22 A. Yes.

23 Q. It can be a big piece, it can be a little
24 piece, can't it?

25 A. Yes.

1 Q. There can be multiple emboli, correct?

2 A. Yes.

3 Q. So a little piece can break off, can go to
4 the brain, it can cause some headaches for
5 example, correct?

6 A. I don't know about causing a headache, but
7 it could certainly cause some symptoms, yes.

8 Q. Yeah, and then another piece hours later or
9 a day later, another piece could flick off, that
10 could go to the brain, and it can cause
11 additional symptoms, correct?

12 A. Correct. It's hypothetically possible.

13 Q. All right, and then maybe a big piece
14 breaks off and it goes in and causes an acute
15 event like slumping over, correct?

16 A. That's correct.

17 Q. So, doctor, it's entirely possible that
18 the constellation of symptoms which [REDACTED] a
19 reported over the days were related to a stroke
20 which was evolving or stuttering or waxing and
21 waning, just as you have talked about today,
22 isn't it?

23 A. I can't accept that, no, I don't think --

24 Q. Not possible?

25 A. I don't think what you're presenting is

1 remotely possible, no.

2 Q. But you don't even know what type of stroke
3 she had, do you?

4 A. She had an ischemic stroke.

5 Q. But whether it was embolic or thrombotic
6 you don't know?

7 A. You have to do a brain biopsy or an autopsy
8 to know that.

9 Q. That's right. You have to do an autopsy to
10 know, wouldn't you?

11 A. The likelihood is that she had an embolic
12 stroke because she was in atrial fibrillation.
13 So that would be the likely thing, but nobody is
14 going to do what you're asking to be done to
15 show that.

16 Q. I wasn't asking that it be done. My point
17 is you're saying you know what it was, and I'm
18 pointing out you don't even know what type of
19 stroke it was, and you can't know because no
20 autopsy was done. You're speculating, aren't
21 you, sir?

22 A. I don't think I'd call it speculating.
23 I think I have 35 years of experience at
24 practice, I think I'm talking from my knowledge,
25 I don't think I'm speculating.

1 MR. STUMP: Well, I apologize. Those are
2 all the questions I have. Thank you.

3 THE COURT: Anything further,
4 Mr. Rothschild?

5 MR ROTHSCCHILD: No, Your Honor.

6 THE COURT: I actually have one question,
7 Dr. Mehlman. The CT scan that was conducted, is
8 the CT scan in circumstances like this only done
9 of the head area? Is that the only area that
10 you're looking for bleeding?

11 THE COURT: Yes.

12 THE COURT: All right. Thank you, I don't
13 have any other questions. You may step down.

14 THE WITNESS: Thank you, Your Honor.

15 (Testimony concluded at 2:10 p.m.)
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25 **Maria Amaya vs. York Hospital**

1 1:04 - CV - 01081

2 Testimony of Dr. Ira Mehlman

3 4 January 2006

4
5
6
7 I hereby certify that the proceedings
8 and evidence are contained fully and accurately
9 in the notes taken by me on the trial of the
10 above cause, and that this copy is a correct
11 transcript of the same.

12
13
14
15 s/ Wesley J. Armstrong

16 _____
17 Wesley J. Armstrong

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