

IN THE COURT OF COMMON PLEAS
CUYAHOGA COUNTY, OHIO

BARBARA D. GRASGREEN
etc., et al.,

Doc 441

Plaintiffs,

-vs-

JUDGE GRIFFIN
CASE NO. 263268

MERIDIA HILLCREST
HOSPITAL, et al.,

Defendants,
- - - -

Deposition of ARTHUR E. VAN DYKE, M.D.,
taken as if upon direct examination before
Colleen M. Malone, a Notary Public within and
for the State of Ohio, at the offices of Arthur
E. Van Dyke, M.D., 25701 N. Lakeshore Boulevard,
Euclid, Ohio, at 1:00 P.M. on Wednesday, April
27, 1994, pursuant to notice and/or stipulations
of counsel, on behalf of the Plaintiff in this
cause.

MEHLER & HAGESTROM
Court Reporters
1750 Midland Building
Cleveland, Ohio 44115
216.621.4984
FAX 621.0050
800.822.0650

1 APPEARANCES:

2 Dale P. Zucker, Esq.
3 Zucker & Trivelli
4 600 Standard Building
 Cleveland, Ohio 44114
 (216) 621-3225,

5 On behalf of the Plaintiff;

6 Patrick H. Gaughn, Esq.
7 Hahn, Loeser & Parks
8 3300 BP America Building
 200 Public Square
 Cleveland, Ohio 44114
 (216) 621-0150,

9 On behalf of the Defendant
10 Meridia Hillcrest Hospital;

11 John R. Scott, Esq.
12 Reminger & Reminger
13 7th Floor 113 St. Clair Building
 Cleveland, Ohio 44114
 (216) 687-1311,

14 On behalf of the Defendant
15 Physician Staffing, Inc.;

16 John V. Jackson, II, Esq.,
17 Jacobson, Maynard, Tuschman & Kalur
18 1001 Lakeside Avenue
 Suite 1600
 Cleveland, Ohio 44114-1192
 (216) 736-8600,

19 On behalf of the witness.
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1 ARTHUR E. VAN DYKE, M.D., of lawful age,
2 called by the Plaintiff for the purpose of
3 direct examination, as provided by the Rules of
4 Civil Procedure, being by me first duly sworn,
5 as hereinafter certified, deposed and said as
6 follows:

7 DIRECT EXAMINATION OF ARTHUR E. VAN DYKE, M.D.

8 BY MR. ZUCKER:

9 Q. Dr. Van Dyke, my name is Dale Zucker. I
10 represent the Grasgreen family in this matter.
11 I'm certain you have had an opportunity to meet
12 with Mr. Jackson and he has prepared you for the
13 format of the deposition.

14 As you know, I'll be asking you a number of
15 questions. If for any reason you don't
16 understand a question, you will be certain to
17 make sure that I clarify the question for you
18 before answering it so you understand the
19 question, okay? And you will have to answer so
20 the court reporter can take down your response.
21 If you answer the question, I will assume that
22 you understood it and that you are answering it
23 truthfully.

24 A. That's fine,

25 Q. Doctor, you are aware that the primary subject

1 matter of this lawsuit concerns the prescribing
2 and administration of TPA to Arthur Grasgreen at
3 Meridia Hillcrest Hospital on May 21, 1993, is
4 that a fair statement?

5 A. No, I wasn't aware of that till this moment when
6 you told me.

7 Q. You are aware of that?

8 A. Now I am. I am now,

9 Q. Consequently, doctor, I'd like to ask you a few
10 questions, in general, regarding heart attacks,
11 TPA, what it is and how it works. Okay?

12 A. That's fine.

13 Q. Then I'll get into some specific questions about
14 Mr. Grasgreen and this case.

15 Now, TPA is one of several drugs which are
16 known as thrombolytic agents, is that correct?

17 A. Correct.

18 Q. Also called clot busters?

19 A. By some.

20 Q. And the purpose of TPA is to stop a heart attack
21 in progress and, thereby, limit the amount of
22 damage to the heart muscle, is that correct?

23 A. And sometimes actually prevent the heart attack,
24 if it's administered early enough.

25 Q. When a person suffers a heart attack, a blood

1 clot or a thrombus forms in the coronary artery,
2 isn't that correct?

3 A. That is the most common cause.

4 Q. The coronary artery is a blood vessel that
5 carries oxygen and other nutrients to the heart
6 muscle, the myocardial, is that correct?

7 A, That's correct.

8 Q. And if the heart's blood supply is inadequate
9 for any period of time, a condition exists which
10 is known as ischemia, is that correct?

11 A. That's correct.

12 Q. And ischemia is a condition where the heart
13 receives insufficient blood to do its work,
14 correct?

15 A. That's also correct.

16 Q. And if the condition persists for a great deal
17 of time, then the result is death of heart
18 muscle called infarction, correct?

19 A. Partly correct.

20 Q. What part isn't correct?

21 A. Well, sometimes you can end up with having the
22 ischemia be long lasting but without permanent
23 death to a area of the heart, without a heart
24 attack, so you could have chronic ischemia
25 without the infarct.

1 Q. I understand. Now, the amount of heart muscle
2 which is damaged during a heart attack is an
3 important determinant of whether a patient lives
4 or dies and what their quality of life will be
5 if they survive, is that correct?

6 A. Yes.

7 Q. Doctor, in present day cardiology the goal of
8 the cardiologist presenting a patient with a
9 suspected heart attack is to first focus on the
10 immediate cause of the heart attack, that is the
11 blockage of the coronary artery by a blood clot,
12 isn't that correct?

13 MR. JACKSON: Would you read that
14 back again, please?

15 MR. ZUCKER: Me or her?

16 MR. JACKSON: Either.

17 - - - -

18 (Thereupon, the requested portion of
19 the record was read by the Notary.)

20 - - - -

21 MR. JACKSON: Are you asking the
22 doctor being presented with a patient who
23 he believes is experiencing a heart attack
24 or who's had a heart attack in the past?

25 MR. ZUCKER: Who may be

1 experiencing a heart attack.

2 A. I would not phrase it in --

3 Q. Excuse me, doctor, do you understand the
4 question?

5 A. It has some implications that I don't understand
6 and I think are open to interpretation. I'd
7 rather you rephrase it and then you can ask me
8 if I haven't thoroughly answered your question.

9 Q. Fair enough.

10 A. My goal when presented with a patient who is
11 having a heart attack is to treat the patient
12 appropriately in a manner that will give him the
13 maximal chance of longevity, how long he lives,
14 and the maximum chances of improving his quality
15 of life.

16 That may interpret, may be interpreted in
17 many ways and there are many ways I frame my
18 actions to achieve those ultimate goals. Some
19 of what you put in your question is certainly a
20 part and parcel of what I need to do.

21 Q. Okay. You will agree that reperfusion, that is
22 the restoration of blood to the heart muscle, is
23 a major goal when you are treating a patient
24 with a suspected myocardial infarction, correct?

25 A. Yes.

1 Q. And the purpose of reperfusion is to reduce the
2 damage and improve the prognosis as you stated?

3 A. Reduce or prevent.

4 Q. We all have natural TPA circulating in our
5 bloodstream, isn't that correct?

6 A, We have agents that work in the same way to
7 dissolve clots, yes.

8 Q. Is that plasminogen, is that what you are
9 referring to?

10 A. The TPA that is given, that we administer I
11 believe is made by genetic engineering
12 techniques and, as such, is not produced in our
13 bodies and is not the exact identical substance
14 in the sense that it's not made inside a human
15 being, one human being and then administered to
16 another.

17 But in terms of effect, the effect of our
18 native clot dissolving agents and the TPA, they
19 bear a lot of direct similarities.

20 Q. Okay. Doctor, when a patient develops symptoms
21 that might indicate a heart attack, a doctor has
22 to decide whether the patient might benefit from
23 thrombolytic therapy?

24 A. Correct.

25 Q. And that decision has to be made rather quickly,

1 isn't that correct?

2 A. Absolutely correct.

3 Q. And the reason that the decision has to be made
4 quickly is because thrombolytics are used to
5 stop the heart attack in progress and limit the
6 damage to the heart muscle before the heart
7 attack fully evolves and destroys a great deal
8 of heart muscle, correct?

9 A. That is one reason and probably the major
10 reason.

11 Q. Okay. What other reasons are there?

12 A. There is evidence that is now being researched,
13 and in our cardiac literature, talking about the
14 fact that even after you have completed, the
15 amount of permanent damage to the heart, in
16 other words, the size of the ultimate heart
17 attack, that if you restore reperfusion to that
18 area, you can improve healing; and if you
19 improve the healing process, you are not
20 limiting the size of the infarct, but you can
21 prevent sequelae that can impact on the
22 patient's longevity, how long they live, or
23 their quality of life, as well.

24 Q. Doctor, you mentioned before that thrombolytics
25 can also be used to prevent a heart attack from

1 occurring in the first instance, is that
2 correct?

3 A. Yes.

4 Q. And how does that work?

5 A. It works the same way, it's just a matter of the
6 time involved. The earlier you get it there,
7 the earlier it actually works. The earlier you
8 restore adequate blood flow, the less the
9 damage. There obviously reaches a point if you
10 get it in early enough and it works early
11 enough, that you can actually prevent the
12 damage. In general, it requires at least a half
13 hour or so of limitation of blood flow before
14 you start having permanent damage to the heart.

15 Q. Well, how would you know to give a patient a
16 thrombolytic agent prior to their having any
17 symptomatology of a myocardial infarction?

18 A. You wouldn't, unless you were monitoring them
19 continuously by an EKG or something like that.

20 But what I'm saying is if they come in --
21 let's say you right now, here in my office,
22 started having chest pain and I got an EKG on
23 you and it looked like you were starting to have
24 a heart attack, then I could make the
25 determination, after appropriate review of your

1 history, that you needed that.

2 If I got the medicine in within 10 minutes
3 or 15 minutes of the onset of your pain, I have
4 a very high likelihood of keeping you completely
5 from having any permanent damage to your heart
6 even though without the medicine you would have
7 had permanent damage.

8 MR. JACKSON: Off the record.

9 - - - -

10 (Thereupon, a discussion was had off
11 the record.)

12 - - -

13 MR. ZUCKER: Back on the record.

14 Q. So, doctor, if I were sitting here in your
15 office right now and I had chest pains, you
16 would -- what would you do before you
17 administered a thrombolytic agent to me?

18 A. Well, the first thing I would do, I would take
19 you into my examination room and I would examine
20 you. And while I was doing that I would be
21 hooking you up for an EKG or having my
22 technician hooking you up for a cardiogram and I
23 would be taking a history from you.

24 Q. Thrombolytics cannot restore or bring back to
25 life heart muscle which has already died, isn't

1 that correct?

2 A. Correct.

3 Q. Okay. Now, as with most medication,
4 thrombolytics are associated with some risks,
5 are they not, doctor?

6 A. Correct.

7 Q. So each time a doctor has to make a decision
8 whether or not to prescribe TPA to a patient who
9 may be having a heart attack, he must weigh the
10 potential benefit against the potential risk, is
11 that correct?

12 A. Yes.

13 Q. You wouldn't want to prescribe TPA to someone
14 who there were no strong indications for TPA or
15 where their benefit would or where the risk --
16 strike that.

17 You wouldn't want to prescribe TPA to a
18 patient where there are no strong indications
19 for TPA or where, or under circumstances where
20 the risks may equal or even exceed the potential
21 benefit, correct?

22 MR. JACKSON: Wait a second. You
23 said two things and you kind of put them
24 together there. Are you suggesting
25 prescribing without indication for

1 prescription? I just --

2 MR. ZUCKER: I can ask those two
3 questions separately. Thank you.

4 Q. You don't want to prescribe TPA for a patient
5 where there are not very strong indications for
6 the TPA, correct?

7 A. Incorrect. Not correct.

8 Q. My statement was not correct?

9 A. I do not agree with your statement.

10 Q. Okay. And what about my statement do you
11 disagree with?

12 A. The implication of the word strong.

13 Q. Okay. We will get into that.

14 A. I'll rephrase it. I would wish adequate
15 indications. Adding a word like strong, which
16 is qualitative and has some certain
17 connotations, I'm just not willing to include
18 that in my answer.

19 Q. Fair enough.

20 A. I would wish an adequate indication for the
21 drug.

22 Q. Fair enough. And you wouldn't want to prescribe
23 TPA for a patient under the circumstances where
24 the risks may equal or even exceed the potential
25 benefit, correct?

1 A. I would not want to do it where the risks
2 exceeded the potential benefit. I can envision
3 a hypothetical scenario where if the risks were
4 equal but were of a type that were more
5 acceptable to the patient than the alternative
6 where I might consider giving it.

7 Q. Okay. Speaking of the medical literature,
8 doctor, the contraindications for TPA have
9 evolved quite substantially and quite rapidly
10 over the last decade, would you agree with that?

11 A. Yes.

12 Q. Whereas, there are still absolute
13 contraindications to TPA, a lot of what were
14 absolute contraindications have now become
15 either noncontraindications or relative
16 contraindications, isn't that correct?

17 A. Correct.

18 Q. And this means that in each individual case,
19 each individual patient, a doctor has to do a
20 thorough analysis, a thorough risk benefit ratio
21 analysis before administering the drug, correct?

22 A. Again, I would rephrase that to say an adequate
23 risk benefit analysis and then say yes, I agree
24 with that statement.

25 Q. In retrospect, doctor, do you think Arthur

1 Grasgreen was a candidate for TPA when you
2 prescribed TPA for him?

3 A. In retrospect, if I had had all of the
4 information then which I now have available to
5 me, I would not have prescribed TPA for this
6 gentleman because I do not feel that he met the
7 criteria that I then used to make such a
8 judgment, and continue to use, by the way.

9 Q. So I think the answer to my question is no,
10 correct?

11 A. You would -- could you rephrase it?

12 Q. Rephrase it?

13 A. Or restate it.

14 Q. At the time you prescribed TPA for Arthur
15 Grasgreen, was he a candidate for the drug?

16 A. Again, you are asking me --

17 Q. I said in retrospect. I didn't say that when I
18 repeated the question. In retrospect, looking
19 back on it from now, was he, at the time you
20 prescribed the drug, a candidate for the drug?

21 A. I am going to add to that in two ways. Okay. I
22 am going to repeat what I think I've already
23 said, which is that I would not have given TPA
24 to this man.

25 I interpret was he a candidate, quote,

1 unquote, as you say it, as open to would any
2 cardiologist anywhere consider him a candidate,
3 should he have been considered for, and in that
4 sense, yes, he should have been under
5 consideration for the administration of the
6 drug.

7 There may well be and probably are
8 cardiologists that would have given it even
9 knowing what I now know. But would I personally
10 have given it? No, I would not.

11 Q. Do you think it was in accordance with good and
12 accepted medicine to have given Arthur Grasgreen
13 TPA in May of 1993?

14 MR. JACKSON: Given what, given the
15 information that this doctor had at the
16 time or given retrospective information? I
17 mean I'm asking --

18 MR. ZUCKER: In retrospect.

19 Q. In retrospect, we will start out with in
20 retrospect do you think it was in accordance
21 with good and accepted medical practice to have
22 prescribed TPA for Arthur Grasgreen in May of
23 1993?

24 MR. JACKSON: Given what he knew at
25 the time? You can't -- Dale, I'm not

1 trying to be difficult, but you can't take
2 a situation --

3 MR. ZUCKER: John, I appreciate
4 what you are saying and I will get into
5 those questions about what he knew then.
6 But I'm asking him now in retrospect, as he
7 sits here today. I think it's a fair
8 question.

9 Q. As you sit here today, knowing what you have
10 learned over the last year or so, in retrospect
11 do you think it was in accordance with good and
12 accepted medical practice to have prescribed TPA
13 for Arthur Grasgreen?

14 MR. JACKSON: Go ahead, doctor, and
15 answer. I object. I don't think it's a
16 fair question as you are phrasing it, but
17 answer it as best you can.

18 A. I would start out by saying again and repeating
19 I would not have given it if I had had access to
20 all of the information which I have access to
21 now.

22 Talking about everyone else, there are and
23 have been, and concurrent to the time of this
24 man's death, I believe there are still ongoing
25 studies where this medicine was given to people

1 for unstable angina, which he certainly was
2 having, investigating into giving it precisely
3 to people such as him so --

4 Q. Could, doctor --

5 A. -- I have to say that although I personally
6 would not have given it, because my
7 interpretation of the risk benefit ratio would
8 have led me not to give it, there are other
9 cardiologists that would have given it.

10 Q. Is it your testimony that in May of 1993 there
11 are cardiologists in America who were still
12 using TPA to treat unstable angina?

13 A. I am aware of studies being published in '92,
14 '93 talking about TPA for unstable angina.

15 Q. And what were they talking about?

16 A. They were talking about whether it did any good
17 for those people.

18 Q. And, in fact, the answer was no, isn't that
19 correct, doctor?

20 A. My interpretation of the studies that I have
21 read has led me to that conclusion.

22 Q. In fact, it was in 19 -- strike that,

23 Doctor, your May 22nd progress note, which,
24 gentlemen, is marked in the top right-hand
25 corner as Page Number 18 --

1 A. I now have that page in front of me.

2 Q. In one of the notes that you made on May 22nd,
3 doctor, may I ask you, it's the third note down
4 on this visitant's sheet/progress note, and you
5 have put the date 5-22, is that correct? Is
6 that your handwriting?

7 A. All right. You have asked me about three
8 questions. Let me try and answer them, although
9 I won't get the order right. There is a note on
10 Page 18 where the, third note down, dated May
11 22nd at 0820 hours was written by me. That was
12 not one of my notes. That is the only note I
13 gave on this patient, and the prior two notes on
14 this page were not written by me.

15 Q. That's the only progress note you made on this
16 page?

17 A. To the best of my recollection, that is.

18 Q. What does it say under 5-22?

19 A. 0820.

20 Q. Doctor, in this progress note you indicate that
21 you received a telephone call regarding Arthur
22 Grasgreen, is that correct?

23 A. No.

24 MR. JACKSON: I think he is being
25 precise in answering your question. Why

1 don't you ask him to just read it, if you
2 want?

3 MR. ZUCKER: No, I know the
4 progress note by heart.

5 Q. Doctor, how did you get in communication with
6 Nurse Jordan regarding Arthur Grasgreen?

7 A. I was called on my beeper. My beeper was
8 activated and my beeper gives a phone number to
9 call back. I then called that number which
10 happened to be the coronary care unit at
11 Hillcrest Hospital and spoke to the nurse.

12 Q. And do you recall what time you received the
13 beep?

14 A. I do not recall exactly what time, but I
15 remember it was as I was driving home from this
16 office and I can probably pin it down a little
17 bit better for you by looking at some things
18 through the records, but I can't give you an
19 exact time. Early evening.

20 Q. In any event, your testimony is that you were
21 beeped on your beeper, you returned the call and
22 it was a call to the coronary care unit at
23 Meridia Hillcrest Hospital?

24 A. Correct.

25 Q. And do you recall who the nurse was that you

1 spoke with when you first called the coronary
2 care unit?

3 A. It was one of the few male nurses there. His
4 name is Omar.

5 Q. Do you know Omar's last name?

6 A. I do not.

7 Q. Did you know it was Omar Jordan on 5-21 or are
8 you saying in retrospect that it was Omar
9 Jordan?

10 A. I knew it at that time.

11 MR. JACKSON: We are accepting the
12 Jordan. I don't know that the doctor knew
13 his name, last name was Jordan.

14 MR. ZTJCKER: You'll accept that?

15 MR. JACKSON: I will if you say so
16 and these gentlemen don't object to that.
17 He said Omar and you put Omar Jordan in
18 there, and I didn't want it to be unclear.

19 Q. To clean up the record then, doctor, have you
20 thus or have you since learned that Omar's last
21 name is Jordan?

22 A. I have known Omar's name in the past, I just
23 couldn't recollect it and I believe that's
24 accurate.

25 MR. ZUCKER: We shall go off the

1 record.

2 - - - -

3 (Thereupon, a discussion was had off
4 the record.)

5 - - -

6 MR. ZUCKER: Back on the record

7 Q. Now, you told Nurse Jordan to check for
8 contraindications for TPA and if there were
9 none, to administer TPA to Mr. Grasgreen, isn't
10 that correct?

11 A. I gave him multiple instructions. That is a
12 part of the instruction that I gave him.

13 Q. Doctor, your note indicates that -- would you
14 like to read that portion of the note for me?

15 MR. JACKSON: I'm sorry. You want
16 him to read the whole thing for you, is
17 that what you are saying?

18 MR. ZUCKER: No, that portion.

19 Q. But would you mind if I read it, doctor?

20 A. No.

21 Q. Was called in early p.m. yesterday while in my
22 car and told patient persistent chest pain.

23 A. Has persistent chest pain.

24 Q. Persistent chest pain over 30 minutes,
25 persisting despite increasing IV nitroglycerin

1 and told house doctor looked at new EKG and
2 diagnosed acute anterior MI with new changes
3 since that morning and more ST changes. I told
4 nurse to check for contraindications to TPA and
5 if no contraindications, to start TPA.

6 Did I read that accurately, doctor?

7 A. That is accurate.

8 Q. Did you have any personal work experience with
9 Omar Jordan prior to May 21, 1993?

10 A. Yes.

11 Q. And did you at that time have an opinion of
12 Omar's nursing skills and abilities?

13 A. Yes.

14 Q. And what was your opinion?

15 A. My opinion was that every interaction I had had
16 with him in the past had always been very
17 appropriate and excellent.

18 Q. Excellent?

19 A. I cannot recollect that he ever made an error
20 with one of my patients, with my interactions
21 with him, and I can't recall ever having had any
22 of my partners or other colleagues indicating
23 there had been a problem.

24 Q. I believe you started to say that you told the
25 nurse other things, besides what you indicated

1 in your progress note that you told the nurse,
2 is that correct?

3 A. That's correct.

4 Q. What specifically did you tell the nurse?

5 A. For example, one thing I recall very vividly is
6 I said, check that there are no
7 contraindications such as an old stroke, such as
8 GI bleeding.

9 And we discussed the contraindication
10 checklist, and he indicated that yes, he had it
11 right there, and I was familiar with that
12 contraindication checklist.

13 Q. Now, doctor, you say you went over the -- strike
14 that.

15 You went over the thrombolytic therapy
16 guideline sheet or a portion of it with Nurse
17 Jordan?

18 A. What I'm saying is that I specifically stated to
19 Omar that to check for contraindications, such
20 as an old stroke, such as GI bleeding, and then
21 we specifically discussed that he should go
22 through the contraindications on the TPA
23 checklist that is part and parcel of the orders
24 available to him at Hillcrest Hospital.

25 Q. Now, you are referring to the Meridia Hillcrest

1 preprinted thrombolytic therapy guidelines, I
2 believe, doctor, Pages 26 and 27.

3 This contraindicator check sheet that you
4 are referring to, doctor, I believe you are
5 referring to the Meridia Hillcrest Hospital
6 preprinted thrombolytic therapy guidelines
7 consisting of two pages, is that correct?

8 A. Well, I am referring to the top of Page 2. It
9 says Page 2 of 2, your number is 27, where under
10 item one it lists A through I and that is
11 specifically what I am referring to, yes, sir.

12 Q. Now, what did you tell him to do with that
13 portion of the guidelines?

14 A. I told him to check and make sure that the
15 patient had none of those contraindications.

16 Q. And how did you tell him to go about checking
17 that?

18 A. I'm not sure that I explicitly told him every
19 way. And because I don't really remember the
20 conversation in that much detail, I would assume
21 that I would have had him check the chart and
22 check the patient.

23 Q. You don't have an independent recollection of
24 that conversation?

25 MR. JACKSON: That's not what he

1 said.

2 Q. Is that your testimony?

3 A. I have an independent recollection of aspects of
4 the conversation. I don't have an independent
5 recollection of this specific aspect, as to how
6 I told him or if I told him how to go about
7 that.

8 Q. It's your testimony that you told him to go over
9 that portion of the guideline, is that correct?

10 A. Not just to go over it and read it, to check for
11 and make sure that the patient did not have any
12 of these problems.

13 Q. You told him to do that but you don't recall
14 telling him how to go about doing that, is that
15 correct?

16 A. I don't recall whether I told him to go about or
17 how to implement that. I may have said check
18 the chart and the patient, that certainly was my
19 understanding and interpretation. And I may
20 well have said it, I just don't recall.

21 Q. What was your understanding and interpretation
22 of that?

23 A. That's what I would have expected him to do
24 whether I'd said it or not. And I believe I, I
25 may have said it and I may not have said it, I

1 just don't recall.

2 Q. Did you go over any part of these two pages with
3 Nurse Jordan at that time?

4 A. No, I did not have them in my hands. I mean, I
5 was in my car and he was in the hospital.

6 Q. But he didn't discuss Page 1 of 2 with you?

7 A. We discussed for sure the dosages of the TPA,
8 for example, the 15 milligram bolus and the dose
9 of the patient.

10 At that time and currently, as well, I
11 treat my patients with what's called the
12 accelerated version of TPA, which is proven to
13 be more effective than this older protocol
14 sheet, and I certainly discussed that with him.

15 We discussed Heparin and I told him not to
16 implement Heparin at that time, and I have a
17 direct and immediate recollection of that. We
18 discussed Lidocaine. I said no Lidocaine at
19 that time. We discussed the aspirin. So we
20 would have discussed it, but I would not have
21 had this directly in front of me.

22 Q. So you did prescribe the aspirin, is that
23 correct?

24 A. Yes.

25 Q. Okay. Did you go over Page 2 of 2, Item 1, A

1 through I, with him?

2 A. Not item by item.

3 Q. You just told him to follow the instructions on
4 the sheet and to determine if there were any
5 contraindications, is that correct?

6 A. I also told him specifically no stroke, no
7 active -- no history of GI bleeding or active
8 ulcer problems.

9 Q. Did you instruct him to have a discussion with
10 Mr. Grasgreen or with Mrs. Grasgreen, if she
11 were present?

12 MR. GAUGHN: Excuse me. May I just
13 have a continuing line of objections? I
14 don't want to keep interrupting.

15 MR. ZUCKER: To what?

16 MR. GAUGHN: I think he already
17 stated he doesn't recall telling Nurse
18 Jordan specifically how to implement his
19 directions. Again, I don't want to
20 interrupt.

21 MR. ZUCKER Sure. Continuing
22 objection is noted

23 MR. GAUGHN Thank you.

24 Q. Did you instruct him specifically to discuss the
25 contraindications with Mr. Grasgreen?

- 1 A, I do not recall.
- 2 Q. Did you instruct him specifically to review the
3 chart for contraindications?
- 4 A. I think this has been asked and already
5 answered. I do not recall exactly what I told
6 him, the precise words, but my understanding was
7 that he would, at a minimum, have reviewed the
8 chart and spoken with the patient.
- 9 Q. Now, Nurse Jordan told you in the conversation
10 referred to in your May 22nd progress note that
11 a house doctor had interpreted a recent EKG, is
12 that correct, doctor?
- 13 A. That's correct.
- 14 Q. And told you that the doctor had interpreted it
15 as indicating an acute anterior myocardial
16 infarction with changes from earlier EKGs, is
17 that correct?
- 18 A. Earlier that day, specifically.
- 19 Q. Right.
- 20 A. The same day.
- 21 Q. Right. And did Nurse Jordan tell you who the
22 house doctor was that read the EKG?
- 23 A. Honestly, I do have a direct recollection that
24 he mentioned who it was and at this point I
25 don't recollect what the name was, but it was

1 one of the house doctors, probably either Dr.
2 Attaran or Dr. Chentow and I don't remember
3 which of the two, But he did, I do know
4 specifically he did tell me the name, I just
5 don't recollect which one it was.

6 Q. You have worked both with Dr. Chentow and
7 Dr. Attaran in the past, have you?

8 A. Yes, sir.

9 Q. And in May of 1993 had you had any personal
10 working experience with both of those doctors?

11 A. Yes, sir.

12 Q. And regarding Dr. Chentow, did you have an
13 opinion on May 21, 1993 regarding his skills and
14 abilities to practice medicine?

15 A. Yes, sir.

16 Q. And what was your opinion?

17 A. My opinion was that he practiced good medicine.

18 Q. You had worked with him in the past you say, is
19 that correct?

20 A. Yes, sir.

21 Q. Did you ask the nurse to speak with the doctor?

22 MR. JACKSON: You mean the house
23 doctor?

24 Q. Did you ask the nurse to speak to the doctor who
25 interpreted the EKG?

1 A. Did I ask -- I knew the nurse had already spoken
2 to the doctor. I mean if you are asking how did
3 the --

4 Q. I asked very specifically did you ask the
5 nurse -- I'm not going to badger you here, but
6 you are carrying on, doctor.

a MR. JACKSON: Wait a second.

8 MR. SCOTT: There are two
9 interpretations.

10 MR. JACKSON: There are two
11 interpretations. The question you asked
12 could be interpreted did the doctor ask the
13 nurse for the nurse to speak with the
14 doctor, the house doctor, or it could be
15 interpreted did the doctor ask the nurse
16 for the doctor to speak with the doctor. I
17 mean the way you asked the question.

18 MR. ZUCKER: Okay.

19 MR. JACKSON: Could have been two
20 different things.

21 Q. Did you ask to speak with the doctor directly?

22 A. Did I ask for myself to speak to the doctor?
23 No, I did not.

24 Q. So you were relying on Nurse Jordan's
25 recollection of what Dr. Chentow or Attaran told

1 him about the EKG, correct?

2 A. I was relying on that which would have been told
3 to him just within minutes before.

4 Q. Did you speak with Dr. Chentow at any time
5 during the ordeal?

6 A. Not --

7 MR. SCOTT: Objection to
8 classification, characterization. Go
9 ahead, doctor.

10 A. I did not talk to Dr. Chentow at any time while
11 I was making decisions about the TPA. Whether I
12 spoke to him later in the evening when the
13 patient had his later event, I don't recall
14 directly.

15 Q. Did you ask the nurse if the doctor had compared
16 EKGs that were done earlier in the day?

17 A. I'm not trying to avoid your question. I have a
18 direct recollection that the EKG from early that
19 morning was specifically compared to the new
20 acute EKG and that the comments from the doctor
21 were as I indicated in my notes. Whether that
22 came up in a conversation because I asked the
23 nurse or whether the nurse volunteered it in
24 giving me the history, I don't, it could have
25 been either way, but specifically the two were

1 compared.

2 Q. So, doctor, you were under the impression that
3 the patient, Arthur Grasgreen, was in the
4 process of having an acute myocardial infarct,
5 isn't that correct?

6 A. Yes.

7 Q. Did you instruct the nurse to get an attending
8 physician to attend to Mr. Grasgreen?

9 A. I'm confused. I am the attending physician and
10 I was attending to him.

11 Q. From your car phone, is that correct?

12 A. Yes.

13 Q. You don't think it's good medicine to have a
14 doctor in the hospital with the patient tending
15 to him when he is having a heart attack?

16 A. He did.

17 Q. Who was that?

18 A. The house doctor. There is a fully licensed,
19 practicing for many years doctor, fully
20 qualified.

21 Q. And to your knowledge, Dr. Chentow stayed at the
22 bedside with Mr. Grasgreen while he was going
23 through this?

24 A. I don't believe so. It's not standard of care
25 for us to do so in these situations.

1 Q. You don't believe it's standard of care?

2 A. It is -- I do not believe that it's standard of
3 care for a doctor to stand by the bedside for
4 minutes, hours, whatever, when somebody is
5 having a heart attack.

6 It's standard of care for a doctor to make
7 an adequate assessment of what's going on, but
8 to say you are going to sit at the bedside for
9 everybody while the person is having a heart
10 attack is ridiculous.

11 Q. Do you recall how many times you spoke with
12 Nurse Jordan the evening of the 21st, starting
13 with the initial call up until the time that you
14 called to discontinue the TPA?

15 A. There was the initial phone call. There was a
16 phone call when I asked the EKG to be faxed to
17 me as soon as I got to a fax machine.

18 Q. The first EKG or second?

19 A. Both, I asked for both EKGs to be faxed and
20 indeed received both.

21 There was the phone call after I had
22 reviewed those EKGs and then there was the phone
23 call where the TPA was actually stopped. So I
24 count four, counting the initial.

25 Q. Doctor, what was your interpretation of the

1 first EKG that was faxed to you?

2 A. There were two EKGs faxed to me. Are we talking
3 temporal?

4 MR. ZUCKER: Gentlemen, we are
5 referring to, we are going to be referring
6 to all the EKGs there are. They are Pages
7 46 through 56.

8 Q. The first EKG that was faxed to you, if I'm not
9 mistaken, doctor, was the May 21st, 1750. That
10 would be 5:50 p.m., is that correct?

11 MR. JACKSON: Which number?

12 MR. ZUCKER: You want -- well --

13 MR. JACKSON: I think what he was
14 trying to say to you before was he doesn't
15 know which one he got first, but in terms
16 of interpreting, if you give him a specific
17 one, he will give you his interpretation.

18 MR. ZUCKER: I'm in the process of
19 doing that.

20 MR. JACKSON: He doesn't know which
21 one came across the wire first.

22 A. I had two EKGs faxed to me, one before the
23 other, but both coming over in one
24 transmission. I don't know which one came
25 first. That's why I asked whether it was

1 temporal.

2 Q. Doctor, you indicated that when you talked to
3 the nurse over the phone you told the nurse to
4 fax you an EKG.

5 A. No.

6 Q. Well --

7 A. I asked the nurse to fax me the two EKGs.

8 Q. That's not what your note says, doctor.

9 A. It's -- well, that's what I did and that's what
10 happened.

11 Q. Would you read your note pertaining to the
12 faxing of the EKGs, or would you prefer that I
13 read the note?

14 A. I'll be happy to read. It says EKGs, plural,
15 more than one, sent to me. I believe that's the
16 way you read it when you read it back to me.

17 Q. Wait a minute, doctor. If you go on in the
18 note, you told nurse to get one more EKG and
19 send to me stat.

20 A. That is now the third EKG that would have been
21 sent to me.

22 Q. Doctor, would you review the EKG indicated
23 beginning on Page 46 and ending 56 and tell me
24 which three, tell me which two you got first and
25 then which one you got over the third fax

1 transmission?

2 A. All right. The two that were faxed to me
3 initially are both dated May 21st, the first
4 being 0717 hours, Page number 48 in your
5 records.

6 And May 21, 1993 at 1750 hours, numbered
7 49.

8 As it turns out, I had stopped the TPA
9 prior to the next EKG being faxed to me and I do
10 not have direct recollection whether or not that
11 one was ever faxed to me because intercurrent
12 events changed what was going on. It may have
13 been, I just don't recall.

14 Q. What were those events, doctor?

15 A. After I told the nurse to repeat one last EKG
16 and fax to it me and indicated to him that I was
17 probably going to stop the TPA early because I
18 did not think I saw significant acute changes
19 from the one from the morning, the nurse called
20 me back within minutes to say that the patient
21 had dropped his blood pressure.

22 At that point and prior to my getting any
23 other EKGs I said, stop the TPA.

24 Q. Doctor, you haven't indicated that you had read
25 the EKG that was done in the morning. Excuse

1 me, doctor.

2 A. Could you restate or rephrase your question?

3 Q. When did you read the ERG that was done in the
4 morning of the 20th?

5 A. The morning of the 20th or 21st? I'm saying
6 that the --

7 Q. Excuse me.

8 A. The EKGs of the 21st.

9 Q. The evening of the 20th, did you ever read the
10 EKG that was done after Mr. Grasgreen was
11 admitted to the hospital around 10:00 or 10:04
12 in the evening on the 20th?

13 A. I do not believe I got that one faxed to me.

14 Q. So it was your belief after looking at both of
15 these EKGs that there were no significant
16 changes from what, doctor?

17 A. Between the one at 0717 hours and the one at
18 1750 hours,

19 Q. And how did you interpret the EKG at 717 hours?

20 MR. JACKSON: 0717.

21 A. I understand, Page 48 we are talking about?

22 MR. JACKSON: Yes.

23 A. I would interpret that as being normal sinus
24 rhythm. I would interpret this as anteroseptal
25 myocardial infarct, either old with left

1 ventricular aneurysm or acute.

2 Q. Or acute?

3 A. Or acute.

4 Q. Why did you discontinue the TPA?

5 A. Because I was not consulted and had no knowledge
6 of the patient at 0717 hours. My partner was
7 taking care of him. I was many hours later.

8 The discussions about the risk benefit
9 ratio that we had before, we have to, one of the
10 factors is how long the patient has been having
11 the pain, and I was consulted in the evening,
12 which would have been, oh, at least, let's see,
13 five hours brings us to noon, another six hours,
14 at least 11 or 12 hours.

15 Q. Doctor, 1750 military time is 5:50 in the
16 afternoon -- I'm sorry, is what time in the
17 afternoon? 1750 military time is --

18 A. 5:50 p.m.

19 Q. _- is 5:50 p.m.

20 A. Which is over 10 hours from the initial EKG and
21 I was not called at 1750 p.m., I was called at
22 somewhat after that, after the nurse had the
23 time to review this.

24 Q. I'm sorry, doctor, I don't quite understand what
25 you just said regarding that EKG that was done

1 10 hours earlier. Which one was that?

2 A, 0717, 7:17 in the morning.

3 Q. I asked you to interpret that and you said that
4 you saw either a remote infarct or an acute
5 infarct, correct?

6 A. A remote infarct with left ventricular aneurysm
7 or an acute infarct, correct.

8 Q. That reading was done at 5 -- I'm sorry, at 7:17
9 in the morning on May 21st, correct?

10 A. Correct.

11 Q. Okay. The EKG on page 48, that was done at
12 1750. How did you interpret that?

13 A. I interpreted that as, in the same way.

14 Q. Either remote infarct or an acute infarct, is
15 that correct?

16 A. And unchanged from the record that morning.

17 Q. Then why did you discontinue the TPA?

18 A. Because I didn't think it was indicated.

19 Q. Well, if you thought he was having an acute
20 myocardial infarct, why wouldn't it have been
21 indicated?

22 A. Because the time at -- well, several answers to
23 that. The immediate answer is I discontinued
24 the TPA because he dropped his blood pressure
25 and was concerned about a bleeding problem.

1 Okay. That's number one.

2 Number two, as part and parcel of that I
3 discontinued it because the indication for
4 giving TPA depends on the number of hours that
5 the patient is having their acute infarct.

6 Q. Why is that, doctor?

7 A. Because the longer you wait, the greater the
8 likelihood that all the damage that is going to
9 be done is already done. And therefore, that
10 leaves the risk of the TPA unchanged but lowers
11 the possible benefit.

12 Q. I got you. Doctor, at any point did you review
13 the EKG that was done on the evening of the 20th
14 after Mr. Grasgreen's admission?

15 A. Yes.

16 Q. And did you find any changes between -- strike
17 that.

18 From that EKG and the two that were faxed
19 to you on the 21st?

20 MR. JACKSON: That's Page 46?

21 MR. ZUCKER: Page 46.

22 A. I would say there were no significant changes
23 between that May 20th at 2200 hours EKG and the
24 EKG on May 21st at 0717 hours in the morning and
25 the EKG at 1750 hours on May 21st with the

1 exception that there are perhaps some subtle,
2 slightly deeper T wave inversions which may have
3 been related to lead placement, l-e-a-d,
4 placement, where they put the electrodes on the
5 chest wall.

6 Q. Prior to prescribing the TPA did you ask the
7 nurse any questions about Mr. Grasgreen
8 specifically?

9 A. I'm sure I asked him some questions and I'm sure
10 he volunteered some information, yes.

11 Q. Well, would those questions be regarding
12 information contained in the hospital chart?

13 A. Yes, sir.

14 Q. Nurse Jordan testified that he never looked at
15 the hospital chart prior to administering the
16 TPA; that he never discussed it with you; that
17 you never told him to look at the chart. Are
18 you aware of that?

19 MR. GAUGHN: Objection. I believe
20 you are mischaracterizing.

21 A. No.

22 MR. ZUCKER: You object. Strike
23 that.

24 A. No, I'm not aware of that.

25 Q. Omar Jordan testified -- strike that.

1 He looked at the bedside portion of the
2 chart and that said, that would be the
3 assessment portion of the chart, but other than
4 that, he said he never reviewed Arthur
5 Grasgreen's hospital charts for
6 contraindications to TPA. Are you aware of
7 that?

8 A. I am now, if you tell me so, but I was not prior
9 to this instant.

10 Q. Have you ever discussed this case with Omar
11 Jordan?

12 A. No, sir.

13 Q. Were you aware before today that Mr. Grasgreen
14 died of a cerebral hemorrhage?

15 A. Yes, sir. Actually, I believe it was a
16 cerebellar hemorrhage.

17 Q. Cerebellar?

18 A. I could be wrong.

19 Q. You mean you don't recall specifically any
20 questions that you asked the nurse about
21 Mr. Grasgreen prior to ordering the TPA?

22 A. I recall the imparting of knowledge between us
23 and how much he volunteered to me and how much I
24 directly asked him, I don't know. We would have
25 reviewed and I recall reviewing the medicines he

1 was on, because that's part and parcel of how we
2 treat people with chest pains.

3 You know, I have, I mean, I recollect the
4 imparting of knowledge, but again, whether he
5 volunteered, it's unlikely he volunteered that.
6 It's highly likely that I asked him what
7 medicine this man was on.

8 Q. So it's your testimony, doctor, you don't recall
9 specifically any questions that you asked him,
10 is that correct?

11 A. I don't recall what I said, but I do have direct
12 recollections of the knowledge that came to me,
13 whether it was volunteered by him or a question
14 asked and answered.

15 Q. What was that?

16 A. Entire aspects and we have covered much of it.

17 Q. What was that again, doctor?

18 A. Without being absolutely complete, there were
19 the aspects of the medicine he was on, the
20 aspects of what his past history was, the
21 aspects of contraindications to therapy, the
22 aspects of his EKG findings, the aspects of the
23 house doctor's assessment. Again, there are
24 others I could probably think of, given more
25 time.

1 Q. How about his prothrombin?

2 A. I don't recall whether we talked about that.

3 Q. How about his enzymes, laboratory enzyme
4 findings?

5 A. I believe we talked about the enzyme findings.

6 Q. Doctor, the medical literature that I have read
7 indicates that once a person suffers hemorrhage
8 as a result of TPA, the death rate is 61 to 66
9 percent. Do you agree with that?

10 A. I would agree that it's a serious problem that
11 often eventuates in death. Without looking at
12 the specific articles, you give the numbers.

13 Q. You would say there is a high incidence of death
14 in people who suffer hemorrhage as a result of
15 TPA, correct?

16 A. Absolutely.

17 Q. You say you had planned to discontinue the TPA
18 after reviewing the EKGs that were faxed to you,
19 correct?

20 A. Correct.

21 Q. But you knew it would be too late, didn't you?
22 With the high incidence rate indicated in the
23 literature, didn't you know it would be too late
24 after you administered 65 milligrams of the
25 medicine?

1 A. Too late for what?

2 Q. Too late to discontinue it.

3 A. Again the question is, too late for what? There
4 was additional dosage going. TPA works to
5 dissolve clots. Sometimes it works in lower
6 doses, sometimes it works in higher doses.

7 Q. Doctor, you had administered the accelerated
8 dose, is that correct?

9 A. Yes.

10 Q. And are you aware of how much TPA Mr. Grasgreen
11 was actually administered prior to the time you
12 discontinued it?

13 A. 65 milligrams, give or take a couple
14 milligrams.

15 Q. What was your original -- how many milligrams of
16 the TPA did you want him to have before you
17 discontinued it?

18 A. Assuming I was not discontinuing it early, he
19 would have had 100 milligrams. Does that answer
20 your question?

21 Q. No. You said you had a plan to discontinue the
22 TPA early in your progress note, correct?

23 A. Yes.

24 Q. And how much TPA were you going to allow him to
25 get before you discontinued the TPA if, in fact,

1 there were contraindications that you were to
2 learn about when you interpreted the EKG that
3 was faxed to you?

4 A. The EKG was not a contraindication. The reason
5 I was reevaluating was a lack of indication as
6 opposed to a contraindication.

7 Q. Explain that to me.

8 A, Well, there are two things we weigh, if you need
9 a drug, I'm -- it -- you need it for a reason.

10 Q. So are you saying, doctor, he probably wasn't
11 having a heart attack in your opinion, is that
12 correct?

13 A. No, that's not correct.

14 Q. What would the lack of indication be? I'm sorry
15 I interrupted you. What would the lack of
16 indication be?

17 A. Okay. The best established criteria for the
18 administration of TPA includes as one factor the
19 new elevation of ST segments in more than one
20 lead in a given anatomic area --

21 Q. I understand that.

22 A. -- within a certain period of time.

23 Q. I understand that.

24 A. That's open to interpretation, what that period
25 of time is. Different physicians feel

1 differently.

2 It was my opinion that those two EKGs did
3 not show any new elevation, going from the one
4 in the morning at 07 whatever hours to the one
5 approximately 10 hours later, and since there
6 was no new elevation, he did not meet those
7 criteria to get the drug, in my opinion.

8 Q. Where were you coming from when you received the
9 beep and returned the call?

10 A. From here, from this office.

11 Q. Where were you going to?

12 A. I believe I was on my way home.

13 Q. Where do you live?

14 A. In Cleveland Heights.

15 Q. Do you remember the location that you were in
16 when you received the call?

17 A. No.

18 Q. Did you consider going to the hospital?

19 A. Yes.

20 Q. And why didn't you?

21 A. Because I was closer to my home, to a fax
22 machine where I could get the EKG.

23 Q. You have a fax machine at your home, is that
24 correct?

25 A. Yes, sir.

1 Q. You were on call for your associate,
2 Dr. Grinblatt, when that occurred, is that
3 correct?

4 A. Correct.

5 Q. And he was Mr. Grasgreen's attending physician,
6 attending cardiologist, is that correct?

7 A. Correct.

8 Q. Did you ever consult, prior to prescribing the
9 TPA for Mr. Grasgreen, with Dr. Grinblatt
10 regarding Mr. Grasgreen?

11 A. No.

12 Q. Had you personally, prior to prescribing TPA for
13 Mr. Grasgreen, reviewed his medical chart at the
14 hospital?

15 A. No.

16 Q. When did you and Dr. Grinblatt arrange for you
17 to cover for him that afternoon or that evening?

18 A. It's an automatic thing. At 5:00 the secretary
19 signs out the phones and the answering service
20 then calls the doctor on call.

21 Q. And what day of the week did this event occur?

22 A. It was a weekday. I don't really recall.

23 Q. Was it a Friday, is that correct?

24 A. I have no idea. We can look it up on a
25 calender, I'm sure, easy enough.

1 Q. Dr. Grinblatt is an orthodox Jew?

2 A. Yes.

3 Q. Does he wear a yarmulke?

4 A. Yes.

5 Q. Does he observe the sabbath from Friday to
6 Saturday?

7 A. Depending on what you mean by observe.

8 Q. Does he work between the beginning of the
9 sabbath on Friday evening until the end of the
10 evening on Saturday?

11 A. Yes, at times.

12 Q. Do you recall if you ever asked Nurse Jordan to
13 review Dr. Grinblatt's routine coronary care
14 orders that were issued the evening of the
15 admission?

16 A. No.

17 Q. Did you ever tell Nurse Jordan that you were
18 planning to discontinue the TPA early?

19 A. Yes.

20 Q. Do you recall, not the exact conversation, but
21 whether it was in the first or whether it was in
22 the second or third?

23 A. I remember exactly. It was when he had faxed me
24 the two EKGs and I called him back and I said I
25 do not see any ST change from this morning's

1 EKG. I want another EKG to make sure he hadn't
2 evolved one, because I thought at the time and I
3 continue to think that he was indeed having an
4 acute ischemic event and probably was starting
5 to have a heart attack and if I saw new ST
6 changes at the time, I would have continued the
7 TPA.

8 Q. Doctor, approximately how long does it take for
9 a nurse to do a 12 lead EKG?

10 A. Five minutes perhaps.

11 Q. What's the infusion time of 50 milligrams of
12 TPA?

13 A. Whatever you set it at.

14 Q. What did you tell him to set it at?

15 A. It was set at two different rates.

16 Q. You told him to give the 15 milligram bolus
17 dose, correct?

18 A. Correct.

19 Q. Which you take orally, correct?

20 A. No.

21 Q. I'm sorry. How do you take that?

22 A. You don't take it, it's administered
23 intravenously by injection.

24 Q. I'm sorry. How long does that take?

25 A. Minute or two.

1 Q. And then the second 35 milligram dose that you
2 ordered administered, how long did you order
3 that administered over?

4 A. The second what, please?

5 MR. JACKSON: This one.

6 Q. I'm sorry. The 50, the second 50 milligram dose
7 you ordered to be administered over how long a
8 period of time?

9 A. 30 minutes.

10 Q. 30 minutes. So, doctor, when you contrived the
11 plan in your mind to discontinue the TPA early
12 after you had an opportunity to review EKGs that
13 were being faxed to you at your home, you knew,
14 because you had already ordered the infusion
15 times, that it would be -- strike that. That
16 Mr. Grasgreen would receive at least 65
17 milligrams of the drug before you had an
18 opportunity to discontinue it, isn't that
19 correct?

20 A. That's correct.

21 Q. Doctor, in your opinion, if in fact Omar Jordan
22 recorded properly what Dr. Chentow told him
23 regarding the EKG that he interpreted, then
24 Dr. Chentow misinterpreted the EKG in your
25 opinion, is that correct?

1 MR. SCOTT: Objection.

2 MR. JACKSON: Wait a second. Would
3 you clarify? Are you asking -- let me ask
4 and then you can tell me if this is the
5 question, because I want to understand.

6 MR. ZUCKER: You don't have to
7 waste your breath. The objection is noted
8 as to doctor, as to his opinion about Dr.
9 Chentow's interpretation of the EKG.

10 MR. JACKSON: EKG.

11 Q. In your opinion, Dr. Chentow, if it was he who
12 interpreted that EKG the nurse told you about,
13 he did, in fact, misinterpret the EKG, is that
14 correct?

15 MR. SCOTT: Objection.

16 MR. JACKSON: Assuming the
17 information given the doctor from Omar
18 Jordan was accurate as to what Dr. Chentow
19 did.

20 MR. ZUCKER: That's what I said in
21 the first place.

22 MR. JACKSON: That's not the way
23 you said it. That's why I was asking you
24 to clarify.

25 MR. GAUGHN: Objection.

1 A. The question has been changed so many times.

2 Let me try and answer it.

3 Q. Let me start all over.

4 A. I think I understand.

5 Q. You didn't speak directly with the doctor to get
6 his interpretation of the EKG, you learned of
7 his interpretation from Nurse Jordan, correct?

8 A. Correct.

9 Q. If what Nurse Jordan told you was accurate
10 regarding what Dr. Chentow told him, is it your
11 opinion that Dr. Chentow misinterpreted the EKG?

12 A. Yes.

13 MR. SCOTT: Objection. Move to
14 have it inserted prior to the answer.

15 MR. ZTJCKER: I didn't hear you.

16 MR. SCOTT: I simply objected and
17 moved to have the objection inserted prior
18 to the answer.

19 Q. Doctor, did you at any time consider asking the
20 house officer, whoever it may have been, to
21 review the chart and speak with the patient
22 before prescribing the TPA?

23 A. It was not the house officer, it's a house
24 doctor, which is different. House officers are
25 in training, house doctors are licensed,

1 practicing physicians. And no, I did not.

2 Q. Would you agree that it's in accordance with
3 good and accepted medical practice to review a
4 patient's medical chart before prescribing TPA?

5 MR. GAUGHN: Objection.

6 MR. JACKSON: I will object also.

7 You may answer.

8 MR. SCOTT: Objection.

9 A. It is good medical practice to be acquainted
10 with appropriate aspects of the history.
11 Whether that is from the source of a chart or a
12 family member or a patient is irrelevant. The
13 obtaining of the data is relevant.

14 Q. Would you agree that it's in accordance with
15 good and accepted medical practice for a
16 physician to speak with a patient to obtain a
17 medical history, to explain the risks of the
18 intended procedure, and to get the patient's
19 permission prior to administering TPA?

20 MR. JACKSON: I will object. You
21 may answer that.

22 A. Since time is of the essence in the
23 administration of TPA, although in the best
24 possible of worlds it would be -- I would
25 infinitely prefer to be there instantaneously,

1 and do what you say, the practical reality is
2 that does not lead to good patient care and that
3 the patient suffers by the delay.

4 Q. Doctor, if you had been at the hospital on May
5 21st, about the time you received the telephone
6 call from Omar Jordan, would you have reviewed
7 the medical chart?

8 A. Yes, sir.

9 Q. If you were at the hospital at that time, would
10 you have spoken to the patient and obtained a
11 history and explained the risks and the benefits
12 of the TPA?

13 A. I would have spoken to the patient, I would have
14 obtained a history and I would have talked
15 somewhat of the risks, yes, sir.

16 Q. Would you have obtained the patient's informed
17 consent then?

18 A. I would not have obtained a written informed
19 consent.

20 Q. A verbal informed consent?

21 A. Not necessarily. I would have explained to the
22 patient the situation and if they had indicated
23 that they didn't want it, then we would have
24 discussed things further.

25 But my experience with these people is

1 putting an acute stress on them, number one, by
2 putting them in the mentally anguishing position
3 of trying to make a decision when the vast
4 majority of them go and say yes anyway because
5 it's the right thing to do, number one, delays
6 the administration of the drug, which causes
7 their patient care to suffer.

8 Number two, increases their adrenaline
9 level which may, in turn, increase their
10 infarct, which causes their suffering.

11 So I don't dwell on the risks with my
12 patients. This is a standard, well accepted
13 procedure of standard, well accepted and
14 recommended treatment.

15 And just like you would expect to get, you
16 know, any other drug in the hospital if you had
17 something that needed it, or, well, not surgery,
18 but any other medicine, you would give it
19 because that's good care.

20 Q. It's your testimony that it isn't in accordance
21 with good and accepted medicine to obtain
22 consent -- strike that.

23 To obtain informed consent from a patient
24 prior to administering TPA.

25 MR. JACKSON: Objection. That's

1 not what he said, but go ahead, doctor.

2 MR. ZUCKER: That's my question.

3 MR. JACKSON: You implied that's
4 what he just said to you and that's not
5 what he said. That's your interpretation
6 perhaps.

7 If you want it read back, you can do
8 that. You want to read it back?

9 MR. ZUCKER: No.

10 Q. The question is, is it your testimony that it is
11 not necessary to obtain informed consent from a
12 patient before administering TPA?

13 A. Yes.

14 Q. Okay. Now, bleeding is the most serious risk of
15 TPA, is that correct?

16 A. Correct.

17 Q. And that's because TPA acts to inhibit the
18 body's blood clotting system, correct?

19 A. Incorrect.

20 Q. Incorrect, did you say incorrect?

21 A. Not correct.

22 Q. TPA does not act by inhibiting the body's blood
23 clotting system?

24 A. TPA acts by dissolving the clot. It doesn't
25 inhibit the disposition of the clot, it

1 dissolves the clot. It activates the factors in
2 the body that cause that dissolving of the clot.

3 Q. So it inhibits the body's --

4 A. It doesn't inhibit anything, it dissolves the
5 clot.

6 Q. As TPA is dissolving this clot in the coronary
7 artery, it's also dissolving clots in the other
8 areas of the body, is that correct?

9 A. If there are some and depending on their age.

10 Q. Aren't there always blood clots, aren't there
11 good, you want to answer the question first,
12 aren't there blood clots throughout our body?

13 A. No.

14 Q. Aren't there some blood clots in our body out of
15 necessity?

16 A. Intermittently we all at times form good blood
17 clots.

18 Q. And TPA can't distinguish between the good clots
19 and the bad clots, isn't that correct?

20 A. Correct.

21 MR. ZUCKER: Off the record.

22 - -

23 (Thereupon, a discussion was had off
24 the record,)

25 - - - -

1 MR. ZUCKER: Back on the record.

2 Q. Doctor, age is a important factor in determining
3 whether or not to prescribe TPA for a patient,
4 is that correct?

5 A. No.

6 Q. Not at all?

7 A. It's one of the factors considered, but whereas
8 it used to be a contraindication, the data has
9 now unequivocally shown that although more
10 elderly people get complications from TPA, you
11 save more lives by giving TPA to the elderly and
12 they are precisely the population you need
13 to --

14 Q. Older patients are more likely to have bleeding
15 complications, isn't that correct?

16 A. That's correct.

17 Q. Why is that?

18 A. I'm not sure that anyone knows the answer.

19 Q. Well, does it have anything to do with the
20 breakdown of the vasculature, of the vascular
21 system as we age?

22 A. This would be speculation.

23 Q. Okay. So in this elderly age group a careful
24 risk benefit ratio analysis has to be done with
25 each individual patient, would you agree with

1 that?

2 A. Any age group,

3 Q. Doctor, what is a bleeding diathesis?

4 A. A bleeding diathesis is when someone has an
5 intrinsic abnormality with their bloodstream and
6 their clotting mechanisms and the structure of
7 their blood vessels are such that they have an
8 increased likelihood of bleeding due to a
9 primary abnormality of their body.

10 Q. Were you aware at the time that you prescribed
11 TPA for Arthur Grasgreen that he was on Coumadin
12 lifelong?

13 A. He was not on Coumadin at the time I prescribed
14 it to him.

15 Q. Well, I believe his last dose was at 9:00 the
16 day before, 9:00 p.m. the day before you
17 prescribed TPA, is that correct?

18 A. If you tell me. I don't know when his last, the
19 exact time and hour of his last dose was.

20 Q. Well, what do you mean when you say he wasn't on
21 Coumadin at the time you prescribed TPA?

22 A. Because Coumadin had been stopped.

23 Q. But prior to the admission in the hospital he
24 had been on Coumadin lifelong, is that correct?

25 A. Not since he was not a baby, no, not lifelong.

1 He had been on it at the time, as of the time he
2 came in.

3 I don't mean to badger you, but I'm just
4 trying to answer an accurate question
5 accurately.

6 Q. Have you reviewed Arthur Grasgreen's medical
7 charts since May 21, 1993?

8 A. The one from Hillcrest Hospital, this admission,
9 yes, sir.

10 Q. Did you notice in the chart that Mr. Grasgreen
11 had been on Coumadin lifelong?

12 A. Again, he was not on it lifelong.

13 Q. What is the --

14 A. Lifelong means from the day you are born until
15 the day you die.

16 Q. My understanding in prescription medicine is
17 that lifelong means you'll be on it for the rest
18 of your life, is that incorrect?

19 MR. SCOTT: Let's go on. I just
20 say let's go on. What difference does it
21 make? Ask him what his knowledge was.

22 Q. Do you have an answer to that?

23 MR. JACKSON: Does that mean
24 lifelong, is that what it means to you?

25 A. That's not what it means to me.

1 Q. But you state that prior to his admission Mr.
2 Grasgreen was on Coumadin, correct?

3 A. Correct.

4 Q. And you knew this at the time that you
5 prescribed the TPA?

6 A. I do not recollect directly whether I knew that
7 or not.

8 Q. At the time you prescribed TPA for Arthur
9 Grasgreen did you know that he had a prolonged
10 prothrombin time?

11 A. I do not recall directly whether I knew that it
12 was. Depends on what you mean by prolonged. It
13 was in the reasonably therapeutic range for
14 someone who was on Coumadin.

15 Q. It was 24 seconds, isn't that correct?

16 A. From prior to the time when he got the TPA. In
17 other words, there were a number of hours that
18 lapsed it would have been less than 24 seconds.

19 Q. Isn't it proper protocol to do a prothrombin
20 time test before administering TPA?

21 A. No.

22 Q. Was it protocol in May of 1993 to do a
23 prothrombin time test before administering TPA?

24 A. Depends what you mean by do one. We used to get
25 them on everybody. Okay. But you still

1 initiated them. before you ever got the results
2 of the test. So again, with that background,
3 ask your question again. I'll answer it as best
4 I can.

5 Q. Well, were you aware when you prescribed the TPA
6 for Mr. Grasgreen that he had had a prothrombin
7 time test approximately 20 hours before you
8 decided to prescribe the TPA?

9 A. I would have been aware of that, yes.

10 Q. And would you also have been aware of the
11 results of that test?

12 A. I would have had a general knowledge of that. I
13 don't know whether I can tell you I remember an
14 exact number.

15 Q. And if you had known that his prothrombin time
16 was prolonged to 24 seconds at the time you
17 prescribed TPA, would you have still prescribed
18 the TPA?

19 A. Yes, sir.

20 Q. You wouldn't have found that to be any type of
21 contraindication?

22 A. It is one of many factors that you assess, but I
23 would not have found, I would have still
24 prescribed the TPA.

25 Q. In and of itself it is a relative

1 contraindication, is that correct?

2 A. It is one of the factors you consider but we
3 give these people full anticoagulant doses with
4 Heparin. And Heparin and Coumadin do many of
5 the same things and I believe the reason I
6 didn't start the Heparin on this man when I
7 started the TPA was because of the affect of the
8 Coumadin.

9 Q. And why is that?

10 A. Because they act in the same way. They act in
11 very similar manners.

12 Q. Doesn't Coumadin act in a similar manner as TPA
13 as well?

14 A. It does not. There are multiple effects to
15 different drugs. The primary modality and the
16 primary way TPA works is to dissolve a blood
17 clot. And the primary way that the Coumadin and
18 Heparin work is to prevent a clot. So again,
19 the answer to your question is really no, it's
20 not correct, but they do have some overlap.

21 Q. Okay. How about Isordil, does that work in the
22 same way as TPA?

23 A. No.

24 Q. Does it work in the same way as Coumadin?

25 A. No.

1 Q. Would you agree that at the time Mr. Grasgreen
2 received the TPA that -- strike that.

3 Would you agree that prior to receiving TPA
4 Mr. Grasgreen's blood was already over
5 anticoagulated?

6 A. No.

7 Q. Why not?

8 A. Because of your statement of what over means.

9 Q. Well --

10 A. His prothrombin time was anticoagulated but not
11 over anticoagulated.

12 Q. Prothrombin time of 24 is not an indication of
13 over anticoagulated blood?

14 A. The way we used to prescribe Coumadin was to
15 take the hospital norm and to go anywhere around
16 two times that norm.

17 Now, over the years those values have been
18 narrowed and we now shift to other techniques
19 such as what is called the INR or international
20 normal ratio, but at that time a prothrombin
21 time of two times normal would have been an
22 accepted range.

23 Q. In Arthur Grasgreen's case would you consider
24 the fact that he was on Coumadin to be a
25 relative contraindication to be taken into

1 consideration in determining whether or not to
2 give him TPA?

3 A. It certainly should be taken into consideration.

4 Q. Would you agree that it was a relative
5 contraindication to be taken into consideration?

6 A. It's one of many factors that you weigh. I mean
7 if you, do I agree that you shouldn't give to it
8 people with Coumadin? No, I give to it people
9 with Coumadin.

10 Q. Doctor, the literature talks about
11 contraindication absolute and relative, is that
12 correct?

13 A. That's correct.

14 Q. Is Coumadin a relative contraindication in the
15 medical literature regarding TPA?

16 A. In that framework it would be considered as one
17 of the relative contraindications.

18 Q. Is a prolonged prothrombin time a relative
19 contraindication in the medical literature?

20 A. I'm not aware of that primarily by itself as
21 being on the usual list, but I would consider it
22 as so, but identical to the use of Coumadin.

23 Q. Okay. And that would, those relative
24 contraindications would fall under the category
25 of known bleeding diathesis, is that correct?

1 A. No. Because this is, this is in a different
2 area.

3 Q. What area would that be in?

4 A. To me a known bleeding diathesis is an intrinsic
5 abnormality of the bloodstream. This is
6 something that is administered to people
7 extraneously and is reversible.

8 Q. But the slight over anticoagulation of his blood
9 would have been an intrinsic relative
10 contraindication under the category of --

11 A. He was not over anticoagulated.

12 Q. Okay. Doctor, at the time you prescribed TPA
13 for Arthur Grasgreen were you aware that he had
14 a history of seizure disorder?

15 A. Yes.

16 Q. You were aware of that?

17 A. I believe so.

18 Q. And how did you become aware of that?

19 A. Through conversation with the nurse.

20 Q. And did you consider that to be a relative
21 contraindication to the prescription of TPA for
22 Mr. Grasgreen?

23 A. No.

24 Q. Why not?

25 A. Because it depends on what causes the seizure,

1 and that's one of the reasons why I specifically
2 asked the nurse to check for a history of
3 stroke'

4 Q. At the time you prescribed the TPA for
5 Mr. Grasgreen were you aware that the hospital
6 chart indicated in numerous locations that he
7 had a questionable history of cardiovascular
8 disease?

9 A. No,

10 Q. You just testified that you told the nurse to
11 check for a history of old stroke, is that
12 correct?

13 A. Yes.

14 Q. It was written all over the chart, doctor, isn't
15 that correct?

16 A. No.

17 MR. JACKSON: That's not what you
18 just asked.

19 MR. SCOTT: No.

20 Q. Have you learned from your review of the chart
21 that the chart indicates in a number of places
22 that he has a questionable history of
23 cardiovascular disease?

24 A. No.

25 Q. Do you want to explain your answer?

1 A. No.

2 MR. JACKSON: No.

3 Q. Are you distinguishing between cardiovascular,
4 CVA and cardiovascular disease in answering that
5 question?

6 A. No.

7 Q. Page 15 is part of the admitting history and
8 physical examination, is that correct, doctor?

9 A. Correct.

10 Q. Near the top where it says past medical history,
11 does it not state CVA?

12 A. Yes.

13 Q. What does CVA mean?

14 A. Cerebral vascular accident.

15 Q. Will you believe me, without me going through
16 the rest of this chart, that CVA is located in
17 numerous places in this chart?

18 A. If you tell me so.

19 Q. Okay. Did you see that when you reviewed the
20 chart subsequent to the May 21st incident?

21 A. Yes.

22 Q. I thought you just said a few minutes ago that
23 you didn't see that in the chart?

24 MR. JACKSON: You said
25 cardiovascular disease. That was the

1 question specifically.

2 Q. Is there a distinction between CVD and CVA?

3 A. Yes.

4 Q. What is that?

5 A. CVD increases the heart, for example, where we
6 knew this man had a definite old heart attack.
7 That's one difference.

8 Q. Cardiovascular, A, would mark the heart?

9 A. No, no that's --

10 MR. JACKSON: Cerebral there, CVA
11 stands for cerebral vascular.

12 Q. Excuse me.

13 A. That does include the heart.

14 Q. This CVA stands for what?

15 A, Cerebral vascular accident.

16 Q. And cerebral vascular accident is a remote --
17 strike that. Remote cerebral vascular accident
18 is a relative contraindication to TPA, isn't
19 that correct?

20 A. Yes. And if I had known about that, I would not
21 have prescribed the TPA, that's why I advised
22 the nurse to check for it.

23 Q. If you had known what, doctor, that it was in
24 the chart?

25 A. If I had known that the patient had had a remote

1 cerebral vascular accident, I would not have
2 prescribed the TPA.

3 Q. If you had seen it in the chart, you would not
4 have prescribed the TPA, is that correct?

5 A. I wasn't there to look at the chart.

6 If I had seen it in the chart, I would have
7 expected that it was there because it was true,
8 and if it was there, it was true, I would have
9 probably talked to the patient, but I would not
10 have given it, if there was any doubt in my
11 mind, if the patient was confused and couldn't
12 confirm or deny it, then I would not have given
13 it. Again, that's why I asked the nurse to
14 check for it specifically.

15 Q. Were you aware at the time you prescribed TPA
16 for Art Grasgreen that in numerous locations of
17 his hospital chart the words bleeds easily were
18 present?

19 A. I was not familiar with his hospital chart or
20 what was or wasn't in his chart at that time. I
21 was aware of what my conversation with the nurse
22 was and the conversation we had.

23 Q. You told the nurse to check for
24 contraindications, correct?

25 A. Including specifically old stroke, such as old

1 stroke or GI bleeding or peptic ulcer disease,
2 Q. In your review of the hospital chart since the
3 incident, did you notice where the chart
4 indicates bleeds easily?

5 A. No. I don't doubt you, but I just don't
6 recollect having seen it.

7 Q. Will then you believe me when I tell you that
8 including the nurse's notes, in three or four
9 different places it indicates that Mr. Grasgreen
10 bleeds easily?

11 A. I have no reason to doubt you.

12 Q. Had you been at the hospital and reviewed the
13 chart prior to administering the TPA, would you
14 have administered the TPA had you seen that Mr.
15 Grasgreen bleeds easily?

16 A. Probably, yes. But if I had seen CVA, no. I'm
17 drawing a distinction between the cerebral, the
18 old stroke and bleeds easy. A lot of people
19 bleed easily and this is not a contraindication,
20 not an absolute contraindication to that.

21 Q. However, Mr. Grasgreen was on Coumadin, isn't
22 that correct?

23 A. Correct.

24 Q. And that would be a, if a person bleeds easily,
25 that would be a known bleeding diathesis, isn't

1 that correct?

2 A. No.

3 Q. Were you aware when you prescribed TPA for Mr.
4 Grasgreen that he had once had a pulmonary
5 embolism?

6 A. I believe so.

7 Q. And did that have any affect on your thinking to
8 prescribe the TPA?

9 A. No. Just explains the reason for the Coumadin.

10 Q. Is that a bleeding diathesis, a pulmonary
11 embolism?

12 A. No.

13 Q. Would a venous thrombosis, a history of VT, be a
14 known bleeding diathesis?

15 A. No.

16 Q. When you prescribed TPA for Mr. Grasgreen were
17 you aware that he had a well documented history
18 of hypertension?

19 A. Yes.

20 Q. And did that have any affect on your thinking to
21 administer the TPA?

22 A. I would have asked what the blood pressure was
23 at the time. Again, if the nurse didn't tell me
24 at the time, I would have been aware of what his
25 blood pressure was then. That's the immediate

1 importance of hypertension.

2 Q. What's that, doctor?

3 A. One of the contraindications to TPA
4 administration is a markedly elevated blood
5 pressure at the time when you are administering
6 the drug.

7 Q. When you said markedly elevated, what would that
8 mean to you? I don't mean in Mr. Grasgreen's
9 chart, I mean what does a markedly elevated
10 blood pressure mean to you.

11 A. As defined on Page 27 by your numbers, severe
12 uncontrolled hypertension is a systolic blood
13 pressure greater than 180 and diastolic greater
14 than 110.

15 Q. And you say that's a thrombolytic guideline
16 sheet you just read from is based on some of the
17 older protocols, is that correct, doctor?

18 MR. JACKSON: What do you mean by
19 that?

20 Q. You testified earlier that the Meridia Hillcrest
21 Hospital preprinted thrombolytic therapy guideline
22 sheets were based on old, much of it was based
23 on old protocol, isn't that correct.

24 A. No.

25 Q. Doctor, the TPA bolus dose was first

1 administered at 6:40, according to the nurse's
2 note on Page 78, isn't that correct.

3 MR. JACKSON: Where are you on,
4 page 78?

5 MR. ZUCKER: At 6:40.

6 A. Yes. According to the note, it would indicate
7 that the orders were received around 6:30 and
8 that the dose was given around 6:40.

9 Q. On Page 89, part of the nurse's flow sheet, if
10 you would.

11 A. This, of course, all assumes the accuracy of the
12 times written down by the nurse, because I have
13 no direct recollection.

14 MR. JACKSON: Page 89?

15 MR. ZUCKER: Yes.

16 Q. At 6:40 Mr. Grasgreen's blood pressure, as
17 reported by the nurse, was 179 over 94, correct?

18 A. As indicated on this flow sheet, yes, sir.

19 Q. You agree that that's a high blood pressure?

20 A. Yes, sir,

21 Q. Okay. You would agree that that would be a
22 relative contraindication to take into
23 consideration in making the determination to
24 prescribe TPA to Mr. Grasgreen?

25 A. No, sir.

1 Q. Okay. Doctor, you agree that older people are
2 more susceptible to bleeding, in general?

3 A. Yes, sir.

4 Q. Okay. And you agree that people with high blood
5 pressure have a tendency to bleed in their
6 brain?

7 A, Yes, sir.

8 Q. You agree that hypertension is the most
9 important risk factor predisposing someone to
10 cerebral hemorrhage or stroke?

11 A. I believe that's accurate.

12 Q. Okay. At the time you prescribed the TPA for
13 Mr. Grasgreen were you aware that in the 20
14 hours, approximately, that he was in the
15 hospital he had had some wide fluctuations in
16 his blood pressure?

17 A. I would have been aware that his blood pressure
18 had been up and down, but he was on IV
19 nitroglycerin which has a impact on blood
20 pressure.

21 Q Are you aware that when he was admitted to the
22 hospital his blood pressure at 10:10 was 195
23 over 96?

24 MR. JACKSON: Are you asking me if
25 we accept that?

1 A. I'm sorry. I thought you were going on.

2 Q. Are you not aware -- Page 12?

3 MR. JACKSON: Are we aware that's
4 on Page 12?

5 MR. ZUCKER: John.

6 MR. JACKSON: That's what you
7 asked.

8 Q. I asked if you were aware, upon admission you
9 were aware that his blood pressure was 195 over
10 96?

11 A. Yes.

12 Q. Okay. You were aware at the time of that, at
13 the time you prescribed the TPA?

14 A. No, I don't believe I was aware at the time.

15 Q. At the time that you prescribed the TPA are you
16 aware that shortly after his admission his blood
17 pressure was 193 over 115?

18 A. Maybe.

19 Q. Yes or no?

20 A. Yes or no?

21 MR. JACKSON: At what time?

22 A. I have no idea --

23 Q. Shortly after admission.

24 A. -- whether I was aware of any individual, one
25 individual blood pressure, other than the

1 specific blood pressure when I spoke to the
2 nurse, which I definitely was aware of. Yes, I
3 would have been aware of the range, general
4 range of his blood pressures, but to ask me
5 whether I knew a specific one at a specific
6 time.

7 Q. Dr. Van Dyke --

8 MR. JACKSON: Excuse me. Let him
9 finish his answer.

10 Q. Dr. Van Dyke, the nurse testified that he did
11 not review this chart, How could you have been
12 aware of blood pressures that Mr. Grasgreen
13 experienced during his admission?

14 MR. JACKSON: Wait a minute.
15 Didn't you say earlier that the nurse
16 indicated that portions of the chart by
17 bedside were reviewed by the nurse?

18 MR. ZUCKER: One portion was the
19 nurse's assessment sheet that is kept at
20 bedside.

21 MR. GAUGHN: I'm going to have to
22 object.

23 MR. ZUCKER: Of course.

24 A. There is a flow sheet kept at the bedside
25 generally that records blood pressures and those

1 blood pressures would have undoubtedly been
2 available to the nurse, and, indeed, part of it
3 you already referred to that the nurse is
4 actually written on, and a lot of those blood
5 pressures were written down by the nurse.

6 The nurse would have been aware of those
7 general blood pressures and I would have been
8 aware of those general blood pressures.

9 Q. Based on the blood pressures that we just
10 discussed from the time of his admission to the
11 moment before he received the TPA, would you
12 consider that to be a wide fluctuation in blood
13 pressures?

14 A. It's a substantial fluctuation in blood
15 pressures.

16 Q. Is a substantial fluctuation in blood pressure
17 over a 20 hour period a contraindication to
18 prescribing TPA for a patient?

19 A. Not if they are on a medicine which is bringing
20 their blood pressure down to acceptable ranges
21 and has already had that effect.

22 Q. What if they're taking that medicine yet they
23 are still experiencing the fluctuation in their
24 blood pressure?

25 A. Then you increase the medicine.

1 Q. And give the TPA?

2 A. If the blood pressure is controlled at the time
3 and the indications are there, yes, sir.

4 Q. Would you say that Mr. Grasgreen's blood
5 pressure was controlled at the time he received
6 the TPA?

7 A, Yes.

8 Q. Doctor, myocardial infarctions, I'm going to
9 refer to them as MIs or as MI to save time, are
10 typically diagnosed by two criteria, correct,
11 serial electrocardiographic findings and serum
12 enzymes, would you agree with that?

13 A. No, I do not agree with that.

14 Q. Tell me how they're typically diagnosed.

15 A. Usually you meet two. Those are two. The third
16 one is the history of the chest pain.

17 Q. Chest pain. Now, in regarding the enzyme
18 criteria, the CK and the CK enzyme and the
19 enzymal factors are of particular interest,
20 isn't that correct?

21 A. Correct.

22 Q. Now, as I indicated or as his chart states, Mr
23 Grasgreen was admitted to the hospital
24 approximately 10:00 p.m. the evening of May
25 20th, is that correct?

1 A. If you indicate that, I have no reason to doubt
2 you.

3 Q. The first enzyme test --

4 MR. ZUCKER: Which is located on
5 Page 114, gentlemen.

6 MR. JACKSON: Do you have a Page
7 47?

8 MR. SCOTT: I don't have that
9 either.

10 MR. ZUCKER: You don't have Page
11 47?

12 MR. JACKSON: I just noticed that.

13 MR. ZUCKER: None of you got that?

14 MR. GAUGHN: No.

15 MR. ZUCKER: Off the record.

16 - - - -

17 (Thereupon, a discussion was had off
18 the record.)

19 - - - -

20 MR. ZUCKER: Mr. Jackson would like
21 to make a statement.

22 MR. JACKSON: Page 47, we didn't
23 have the copies that he referred to
24 earlier, and apparently it doesn't contain
25 anything but I don't want any confusion

1 there.

2 A. I now have in front of me Page 114 and your
3 notation that lists CPK values on Mr. Arthur
4 Grasgreen.

5 Q. Okay. Now, the first enzyme laboratory
6 examination was done at approximately 10:39, is
7 that correct, on the evening of the 20th?

8 MR. JACKSON: You are referring to
9 .. okay.

10 A. Referring to this page that is the, that is the
11 first lab recording on this page. That is
12 correct.

13 Q. So Mr. Grasgreen is admitted at 10:00. The
14 first enzyme laboratory examination is done at
15 10:39?

16 A. Correct.

17 Q. What was the result of that first laboratory
18 examination?

19 MR. JACKSON: What, in what
20 regard?

21 Q. What was the result?

22 MR. JACKSON: Result of what?

23 Q. What were the findings of the first enzyme
24 laboratory test?

25 MR. JACKSON: Which enzyme are you

1 talking about?

2 MR. ZUCKER: There is one done,
3 CK.

4 A. That's not true. There was more than one done.
5 The initial CK value was normal on May 20th at
6 2239.

7 Q. The MB wasn't tested, isn't that correct,
8 doctor?

9 A. That's not correct, That's not correct. It
10 would have been ordered, it may have been run,
11 but the policy of the lab is they don't report
12 out MB fraction if the total CK is less than
13 100.

14 Q. They don't fractionate the CK, they don't
15 fractionate the CK if it's less than 100, right?

16 A. All I'm saying is I'm not familiar with the
17 modus operandis in the lab. Often times you
18 don't report out a value but the machine spits
19 it out because it's part of a battery in there.

20 Q. Doctor, based on your experience --

21 MR. SCOTT: Let him finish.

22 A. I have, the CK-MB value was not recorded at that
23 time and indeed would have been irrelevant at
24 that level of total CK, even if it had been
25 reported.

1 Q. I understand what you are saying. The fact is
2 based on your experience most hospital
3 laboratories will not fractionate a CK where the
4 CK is less than 100, isn't that correct?

5 A. Yes, sir.

6 Q. Let's look at the next examination of
7 Mr. Grasgreen's enzymes that occurred on 5-21 at
8 5:13 in the morning, correct?

9 A. As judged by this list, yes, that's correct.

10 Q. And what were the findings of that examination?

11 A, There is a CK value listed as a total value of
12 103, which is a normal value.

13 Q. Okay. And the CK -- the CK-MB?

14 A. And the CK-MB at 0513, the total CK-MB was 6.0
15 which is at the upper limits of normal, what's
16 called the CK index, which was a ratio, was
17 abnormally elevated at 5.8.

18 Q. Was that high abnormal?

19 A. Yes, sir. It's elevated and suggestive if not
20 indicative of some myocardial damage.

21 Q. And the next examination was done on 5-21 at
22 1101, correct?

23 A. As judged by this, yes.

24 Q. And findings of that examination?

25 A. Now the total CK-MB is elevated, as well as the

1 CK index. Lot total CK is still normal.

2 Q. By enzyme criteria do you think Mr. Grasgreen
3 had a myocardial infarct between 5-20, between
4 5-20-93 and 5-21-93?

5 A. I'm not totally familiar with all the other
6 aspects going on at that time. I would
7 interpret this as highly indicative of
8 underlying symptomatic coronary disease, if
9 given a patient as Mr. Grasgreen was having
10 chest pain.

11 There is some debate, and, again, I don't
12 mean to be picky, but I like to be accurate.
13 There is some debate in the literature if the
14 total values are normal and there is just a very
15 slight elevation of the MB ratio whether you
16 have some enzyme liberation from some damaged
17 cells but they will heal up and there will be no
18 permanent damage.

19 Q. No necrosis?

20 A. No, no necrosis. Or whether some cells,
21 actually a few cells actually die, which is what
22 we call heart attack so I would interpret this,
23 if you will, as a teensy, tiny --

24 Q. Micro infarct?

25 A. A micro infarct or a bad angina.

1 Or you are going to catch it early and it
2 will continue to go up, and you see evidence of
3 a larger infarct.

4 Sometimes we don't see it for hours after
5 the initial event.

6 Q. We already discussed the EKG findings in this
7 case, coupled with the EKG finding -- strike
8 that.

9 Taking the EKG findings and the enzyme
10 criteria, the enzyme laboratory examination by
11 those two criteria, it's highly doubtful that
12 Mr. Grasgreen suffered a myocardial infarct
13 between May 20, '93 and May 21st, isn't that
14 correct?

15 A. I thought we just said he may have had a micro
16 infarct. So the answer to your question is no,
17 it's not correct, I disagree with you.

18 Q. He may have had a micro infarct?

19 A. He may have had a micro infarct.

20 Q. And would you say, doctor, that that was
21 apparent all along -- strike that.

22 Would that have been apparent all along to
23 a physician who had been at the hospital and who
24 had reviewed this chart?

25 MR. JACKSON: What would have been

1 apparent?

2 Q. That if he had a infarct at all, it was a micro
3 infarct.

4 A. Okay. At that time? No, it wouldn't have been
5 apparent because these you check, first of all,
6 it's not all along because he didn't have all
7 those values all along. They come in over a
8 period of time, and if you pick a moment in time
9 and look at it, you can say that maybe all of
10 these are going to continue up and I'm going see
11 the big elevation of the CPK in 6 more hours or
12 in 12 more hours, so at that time you, one would
13 not know that.

14 Q. It would have the appearance as if it was a
15 small infarct if at all, though, correct?

16 MR. SCOTT: Objection.

17 A. Assuming they went no higher, that's how it
18 would appear, but that's an assumption that
19 wouldn't be known at that time.

20 Q. Doctor, from your review of the chart are you
21 aware that Arthur Grasgreen had no chest pains
22 from the time he was admitted into the hospital
23 until 5:40 the evening of the 21st?

24 A. I'm not directly aware of that, but again, I
25 have no reason to doubt you if you tell me

1 that.

2 Q. Well, if you take into consideration that that's
3 the third criteria typically use to diagnose MI,
4 along with enzyme laboratory findings and EKG,
5 he would have, a doctor would have a very low
6 level of suspicion for MI in this case, isn't
7 that correct?

8 MR. JACKSON: During what period of
9 time?

10 Q. During the period of time from the time he was
11 admitted on the 20th until the evening of the
12 21st at approximately 5:40, 5:30?

13 A. Again, I disagree with that statement. I
14 believe these are consistent with a very bad
15 angina or a micro infarct. If we, to try and be
16 helpful here, if you are talking, to talk about
17 a new event from the time he came in, as opposed
18 to an event that occurred, that indeed prompted
19 his admission, that's part of my distinction
20 here. He may well have had a micro infarct as he
21 was being admitted then, with no additional new
22 damage between the time of the admission and the
23 event we are now talking about.

24 Q. You certainly wouldn't have prescribed TPA for
25 Mr. Grasgreen at the time of admission, is that

1 correct?

2 A. I wasn't there at the time of the admission.

3 Q. Based on the chart.

4 A. I don't feel that I have adequate information
5 from the chart to answer that question.

6 Q. You have looked at the EKGs, you have looked at
7 the enzyme laboratory findings and you have
8 taken my word for the fact that there was no
9 chest pain. Now, you certainly wouldn't have
10 risked giving him TPA upon admission, isn't that
11 correct, doctor?

12 MR. JACKSON: He was admitted with
13 chest pain, was he not?

14 Q. He had it in the ambulance. They gave him
15 nitroglycerin. He gets to the hospital and the
16 first thing he says is I'm fine. I have no
17 pain. I want to go home. And he doesn't
18 complain again until 5:40 on the 21st, correct,
19 doctor?

20 A. Again, I don't know the time, but I'll take your
21 word for it.

22 Q. Then you certainly would have given him TPA upon
23 admission, isn't that right?

24 A. I wouldn't have given it to him because of the
25 history of the stroke, which hopefully takes

1 care of that.

2 There is other information. His EKGs, as
3 we talked about, could be interpreted as either
4 an acute heart attack or they can be interpreted
5 as an old infarct with an aneurysm.

6 I have been told subsequently by Dr.
7 Grinblatt that this man had had an old attack
8 and it is in the records he had had an old heart
9 attack, but I was not sent the old EKGs to
10 compare them to these.

11 Q. Okay. Let's take a look at that EKG now. I
12 have the one or two EKGs. Page 56, Page 55 and
13 Page 56 are EKGs that were taken during Arthur
14 Grasgreen's hospital admission after his heart
15 attack in 1986, Pages 55 and 56.

16 A. I have those pages in front of me. I'm just
17 looking for the date on them.

18 Q. Sure. Take your time.

19 A. But again, I'll trust you if those were done in
20 1986 you said?

21 Q. They are dated right here. Page 56 talks about
22 11-13-86.

23 A. Again, that's referring back, it says there have
24 been changes since 11-18. That doesn't tell me
25 the date.

1 Q. It's marked 11-18?

2 A. The '86 is not there, but during the time --

3 MR. JACKSON: In writing?

4 MR. ZUCKER: Yes, this was given to
5 me by the hospital.

6 A. I see all that you are referring to. If you
7 tell me it's '86, I'll believe it.

8 Q. Now, you were available --

9 A. I can't independently come to that conclusion
10 from what you have handed me.

11 Q. That's fine. Hypothetically these are EKGs from
12 the admission during his, during his admission
13 from his heart attack in 1986. Now, what were
14 you saying before about you didn't have his EKGs
15 from 1986 so you couldn't tell whether or not it
16 had anything to do with his EKGs in 1993?

17 A. You were asking me a hypothetical question if I
18 had been in his presence when he first came into
19 the emergency room.

20 Q. Correct.

21 A. All I was indicating was in part of my
22 determination about whether he should get TPA,
23 which I would not have given anyway because of
24 the stroke, but if I didn't have the history of
25 the stroke, one of the things I would want to do

1 was to look at his old ~~SKG~~ and his new ~~SKG~~

2 Q Is that the only reason you wouldn't have given
3 Arthur Grasgreen ~~MPA~~. Because of that stroke?

4 A Which time are we talking about, the
5 hypothetical when he first comes in or when I
6 eventually give it to him?

7 Q At the time you prescribed the MPA -

8 A Yes.

9 Q -- for Mr. Grasgreen.

10 A Okay Was that the only reason? No, I already
11 told you I believe I dictated to you before that
12 the lack of new M changes from that morning was
13 what inspired me to want to soap it early
14 because it wouldn't fulfill my criteria

15 Q But were there any factors in his medical
16 history, present medical condition?

17 A The past --

18 Q Other than the past stroke this would have
19 presented you from prescribing the MPA?

20 A There are many potential possibilities none
21 that I'm aware of right now.

22 Q This case, in this case --

23 A Add without going pag. by page through the
24 record and reading it in great detail

25 Q Have you seen at the hospital on May 21st, the

1 day you prescribed TPA for Arthur Grasgreen, had
2 you reviewed the medical chart, the only reason
3 you wouldn't have given him TPA was because of a
4 history of stroke, is that your testimony?

5 A. No, that's not my testimony.

6 Q. Well, then, explain it to me.

7 A. Okay. For the third or fourth or fifth time,
8 the lack of EKG change from the morning.

9 Q. Besides that.

10 MR. JACKSON: Besides everything
11 else? Besides.

12 Q. Excuse me, my question was in his medical
13 history or medical condition, correct?

14 A. The EKG is part of his medical condition.

15 Q. Was there anything in his medical history
16 besides stroke?

17 A. Again, if I would, if you would like me to
18 reread the chart and look for it, to my current
19 remembrance those were the two major factors and
20 since either one of them would have been enough
21 to leave me not administer it, I find it a moot
22 point.

23 Q. What's the difference between a transmural and
24 nontransmural MRI?

25 A. A transmural MRI are usually associated with

1 Q-waves, which is an EKG findings. It tends to
2 be a larger heart attack, although it's not
3 always the case, and it often is what they call
4 through and through heart attack, going from the
5 inside all the way to the outside of the heart.

6 Now, in general usage we make that
7 distinction based on the EKG, although
8 pathologically there is not a complete
9 concordance.

10 Q. And a nontransmural?

11 A. I'm sorry, a nontransmural would be a partial
12 thickness of the heart which is usually not
13 associated with Q-waves on the EKG.

14 Q. Do you have an opinion with a reasonable degree
15 of medical probability as to whether it is more
16 likely than not that if Arthur Grasgreen had not
17 received TPA, he would not have suffered a
18 cerebral hemorrhage? First, do you have an
19 opinion?

20 A. Yes.

21 Q. What is your opinion?

22 A. That he would not have had the hemorrhage if he
23 had not received the TPA.

24 Q. What is the basis for your opinion?

25 A. Because it's well described in the literature

1 that bleeding is a complication of TPA and the
2 most devastating one is intracerebral or
3 intracerebral hemorrhage. It's well described
4 in the literature, and it is since temporally
5 these events were related, it then becomes
6 likely that there was a causative relationship.

7 Q. Okay. Doctor, do you have an opinion with a
8 reasonable degree of medical certainty as to
9 whether the TPA that Arthur Grasgreen received
10 was the cause of the cerebral hemorrhage which
11 he caused? First, do you have an opinion?

12 A. You want to define what you mean by cause?

13 Q. Was it the competent producing cause of his?

14 A. He would not have had it without the TPA.

15 Q. So it is your opinion that the TPA caused the
16 cerebral hemorrhage, is that correct?

17 A. He would not -- he could have had a small leak
18 in the vessel that wouldn't have been a problem
19 without the TPA.

20 Q. Based upon a reasonable degree of medical
21 probability?

22 A. Yes, sir.

23 Q. It was your opinion that the TPA was the
24 competent producing cause of Arthur Grasgreen's
25 cerebral hemorrhage?

1 MR. JACKSON: He is trying to
2 answer that question.

3 A. I'm not sure of the legal definition of
4 competent producing cause. I think without the
5 TPA he would not have had the cerebral
6 hemorrhage. It was a direct causative
7 relationship.

8 Q. Okay. Doctor, were there any alternative
9 methods of treatment available to you besides
10 the TPA at the time you had to make that
11 decision?

12 A. Yes.

13 Q. And what were they?

14 A. Flying him or transporting him by land ambulance
15 emergency to a hospital where we could have done
16 an emergency cardiac catheterization.

17 Q. What type of catheterization would you have
18 done?

19 A. I would have gone in to do an angiogram of the
20 vessels of his heart and to see if a balloon
21 angioplasty might open up the occluded vessel.
22 This, of course, all presupposes that there
23 really was ST changes which I don't believe there
24 were.

25 Q. Now, had you known about the questionable

1 cerebral vascular history, would you have taken
2 that measure you just described to me?

3 A. That would have been one of my options. Again,
4 I would have wanted to look at the EKG. I
5 probably would have taken a little bit more time
6 to see how he was responding and it is likely I
7 would have, almost definitely I would have
8 talked if not to him, to his wife by phone,
9 probably to his wife by phone or direct family
10 members, because sometimes families request if
11 their parents are being moved, that they go to a
12 specific hospital, rather than staying
13 necessarily with our group at the hospitals
14 where we go.

15 Q. Were you aware at the time that you prescribed
16 TPA for Arthur Grasgreen that the nurse had
17 indicated his chest pains were two to three on a
18 scale of one to ten?

19 A. I would have been familiar with the degree of
20 the chest pain.

21 Q. And that's not a real high degree of pain, is
22 it?

23 A. As sensed and described by the patient, that is
24 correct. You can have heart attacks without any
25 pain, by the way, or very mild amounts of pain,

1 you can have severe and life threatening
2 attacks.

3 Q. Sure.

4 A. Going back to a prior answer would have been the
5 placement of an intraaortic balloon pump.

6 Q. Which would have been an invasive procedure,
7 correct?

8 A. That's another different type of invasive
9 procedure from a catheterization and a coronary
10 angioplasty.

11 Q. Hillcrest Hospital has a cath lab available, is
12 that correct?

13 A. We have a cath lab but we do not have the
14 ability to do cases like this.

15 Q. In other words, a low risk cath lab, is that
16 correct?

17 A. That is correct.

18 Q. What would you have done had you been at the
19 hospital while all of this was going on, what
20 course would you have followed?

21 A. I would have talked to the patient, I would have
22 examined the chart, I would have looked at the
23 EKGs myself. The likelihood, and again I'm
24 speculating, but I never did get to ask the
25 patient how much pain he was having personally,

1 but with - -

2 Q. But the nurse told you, correct?

3 A. Yes.

4 Q. I mean, doctor, you already testified you
5 wouldn't have given him TPA if you were there,
6 based on the documents. What would you have
7 done?

8 A. The likelihood is I would have put his
9 nitroglycerin up to higher doses. I may well
10 have given him some sublingual Procardia.

11 I would have talked to him and his wife
12 about transferring him to a hospital that had
13 the ability to do balloon angioplasty, if
14 indicated, and if the patient and the wife had
15 agreed I would have eventuated, I mean I would
16 have made that transfer.

17 That would not have committed us, by the
18 way, to the angioplasty, because it takes time
19 to transfer him and you reassess them all along
20 the way.

21 Q. Doctor, don't you think it would have been good
22 medicine to have a doctor examine Mr. Grasgreen
23 and review his chart and discuss his history and
24 his symptomatology at the time this crisis
25 occurred?

1 MR. JACKSON: That was asked and
2 answer, I believe.

3 Object, but go ahead, doctor.

4 A, There is a matter of time involved. Okay. I
5 knew certain facts. I knew that if he was
6 having an acute heart attack with a major
7 anterolateral ST elevations, that the longer I
8 waited the greater likelihood that he would be
9 dead. Okay. So whatever I'm doing has to be
10 done expeditiously, if it's going to have a
11 chance to help him.

12 Q. Well, that's all the more reason --

13 A. It takes time to do all these things. The
14 doctors who are there in that hospital at that
15 hour and are available to me are not trained
16 cardiologists as I am. I had access to my
17 partner's notes and the history from the nurse,
18 as indicated to me by the nurse, that the
19 patient had had an old heart attack. I had
20 access.

21 Q. Wait. You testified that you did not have
22 access to your partner's old notes and never
23 discussed the case with him, isn't that correct?

24 A. My partner's -- that's why I started to change
25 my answer there. As indicated to me by the

1 nurse, as indicated to me by the nurse that we
2 knew this man had an old heart attack. Okay.
3 So I knew he had coronary disease. I knew that
4 my partner was treating his coronary disease. I
5 knew this man was having chest pain.

6 Q. Did you know he had high blood pressure?

7 A. I knew his blood pressure, I would have been
8 aware of the blood pressure range at that time.

9 Q. From the time of his admission or the time of
10 his --

11 MR. JACKSON: We've been through
12 all this.

13 Q. Or the call from the nurse?

14 A. And he described that earlier, too.

15 Q. It's in a different context?

16 A. I could do it again.

17 MR. ZUCKER: I'm not badgering
18 him.

19 A. I would have been aware specifically of the
20 blood pressures that were at the time that I was
21 talking to the nurse and I would have been aware
22 of the general range of those, at least that day
23 and the ones in front of the nurse that the
24 nurse had access to.

25 Q. Okay.

1 A. I would not have been necessarily aware of what
2 it was at the time of admission. Okay. And
3 I've lost my line of --

4 Q. In all likelihood, doctor, if a trained
5 cardiologist had been present during this
6 crisis, Mr. Grasgreen would still be alive,
7 isn't that correct?

8 MR. JACKSON: Objection.

9 MR. GAUGHN: Objection.

10 A. Again, I think he was probably starting to have
11 a heart attack and it's speculation whether he
12 would have died from the heart attack without
13 the TPA, The TPA was taking the pain away.

14 Q. From the heart attack?

15 A. Consistent chest pain and because we have
16 evidence by the MB fractions that we just went
17 through that there was evidence of an actual
18 myocardial event taking place.

19 Q. But you don't give TPA to a high risk person
20 who's having a small myocardial infarction,
21 doctor?

22 A. I would not have given TPA to this gentleman.

23 Q. The risks were too great for the potential
24 benefit, right?

25 A. That is correct.

1 Q. Doctor, what is your home address, please?

2 A. 2504 Marlboro Road, Cleveland Heights, Ohio,
3 44118. I have a copy of my CV here, if that
4 would help on some of these questions.

5 Q. You know, it would save a lot of time.

6 MR. ZUCKER: Jim, would you mind?

7 MR. JACKSON: No, I've got it right
8 here.

9 Q. You are board certified, doctor, is that
10 correct?

11 A. Yes, sir.

12 Q. When did you become board certified?

13 A. 1981, I believe.

14 Q. What's your birth date?

15 A. 11-23-49.

16 Q. By what organizations are you certified?

17 A. American Board of Internal Medicine.

18 Q. Did you pass your written examination the first
19 time you took them?

20 A. Yes.

21 Q. Did you pass the second part of the
22 certification process the first time?

23 A. Yes, sir. I'm not sure what you mean by the
24 second part of the certification. Everything I
25 took I passed the first time.

1 Q. The interview process.

2 A. There wasn't an interview process.

3 Q. Oh, there wasn't?

4 MR. ZUCKER: Off the record.

5 - - - -

6 (Thereupon, a discussion was had off
7 the record.)

8 - - - -

9 MR. ZUCKER: Back on the record.

10 Q. Doctor, have you ever had your medical license
11 suspended or revoked as a result of your medical
12 practice?

13 A. No, sir.

14 Q. Has the care that you have ever rendered to a
15 patient been subject to review by your peers?

16 MR. JACKSON: You don't have to
17 answer that.

18 MR. GAUGHN: Objection.

19 MR. ZUCKER: Just the fact of
20 whether or not it ever has, that's
21 admissible.

22 MR. JACKSON: You don't have to
23 answer that.

24 MR. ZUCKER: Why not?

25 MR. JACKSON: I don't think it's

1 an appropriate question.

2 MR. ZUCKER: You know the case, I
3 gave it to you.

4 MR. GAUGHN: I don't think -- I
5 didn't look it up. Give us the cite again.

6 MR. ZUCKER: That's okay.

7 Q. Doctor, you have been sued before, isn't that
8 correct?

9 MR. JACKSON: Objection, but you
10 may answer.

11 A. That's correct.

12 Q. I didn't hear the doctor's answer.

13 A. That is correct.

14 Q. And in two or three of those suits the end
15 result was the death of a patient, is that not
16 correct?

17 MR. JACKSON: Objection, but you
18 may answer.

19 A. There is one that I bring to mind immediately
20 where the patient died months afterwards of
21 pneumonia.

22 Q. Tell me the allegations of the complaints, if
23 you would, in that case.

24 A. There was a patient upon whom I was performing a
25 coronary angioplasty as of the lab at University

1 Hospitals and the patient had a successful
2 coronary angioplasty but then developed bleeding
3 related to the insertion of the sheath,
4 technically, into his groin which a cardiology
5 trainee had inserted. Because of that he bled
6 and he dropped his blood pressure and then he
7 occluded his blood vessel and he went to the
8 operating room and after a very long and
9 extensive process died of his lungs.

10 Q. Didn't, in fact, one of those cases that you
11 have been sued on also, another one of those
12 cases that you have been sued on occur in the
13 cath lab?

14 MR. JACKSON: Excuse me. This
15 doctor is not a party to this lawsuit. He
16 is here strictly as a fact witness. It's a
17 serious question whether you have any right
18 to actually cross-examine him. I let you
19 ask just about any question you want.
20 Given that setting, how are any of these
21 questions relevant to what you are here for
22 today?

23 MR. ZUCKER: I'm not going to argue
24 with you at this time.

25 MR. JACKSON: I'm not interested

1 in arguing either.

2 MR. ZUCKER: I'm going to reserve
3 the right to call the doctor back for
4 deposition if and when he is a party to
5 this lawsuit and we can ask him those
6 questions at that time.

7 MR. JACKSON: But, I mean, to go
8 through his history of cases that have been
9 filed against him, if you tell me how
10 that's relevant.

11 MR. ZUCKER: John, I think the
12 doctor may have a habit of practicing
13 casual medicine and I think that's the
14 relevance as far as this deposition is
15 concerned. I don't say habit, but on
16 occasion the doctor has practiced some
17 casual medicine which has resulted in a
18 number of deaths. One of which, one of
19 whose was Arthur Grasgreen.

20 But again, I reserve the right to
21 recall him if and when he becomes a party
22 to the lawsuit. And I'll defer from asking
23 him any of those questions at this time.

24 MR. JACKSON: Okay.

25 THE WITNESS: May I confer with my

1 lawyer?

2 MR. JACKSON: That's all right,
3 doctor. That was an insulting comment he
4 made to you and I appreciate that, but we
5 will address that later.

6 Q. Doctor, you have taken your required continuing
7 medical education courses, is that correct, over
8 the years?

9 A. Yes.

10 Q. Have you taken any courses that included the
11 subject matter thrombolytic agents?

12 A. Yes.

13 Q. Have you taken any recently?

14 A. I would have to check my records, but if you
15 take as recently as the last couple years, yes,
16 and I read continuously on this matter.

17 Q. Do you recall what courses in thrombolytic
18 agents you have taken in the last couple years?

19 A. There was a Boston course I know I went to.

20 Q. In Boston?

21 A. In Boston.

22 Q. Who sponsored that?

23 A. These were all certified for CME and I don't
24 recall exactly who sponsored it. I also attend
25 when I go to the American Heart Association and

1 American College National meetings, I virtually
2 always go to courses where thrombolytic therapy
3 is discussed and talked about and that would
4 have definitely been within the last year or
5 two.

6 Q. Do you save your literature from these courses
7 normally?

8 A. Some, but not most of it.

9 Q. Okay. You just talked about keeping up with the
10 medical literature in this area, correct?

11 A. Correct.

12 Q. Which of the major studies have you read in
13 recent, in the last couple years?

14 A. If you would like, in five seconds I can pull
15 from my office a two or three inch thick stack
16 of them.

17 Q. Let me ask you, have you ever read the TIMI
18 research group investigation studies?

19 A. Yes, I read some of TIMI.

20 Q. Some of them?

21 A. I believe there are up to five of them now.

22 Q. But you definitely read phase one, phase two?

23 A. I read several of them, if not all.

24 Q. The Gusto trial studies?

25 A. Yes, definitely I read that.

1 Q. You read that in its entirety?

2 A. At one point or another I have had the entirety
3 in front of me, whether I read absolutely every
4 word in it or skipped over portions, I don't
5 know.

6 Q. The ISIS studies?

7 A, Again, there were several and I'm familiar with
8 several of them,

9 Q. Do you know specifically if you read two and
10 three of those?

11 A. I'm sure if I haven't read them, I have at least
12 read the summaries of them and I probably have
13 read them and have the actual articles in my
14 files, if you would like me to bring them out.

15 Q. Not at this time. Thank you.

16 Are there any particular authors who you
17 consider to be authoritative in the area of
18 thrombolytics?

19 MR. JACKSON: Define authoritative
20 as you mean it.

21 A. The answer is no.

22 MR. JACKSON: Never mind. You
23 don't have to define it.

24 Q. I don't have to define it.

25 Doctor, I apologize to you for what Mr.

1 Jackson referred to as an insulting comment
2 which wouldn't have been made would he have not
3 precipitated the conversation.

4 MR. JACKSON: Let me respond to
5 that, Mr. Zucker. Normally that's fine to
6 do but to sit in a doctor's office or in a
7 deposition and say to a doctor that he
8 performs casual medicine which has killed
9 people is really a very insulting thing and
10 I think that's very wrong to do that to
11 him.

12 MR. ZUCKER: I apologize.

13 MR. JACKSON: He is a good doctor
14 and saying something like you're mad at me
15 is one thing, but to do that to him is just
16 not right.

17 Don't say anything, just answer the
18 question,

19 Q. You have been practicing cardiology since what
20 year, doctor?

21 A. Well, I completed my training in 1980. I would
22 have been in my training between 1978 and '80 in
23 cardiology and between 1975 and '78 in internal
24 medicine and for four years prior to that in
25 medical school but would have been dealing with

1 cardiac cases during that training period,

2 Q. You have a great deal of experience in dealing
3 with thrombolytic agents, is that correct?

4 A. Yes.

5 Q. How often do you use TPA -- strike that.

6 How often in the last 90 days have you used
7 TPA?

8 A. Although I can't give you an exact number, I
9 have used it two or three times this week and
10 that's not that unusual.

11 Q. So would you say annually on the average you use
12 it two to three times a week?

13 A. Probably not over the entire year. And I'd say
14 anywhere between 25 and 75, I really don't know,
15 but --

16 Q. Have you ever had a patient develop a bleeding
17 such as Mr. Grasgreen as a result of
18 thrombolytic agents being used?

19 A, Not to my current recollection, although some
20 other cardiology physicians I'm aware of
21 certainly have and I'm aware of those cases.

22 Q. Are you aware of any of those cases that took
23 place at Meridia Hillcrest Hospital?

24 A. Yes.

25 Q. And when?

1 A. I can't tell you exactly.

2 Q. In the last year?

3 A. I've only been at Meridia Hillcrest five years.

4 Q. The last five years?

5 A. So it would have been there the last five years.

6 Q. What is the name of that cardiologist who you
7 referred to as having had a problem with a
8 patient developing the cerebral hemorrhage?

9 MR. JACKSON: You don't to have
10 answer that.

11 Q. Doctor, do you have any criticism of the care
12 and treatment that was rendered to Arthur
13 Grasgreen by Omar Jordan on May 21st, 1993?

14 MR. JACKSON: Objection. But you
15 may answer, doctor.

16 A. Yes.

17 Q. And would you tell me what your criticism is?

18 A. I should have been informed and he should have
19 been aware of the fact that this man had had an
20 old stroke.

21 Q. Any other criticism?

22 A. Based on my knowledge, my direct knowledge, no.
23 Based on some of the things you have said to me
24 today, perhaps, although I'm not assert in
25 nursing practices.

1 Q. Do you have any criticism, doctor, directed
2 toward the hospital regarding the care and
3 treatment rendered to Arthur Grasgreen during
4 his admission of May 20th to May 22nd, 1993?

5 MR. JACKSON: Objection, but you
6 may answer.

7 A. If you are asking relative to the house doctor,
8 yes. If are you asking -- I'm not sure what
9 you're asking in terms of the hospital itself.

10 Q. I wasn't asking that question. I was, I am
11 asking the question directed toward the hospital
12 and any of their employees.

13 A. With reference to this case?

14 Q. Yes.

15 A. My concerns? Yes, the house doctor is one of
16 their employees.

17 MR. SCOTT: Objection.

18 Q. Well, can you tell me what criticism you have of
19 the house doctor in this case?

20 MR. SCOTT: Objection.

21 MR. JACKSON: Objection. You may
22 answer.

23 A. Assuming what I was told was correct by Omar,
24 the nurse, in my opinion, as we discussed
25 earlier, the house physician misinterpreted the

1 EKGs.

2 Q. Which was a major factor in leading you to
3 prescribe TPA for Art Grasgreen, correct?

4 A. Correct.

5 Q. The fact that the nurse, Omar Jordan, didn't
6 tell you that the chart included reference to a
7 previous stroke was also a precipitating factor
8 to you prescribing TPA, is that correct?

9 MR. GAUGHN: Objection.

10 A. Again, to rephrase it, but I think to answer
11 your question, I would not have given the TPA if
12 Omar had told me about that information and I
13 consider that he should have been aware of that,
14 should have told me of that and should have made
15 that known to me. And the explicit orders above
16 and beyond the checklist from me saying that if
17 this man had had an old stroke, I would not give
18 the TPA.

19 MR. ZUCKER: I have no further
20 questions at this time.

21 MR. JACKSON: These gentlemen may
22 have some questions.

23 MR. GAUGHN: Let's take a break.

24 - - - -

25 (Thereupon, a recess was had.)

CROSS-EXAMINATION OF ARTHUR E. VAN DYKE, M.D.

QY MR. SCOTM:

Q Doctor, let me just ask you a few questions first.

A Sure.

Q I represent Dr. Chentow, actually Physician Staffing, Inc

Will you tell me if you agree with the interpretations of the EKGs which are contained in the chart here, those of May 20th and May 21st?

MR JACKSON: Those are which numbers?

MR ZUC ER: 46 to 56

4 I think there was one on the 20th and there were three on the 21st Which ones are we talking about now?

MR JACKSON: That's what I'm trying to find out

A I have May 20th in front of me

Q. Will you tell me if you agree with that interpretation?

MR JACKSON: So we agree, what number?

1 THE WITNESS: Page 46.

2 MR. SCOTT: Correct.

3 MR. JACKSON: Okay. That's 46.

4 The question was whether you agree with the
5 computer interpretation, is that what
6 you're asking?

7 MR. SCOTT: Correct.

8 A. There is a computer and a typewritten addendum
9 under Dr. Nickel's signature and I'm trying to
10 read the whole thing because there are two
11 interpretations of this simultaneously, one that
12 was physician generated and one computer
13 generated.

14 Q. Can you indicate to me which was physician
15 generated?

16 A. My presumption is the lower one was physician
17 generated.

18 Q. Beginning with sinus rhythm?

19 A. Correct.

20 Q. I can't say that with 100 percent certainty at
21 this time but that is what I believe.

22 A. I do disagree with that,

23 Q. In what respects?

24 A. The main one as it is reads here as Q-waves and
25 V1 through V4 with ST elevation, that I agree

1 with.

2 It says, "Now on this EKG there are changes
3 of an acute anteroseptal wall myocardial
4 infarct," as I testified earlier. This could be
5 an old myocardial infarct with left ventricular
6 aneurism.

7 MR. ZUCKER: What page are we on?

8 THE WITNESS: We are on Page 46.

9 Q. Doctor, will you look at the EKG on May 17th?

10 A. May 17th?

11 Q. I'm sorry, it's actually May 21st at 5:17.

12 MR. GAUGHN: There was a 5:17 p.m.

13 and a 7 something a.m., which one are we
14 talking about?

15 Q. On page 48.

16 MR. ZUCKER: Both are on the
17 21st.

18 A. Which one do you want me to go through, the
19 morning one?

20 Q. Exactly.

21 MR. JACKSON: It's page 48.

22 A. Page 48, May 21st at 0717 hours. I do not
23 disagree with that.

24 Q. Will you look at the next one then on May 21st
25 at 5:50 in the morning?

1 MR. ZUCKER: In the afternoon?

2 A. There wasn't a 5:50 in the morning.

3 Q. I'm sorry. In the afternoon.

4 A. I disagree with that.

5 Q. In what respects?

6 A. Again, it reads acute anteroseptal wall MI.

7 Q. You believe it could as well be removed?

8 A. It could be old and indeed the fact that there
9 has been no change from the prior EKGs makes you
10 start thinking it's either very old or even
11 subacute and maybe has been there for several
12 days.

13 Q. Doctor, will you now look at your progress note?

14 MR. ZUCKER: Page 18.

15 A. Yes, sir, I have it in front of me.

16 Q. Where you indicate that there was a diagnosis of
17 acute interior MI with new changes since that
18 a.m. and more ST changes. Would you tell me
19 initially when you say with new changes what you
20 meant?

21 A. It meant specifically that the, I was told that
22 the house doctor had looked at the morning EKG
23 and the EKG taken during chest pain and he had
24 said that this was an acute heart attack, with
25 that, actually I didn't put it down here, I was

1 told that he said it looked quite large and it
2 was anterior wall and that it was, it showed new
3 changes from the morning.

4 Q. When you say with new changes, can you tell me
5 what you meant?

6 A. That there were, that the evidence of the
7 infarct, the ST elevations were new.

8 Q. The new changes means the ST elevations?

9 A. At least that they were higher than what they
10 were in the morning.

11 Q. Does your language of new changes mean anything
12 else besides the higher ST changes which you
13 implied?

14 A. It may have involved the T-waves, but I know we
15 specifically talked about the ST elevations. I
16 mean, I have direct remembrance of that with the
17 ST elevations. But again this wasn't with the
18 doctor.

19 Q. I understand that.

20 A. This is what the nurse told me the doctor said,

21 Q. I understand. All I really want to know when
22 you wrote new changes in this progress note what
23 you were referring to. Do I understand that
24 it's, that you were referring to an increase in
25 the ST?

1 A. Well, there are two parts to my sentence. It
2 says new changes since a.m. and more ST changes.
3 The ST changes refers to ST, the more ST
4 elevations. The new changes is that presumably
5 it was T wave inversion as well. I know I was
6 told that there were Q-waves but at this late
7 date I don't recall whether I was told the
8 Q-waves were all new from that morning or not.

9 Q. When you indicated that you were critical of
10 Dr. Chentow, you made the assumption or you made
11 your statement based upon the assumption of what
12 Omar Jordan told you was true?

13 A. Absolutely.

14 MR. SCOTT: That's all I have,
15 doctor. Thank you.

16 - - - -

17 CROSS-EXAMINATION OF ARTHUR E. VAN DYKE, M.D.
18 BY MR. GAUGHN:

19 Q. My name is Pat Gaughn, I'm the attorney for
20 Meridia. I promise --

21 A, Another four hours.

22 Q. Maybe one or two dozen.

23 What I would like to do is quickly go
24 through and ask you questions from my notes. It
25 may be repetitious, but I want to make sure my

1 notes are correct. I want to just go right
2 through this and get this over with.

3 Doctor, is it your testimony that if a
4 patient is suffering MI, a quick response is
5 crucial, maximizing the likelihood of preserving
6 longevity and quality of life?

7 A. That is my testimony.

8 Q. And in choosing which procedure is appropriate
9 to treat the condition there are a number of
10 things that a doctor must do, right, where you
11 stated you have, if you had been there you would
12 have examined him, you would have done an EKG,
13 taken a history, and if appropriate -- strike
14 that whole question.

15 Doctor, would you agree that the decision
16 to take a particular course of action to treat a
17 MI is done prospectively, not retrospectively?

18 A. I'm not sure what you mean by that.

19 Q. You don't know what all the information is when
20 someone is having a heart attack, correct?

21 A. That is correct. Time matters, time is of the
22 essence, and if you were to take the time to do
23 an absolutely complete history and physical,
24 people would be dying because of it.

25 Q. So if someone is having a MI, you have to take

1 whatever information is available that you are
2 aware of and make a decision based upon it,
3 correct?

4 A. You take relevant history that is available and
5 there are certain minimums that you need.

6 Q. And determining what's relevant is in somehow
7 coming to a decision when you have what I
8 believe you called adequate, an adequate
9 history?

10 A. Yes.

11 Q. And is it also your testimony that the process
12 of obtaining additional information, because it
13 takes time, can work to the detriment of the
14 patient?

15 A. Anything that takes time can work to the
16 detriment of the patient in that particular kind
17 of situation.

18 Q. I believe you also testified earlier, and if my
19 notes were reliable I wouldn't be asking, that
20 something about 30 minutes, a person has been in
21 constant pain for 30 minutes or more?

22 A. That's when you start having permanent cell
23 death in many patients.

24 Q. And when you were called in this case, more than
25 30 minutes had already passed?

1 A. Yes, and that's part of the reason why I
2 documented that in my notes and part of the
3 reason I acted as I did.

4 Q. So this would be possibly even more pressing to
5 make a decision?

6 A. Exactly. True.

7 Q. And I believe you also stated that when you
8 spoke with Nurse Jordan, you gave him a number
9 of things that you wanted to have done as
10 quickly as possible?

11 A. That's correct.

12 Q. And you would agree he was also under the same
13 time constraints of trying to act as quickly as
14 possible to preserve the health of the patient?

15 A. True.

16 Q. Now, earlier this afternoon, let me see if I can
17 ask this clearly. An easier way is just to ask
18 this as a hypothetical. I want you to assume
19 everything in this case, everything that you
20 know about this case is exactly as you testified
21 today -- strike that,

22 If you were presented with the situation
23 that you were presented with with Mr. Grasgreen
24 on May 21, 1993, where you have received a phone
25 call from a nurse saying it looks like a MI, you

1 would presumably give the exact same
2 instructions you gave to Omar on 5-21, correct?

3 MR. JACKSON: Are you asking if he
4 was given the same set of circumstances
5 today as he was that day, would he do the
6 same thing, is that what you are asking?

7 MR. GAUGHN: Right. Right. Yes.

8 Thank you.

9 A. Even in retrospect, and I think this will answer
10 your question, even in retrospect I am convinced
11 in my own mind everything I did was exactly
12 right. I couldn't have changed it or done
13 anything better. I think I did what needed to
14 be done and appropriately, and if I was given
15 the same information today I would acted exactly
16 the same way as I acted that evening.

17 Now, I have subsequently learned some other
18 things, but given the limited knowledge that I
19 had at that time, I would have given the same
20 instructions. If my instructions had been
21 carried out, the TPA would not have been given.

22 Q. In fact, didn't you also state there are some
23 cardiologists who in retrospect would still
24 prescribe TPA?

25 A. There may have been but it certainly wouldn't

1 have been me and since I was the one making the
2 decision at that night it would not have been
3 given.

4 Q. There are other cardiologists even in
5 retrospect?

6 A. There may have been,

7 Q. And would you agree with me that I think you
8 already stated retrospect didn't influence the
9 way you are making the decision, you are under
10 the gun and you have to make a decision to try
11 to save the person's life?

12 A. Time is of the essence, that is correct.

13 Q. If on 5-21, 1993 Omar Jordan, after you had
14 given him the instructions to be done came back
15 to you and said, look, I've talked to Mr. and
16 Mrs. Grasgreen and they both are alert,
17 attentive, you know, obviously Mr. Grasgreen is
18 having distress but he is certainly aware of his
19 surroundings and neither one of them says that
20 he has had a stroke; in other words, if you had
21 a situation where the patients were alert and
22 aware of the surroundings and verbally told the
23 nurse that there was no stroke, would that have
24 affected the treatment that you prescribed, the
25 TPA?

1 MR. JACKSON: Can I understand you?
2 Are you saying that after the initial call
3 he gets a second call from Omar Jordan
4 saying I've talked with these people and
5 they are telling me there is no stroke, is
6 that essentially what you mean?

7 Q. What I'm trying to do is make sure the record is
8 clear; that plaintiff's counsel has presented
9 the facts as he understands them and has left
10 out testimony from Nurse Jordan that, in fact,
11 he went to Mr. and Mrs. Grasgreen and, in fact,
12 they were alert and, in his opinion, could give
13 answers to the questions asked and he did, in
14 fact, follow through with your orders and asked,
15 have you ever had a stroke.

16 Now, my question is if that is the
17 evidence, would you have prescribed TPA?

18 A. Again, I want to answer indirectly. If I had a
19 patient that came into me in the emergency room,
20 I would not have waited for a chart to come from
21 medical records, I would not have asked are
22 there old records there. If I had a patient
23 that was alert and a patient even without his
24 wife, and they are oriented and their memory
25 seems intact and they told me there was no

1 evidence of old stroke and never had an old
2 stroke, I would believe them and I would still
3 give TPA if all other indications were clear and
4 accurate. Again, I'm not a specialist
5 in nurses --

6 Q. That's why I specifically, under the facts of
7 this case, you know, in the sense as we have
8 been discussing this afternoon, if Nurse Jordan
9 came in and said, well, they are alert, they are
10 oriented. They both say he hadn't had a stroke.

11 A. I mean. I would have been, expected him to be
12 familiar with the chart, if that's what you're
13 asking. I don't, again, I don't know --

14 Q. so you --

15 A. --what your asking.

16 Q. You don't know what you would do?

17 A. I really don't, don't, I'm not --

18 MR. JACKSON: Excuse me. The
19 question that you are asking seems to be
20 there were certain instructions, that you
21 were suggesting he carry out those
22 instructing?

23 MR. GAUGHN: Correct.

24 MR. JACKSON: And that his process
25 found there was no contraindication, he

1 talked with the family?

2 MR. GAUGHN: Right.

3 MR. JACKSON: There would be no
4 reason to call the doctor back and --

5 THE WITNESS: Go ahead and give
6 it.

7 MR. JACKSON: If there is no
8 contraindication. So what you are
9 suggesting is it wouldn't have precipitated
10 --

11 MR. GAUGHN: It --

12 MR. ZUCKER: May I? The question
13 is although the chart indicated
14 questionable CVA, the nurse said he asked
15 Mr. and Mrs. Grasgreen if he ever had a
16 stroke and they told him no, he never had a
17 stroke, he had seizures, correct?

18 MR. GAUGHN: That's another
19 question and that's good, too.

20 MR. ZUCKER: That's the question
21 you asked.

22 MR. JACKSON: There is no call
23 back to the doctor?

24 MR. GAUGHN: Exactly as the facts
25 occurred here. You had three phone calls,

1 whatever, not changing that at all.

2 MR. JACKSON: All right. He gets
3 no additional information. Does it make
4 any difference to him? I guess --

5 MR. GAUGHN: Right.

6 Q. And just so the question is clear, because I
7 think I've almost forgotten it. Assume the
8 facts exactly as we have here. You tell Omar
9 Jordan to go and check for stroke, I think you
10 said gastrointestinal bleeding, and check for
11 the checklist for TPA. Okay. He goes ahead and
12 gives TPA, would you have any criticism of Nurse
13 Jordan's conduct in doing that?

14 A. Yes.

15 Q. What would your criticism be?

16 A. That he should be familiar with the chart as
17 well.

18 Q. Okay. The next question: Assume that he was
19 familiar with the chart. If he calls you back
20 and says, well, we have a situation here. I
21 have spoken with the patient who is alert and
22 oriented. I have spoken with his wife who is
23 also alert and oriented. They both say there
24 was no stroke. However, the admissions form
25 says he did have one. What would you have told

1 him to do?

2 A. By that point I would have been at a fax
3 machine, presumably, and I would have had the
4 EKGs and he wouldn't have gotten it. It takes
5 time.

6 Q. Assuming Omar Jordan can speak clearer than I
7 can ask questions.

8 A. I would have been much less likely and again,
9 you know, I'm trying to answer you honestly, but
10 I would have been much less likely to give the
11 TPA and much more likely to pursue other avenues
12 such as give more Procardia, up on the IV
13 nitroglycerin and maybe drag our feet for 15, 20
14 minutes and I probably would have turned my car
15 and come directly to the hospital, so that I
16 could ascertain in my own mind directly what was
17 going on.

18 MR. GAUGHN: Thank you, doctor.

19 No further questions.

20 MR. ZUCKER: Real brief.

21 - - - -

22 FURTHER DIRECT EXAMINATION OF

23 ARTHUR VAN DYKE,, M.D.

24 BY MR. ZUCKER:

25 Q. Number 47. The EKG, under EKG, doctor, there

1 was a document that was provided to me when I
2 asked for the medical records from Hillcrest
3 Hospital and can you identify it?

4 MR. JACKSON: What do you mean
5 identify it?

6 A. I have a piece of paper that says page 47 and
7 Arthur Grasgreen's name written on it, it has a
8 date 5-20-93.

9 Q. It would appear to be an EKG?

10 A. It's a rhythm strip, telemetry strip, what's
11 called a rhythm strip or telemetry strip.

12 Q. The purpose of it being?

13 A. When people are in the intensive care unit we
14 watch their rhythm.

15 Q. Their heart rhythm?

16 A. Sure.

17 Q. It's part of the monitor in the room?

18 A. Sure. Part of monitoring a person, sure.

19 Q. Seizures, seizure disorder as in Arthur
20 Grasgreen's case, hopefully you will take my
21 word for it, based on the medical records I have
22 reviewed, he had a seizure disorder for
23 approximately 10 years where he had had pretty
24 much constant seizures, almost annually, then
25 there would be a few years where it abated, and

1 I think his last seizure was about six months
2 before, I'm not exactly sure. No ideology was
3 ever determined. What significance does that
4 have to you regarding what you said about not
5 giving him TPA because of the old stroke?

6 A. I was with you until you added your last
7 statement there.

8 Q. Do you understand the question?

9 MR. JACKSON: No, I didn't --

10 A. If all I knew was the seizure disorder. Okay.
11 That would not stop me from giving TPA to a
12 gentleman with the other features of Mr.
13 Grasgreen, assuming --

14 Q. He --

15 A. --that I knew that the EKG --

15 Q. Right.

17 A. --was said to have shown what I was told it
18 showed.

19 Q. Now, seizure disorders, ideology unknown,
20 wouldn't that indicate to you, though, that
21 something is going on inside the head, if a
22 person is having seizures for a decade, there is
23 something going on in there, does that make
24 sense?

25 A. Yes, there is an electrical instability.

1 Q. Electrical?

2 A. That's what a seizure is.

3 Q. Electrical and not cerebral vascular?

4 A. Correct, electrical.

5 Q. That's the distinction. That's not the type of
6 contraindication to TPA that is --

7 A. An old stroke.

8 Q. --significant or indicative of stroke, CVA, CVD?

9 A. Incidentally, the way I practice, I would not have
10 given the TPA, as we were talking earlier about
11 the evolution.

12 There are doctors that give TPA to people
13 that have had old strokes, as long as they are
14 far enough in the past.

15 It just hadn't been the way I practiced, it
16 was not at the time and still is not. But it's
17 again one of those, if you will, relative
18 contraindications.

19 Q. And in addition to that you have to look at all
20 the relative contraindications in any given
21 patient, correct?

22 A. You try and look at all the knowledge you have.
23 Some people are experimenting with giving TPA to
24 treat an acute stroke.

25 Q. So if I'm interpreting correctly your testimony,

1 even if he didn't have a stroke, you have
2 criticism of Dr. Chentow because he misread the
3 EKG and that's why you gave Arthur Grasgreen or
4 ordered Arthur Grasgreen to have TPA?

5 MR. SCOTT: Objection.

6 A. Assuming that what I was told by the employee
7 was correct.

8 Q. Right.

9 A. Was indeed what the house doctor --

10 Q. Right.

11 A. --said.

12 Q. Right.

13 A. I have criticism with the interpretation of the
14 EKG and that directly led me to administer the
15 TPA that I would not have otherwise done.

16 MR. ZUCKER: I have no further
17 questions. I would move at this time --

18 MR. GAUGHN: I have one other short
19 and I promise just one question.

20 MR. ZUCKER: Okay.

21 - - - -

22 FURTHER CROSS-EXAMINATION OF

23 ARTHUR VAN DYKE, M.D.

24 BY MR. GAUGHN:

25 Q. During the end of questions by plaintiff's

1 counsel you stated that you had another
2 criticism of Meridia Hillcrest Hospital about
3 the house doctor being an employee. If I were
4 to tell you that the house doctor was not an
5 employee, do you have any knowledge that would
6 prompt you to disagree that he was actually an
7 independent contractor of Hillcrest?

8 A. No, if you tell me that, I have no reason to
9 think otherwise,

10 Q. So if he were an independent contractor, would
11 you have any other criticism of Meridia
12 Hillcrest Hospital?

13 MR. JACKSON: Assuming he is not
14 going to understand the legal significance
15 of independent contractor.

16 I think he was saying earlier
17 assuming the house doctor is an employee of
18 the hospital, that would cover the question
19 he had about criticism of the hospital.

20 I didn't mean to put words in your
21 mouth. Do you know the legal significance
22 of independent contractor?

23 THE 'WITNESS: I do not.

24 MR. ZUCKER: I would move to
25 stipulate between counsel to remove from

1 the record so as not to appear any comments
2 that I made regarding the doctor's casual
3 practice and any deaths that resulted
4 therefrom. Would you agree to that?

5 MR. JACKSON: Well, no, I don't
6 agree to that because I don't know where
7 are you leading with this thing. If you
8 stipulate you are not going to make this
9 doctor a defendant in this action, sure, I
10 will go along with that.

11 MR, ZUCKER: Where I'm coming from
12 is I just would prefer that it didn't
13 appear in the record.

14 MR. JACKSON: I'm sure you would.
15 I understand. You tell me you are not
16 going to bring him into this case and you
17 guys can work that out. I don't care if
18 it's in there or not. Are you willing to
19 say that?

20 MR. ZUCKER: No.

21 MR. JACKSON: Well, you should be.

22 MR. ZUCKER: Unless they're willing
23 to say that they will settle with me
24 tomorrow for --

25 MR. JACKSON: That's between you

1 and them.

2 THE WITNESS: Are we done?

3 MR. ZUCKER: You're done.

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ARTHUR VAN DYKE, M.D.

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C E R T I F I C A T E

The State of Ohio,) SS:
County of Cuyahoga.)

I, Colleen M. Malone, a Notary Public within and for the State of Ohio, authorized to administer oaths and to take and certify depositions, do hereby certify that the above-named ARTHUR VAN DYKE, M.D., was by me, before the giving of his deposition, first duly sworn to testify the truth, the whole truth, and nothing but the truth; that the deposition as above-set forth was reduced to writing by me by means of stenotypy, and was later transcribed into typewriting under my direction; that this is a true record of the testimony given by the witness, and was subscribed by said witness in my presence; that said deposition was taken at the aforementioned time, date and place, pursuant to notice or stipulations of counsel; that I am not a relative or employee or attorney of any of the parties, or a relative or employee of such attorney or financially interested in this action.

IN WITNESS WHEREOF, I have hereunto set my hand and seal of office, at Cleveland, Ohio, this ____ day of _____, A.D. 19 ____.

Colleen M. Malone, Notary Public, State of Ohio
650 Engineers Building, Cleveland, Ohio 44114
My commission expires August 4, 1997

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