

1 State of Ohio,)
 2 County of Cuyahoga.) SS:

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4 IN THE COURT OF COMMON PLEAS

5 - - -

6 Tracy Ann Smith, etc.,)
 7 Plaintiff,)
 8 vs.) Case No. 327828
 9 University Hospitals of) Judge Fuerst
 10 Cleveland, et al.,)
 11 Defendants.)

12 - - -

13 DEPOSITION OF MICHAEL ROWANE, D.O

14 MONDAY, NOVEMBER 30, 1998

15 - - -

16 The deposition of Michael Rowane, D.O., a Defendant
 17 herein, called by the Plaintiff for examination
 18 under the Ohio Rules of Civil Procedure, taken
 19 before me, Ivy J. Gantverg, Registered Professional
 20 Reporter and Notary Public in and for the State of
 21 Ohio, by agreement of counsel and without further
 22 notice or other legal formalities, at the offices of
 23 Becker & Mishkind, Skylight Office Tower - Suite
 24 660, Cleveland, Ohio, commencing at 9:45 a.m., on
 25 the day and date above set forth.

1 APPEARANCES:
2 On Behalf of the Plaintiff:
3 Jeanne M. Tosti, Esq.
4 Becker & Mishkind
5 Skylight Office Tower - Suite 660
6 Cleveland, Ohio 44113
7 On Behalf of Defendant Michael Rowane, D.O.:
8 Thomas E. Betz, Esq.
9 Gallagher, Sharp, Fulton & Norman
10 Bulkley Building - Seventh Floor
11 Cleveland, Ohio 44115
12 On Behalf of Defendants Mary Louise Hlavin, M.D.
13 and Stephen D. Collins, M.D.:
14 Colleen H. Petrello, Esq.
15 Mazanec, Raskin & Ryder
16 100 Franklin's Row
17 34305 Solon Road
18 Cleveland, Ohio 44139
19 On Behalf of Defendant University Hospitals of
20 Cleveland:
21 Patricia Casey Cuthbertson, Esq.
22 Moscarino & Treu
23 812 Huron Road - Suite 490
24 Cleveland, Ohio 44115
25 On Behalf of Defendant Lee Brooks, M.D.:
(No Appearance)

1 (Thereupon, Plaintiff's Exhibit 1
2 (Rowane) was marked for identification.)

3 MICHAEL ROWANE, D.O.
4 a defendant herein, called by the plaintiff for
5 examination under the Rules, having been first duly
6 sworn, as hereinafter certified, was deposed and
7 said as follows:

8 CROSS EXAMINATION

9 BY MS. TOSTI:

10 Q. Good morning, Doctor. I introduced myself
11 previously to you. My name is Jeanne Tosti, and I
12 am here representing the plaintiff in this case.

13 Would you please state your full name for us?

14 A. Yes. Michael Patrick Rowane.

15 Q. And your home address?

16 A. 2937 Legend Lane, L-E-G-E-N-D, Lane,
17 Willoughby Hills, Ohio, 44092.

18 Q. And what is your current business address?

19 A. It would be 11100 Euclid Avenue, Cleveland,
20 Ohio, 44106.

21 Q. And at the time that you rendered care to
22 Patricia Smith, was that your business address,
23 also?

24 A. Yes.

25 Q. Are you currently an employee of a

1 professional medical group practice?

2 A. I am an employee of Case Western Reserve
3 University.

4 Q. Are you a member of a professional medical
5 group practice?

6 A. I am also in practice at the Family Practice
7 Center of University Hospitals of Cleveland.

8 Q. Do you have any association with University
9 Family Medicine Foundation?

10 A. Yes, I do.

11 Q. What is your association with them?

12 A. It is the group that oversees all the
13 physicians in the department, and I am also on the
14 Board of that group.

15 Q. And is that a professional medical group that
16 is incorporated?

17 A. I believe so.

18 Q. And you are a member of that group?

19 A. Yes.

20 Q. Are you an employee of that group, do you
21 receive any type of a salary through that group?

22 A. A portion of a salary, yes.

23 Q. And who else pays your salary?

24 A. The vast majority of my salary is from Case
25 Western Reserve University.

1 Q. What portion is from Case Western Reserve and
2 what portion comes from University Family Medicine
3 Foundation?

4 MR. BETZ: You are asking about
5 percentages?

6 MS. TOSTI: Yes, just approximate.

7 A. Oh, maybe 15 percent from University Family
8 Medicine Foundation.

9 Q. I am sorry, you said 15 percent?

10 A. Fifteen, just estimating off the top of my
11 head.

12 Q. Other than Case Western Reserve University
13 and the University Family Medicine Foundation, are
14 you employed by anyone else at the present time, do
15 you receive any type of reimbursement from anyone
16 else for professional services?

17 A. Not at this time.

18 Q. At the time that you first rendered care to
19 Patricia Smith, who was your employer?

20 A. The same.

21 Q. So Case Western Reserve University --

22 A. Case Western Reserve University.

23 Q. -- and the University Family Medicine
24 Foundation?

25 A. Yes.

1 Q. And would that be, when you first rendered
2 care, would that be in December of 1993,
3 approximately?

4 A. December 9th, 1993.

5 Q. And at the time that you rendered care to
6 Patricia Smith, were you employed by anyone else
7 other than Case Western Reserve or the University
8 Family Practice Foundation?

9 A. I did moonlight at an urgent care center in
10 my home town, Erie, Pennsylvania.

11 Q. How often were you doing that?

12 A. Maybe, gosh, one weekend a month or so.

13 Q. Doctor, when did you become an employee of
14 Case Western Reserve?

15 A. I believe in July, 1993.

16 Q. Have you ever had your deposition taken
17 before?

18 A. Never.

19 Q. I want to review a few things in regard to
20 depositions. I am sure your attorney has spoken
21 with you. But this is a question and answer session
22 under oath, and it is important that you understand
23 the question that I ask you.

24 And if a question is unclear or you don't
25 understand it, I would be happy to restate it or to

1 rephrase it. Otherwise, I am going to assume that
2 you understood the question that I asked you, and
3 that you are able to answer it, okay?

4 A. Okay.

5 Q. I would also ask that you give all of your
6 answers verbally, because our court reporter cannot
7 take down head nods or hand motions.

8 If at any time you would like to refer to the
9 medical records of Patricia Smith, please feel free
10 to do so.

11 And at some point during the deposition, your
12 attorney or one of the other attorneys may choose to
13 enter an objection. You are still required to
14 answer my question, unless your attorney
15 specifically tells you not to, okay?

16 A. Yes.

17 Q. Now, the clinic area where Patricia Smith was
18 treated, what is the name of that area?

19 A. Family Practice Center.

20 Q. And at any time during the time that you
21 treated Patricia Smith, were you a Fellow in family
22 practice?

23 A. No, I was an attending.

24 Q. What does the term, Fellow, mean?

25 A. A Fellow is someone who takes additional

1 training after their residency, typically in a
2 specialized area.

3 Q. Is this usually after a residency has been
4 completed?

5 A. Yes.

6 Q. Have you ever been named as a defendant in a
7 medical negligence suit, other than in this one?

8 MR. BETZ: Objection.

9 Go ahead.

10 A. No.

11 Q. Have you ever had your hospital privileges
12 called into question or suspended or revoked?

13 MR. BETZ: Objection.

14 Go ahead.

15 A. No.

16 Q. And have you ever acted as an expert in a
17 medical-legal proceeding?

18 A. No.

19 Q. Now, Doctor, your attorney provided me with a
20 copy of your curriculum vitae, and I have a copy of
21 it.

22 I would like you to just look it over and
23 tell me if it is up-to-date, if it is current, if
24 there are any corrections or additions that you
25 would like to make to it?

1 A. This is in December of '97, and it is not
2 current.

3 Q. This has been marked as Plaintiff's Exhibit
4 Number 1, and I would like you to just go through
5 and tell me what additions or corrections you would
6 like to make to it?

7 A. In January of 1998, I became the residency
8 director of the University Hospitals of Cleveland -
9 Mt. Sinai family practice residency program.
10 Essentially I was still maintaining the role I
11 described under acting residency director, but I
12 took the full position.

13 In education, I am presently attending a
14 Fellowship for program directors with the National
15 Institute of Program Directors.

16 Other honors, I was listed in Best Physicians
17 of America and listed in the Cleveland Magazine
18 under best docs.

19 Let's see. I have a number of other
20 publications that are not published, but they are in
21 transit, so I don't think I have to go through
22 those.

23 I have presented more lectures and taught
24 other CME courses, both locally and nationally.

25 Q. Let me just ask you there, in regard to the

1 publications that are currently in the process of
2 publication, do any of them deal with the subject
3 matter of sleep apnea or coronary artery disease?

4 A. No, they do not.

5 Q. And in regard to any additional lectures that
6 you have given that are not represented on this CV,
7 do any of those deal with those two subject areas?

8 A. Possibly -- I have already demonstrated that,
9 it was just a lecture again on electrocardiographic
10 interpretation, it is an annual workshop that I do.

11 I believe that is -- other than other
12 hospital committees, I think that is pretty
13 up-to-date, that I can they think of off the top of
14 my head.

15 Q. You may keep that copy for now, because I
16 have some additional questions with regard to your
17 background.

18 A. Certainly.

19 Q. Doctor, according to your CV, you graduated
20 from your undergraduate in 1983?

21 A. Yes.

22 Q. When did you start medical school?

23 A. I started medical school -- let's see, I
24 entered my -- you mean the school I graduated with
25 in Des Moines? I entered that in the fall of 19 --

1 I am sorry -- 1984, I graduated in 1989.

2 Q. So you were in medical school for
3 approximately five years, then?

4 A. Five years.

5 I should also note, I did have one year at
6 the Philadelphia College of Osteopathic Medicine,
7 prior to that, and I transferred to Des Moines.

8 Q. When were you at the Philadelphia school?

9 A. I think it was August of 1983 until June of
10 1994 -- 1984, I am sorry.

11 Q. And why did you make the transfer from the
12 one school to the other?

13 A. I was asked to retake that year, and I opted
14 to go to Des Moines to do that.

15 Also, I had some personal family issues at
16 that time, that I felt it was best for me to go to
17 Des Moines.

18 Q. What were the reasons that they wanted you to
19 retake that year?

20 A. I had some academic deficiencies that year.

21 Q. And Doctor, I don't mean to be insensitive,
22 but I do have to ask these questions. In regard to
23 the personal issues, the family issues, would you
24 just elaborate briefly as to what those were?

25 A. Certainly. It was my first time away from

1 home, and I had a brother with paranoid
2 schizophrenia who had a major psychotic break. The
3 only facility to help him was in Philadelphia where
4 I was in school, it was a major distraction.

5 And I am very close to my brother, from a
6 large family, very close, and during that year it
7 affected my ability to perform in medical school,
8 and I recognized that it was necessary for me to go
9 to another school.

10 And because of that, I transferred to
11 Des Moines, where I successfully completed my
12 studies and also was asked to do a predoctoral
13 Fellowship.

14 Q. Now, you did a family medicine residency at
15 Hamot Medical Center; is that correct?

16 A. Yes, that is correct.

17 Q. How many year residency was that?

18 A. It is a three year residency.

19 Q. And did you complete that residency?

20 A. Yes, I did.

21 Q. And then from there you went to University of
22 North Carolina for a faculty development Fellowship?

23 A. I really went to Case Western Reserve
24 University for family medicine. At the same time, I
25 partook in a faculty development Fellowship at

1 University of North Carolina, at Chapel Hill.
2 During that time, they had an away Fellowship, where
3 junior faculty from a number of positions throughout
4 the country would come, and would partake in a
5 Fellowship, would meet a number of weeks throughout
6 the year and dedicate time at their home bases to
7 faculty development projects.

8 Q. So these two Fellowships ran concurrently?

9 A. Yes, they did.

10 Q. Would you briefly tell me what a faculty
11 development Fellowship is?

12 A. When I was in Des Moines, in medical school,
13 I was asked to do a predoctoral Fellowship, which
14 involved teaching and research, and I really enjoyed
15 teaching. So when I had the opportunity to do a
16 postdoc -- I mean, post residency Fellowship, I
17 chose to really develop my skills in teaching to try
18 to develop some expertise in that area, and this
19 dedication of time to help me with that.

20 Q. Now, in regard to the Case Western Reserve
21 department of family medicine Fellowship, that also
22 had a component that dealt with family medicine; is
23 that correct?

24 A. I also did some additional training in
25 clinical family medicine and an interest in womens

1 health. I did a month of high risk obstetrics on an
2 Indian reservation, and I also worked in a
3 procedural skill development in family medicine.

4 Q. You hold Board certification in several
5 areas; is that correct?

6 A. Yes, I do.

7 Q. Those include family practice?

8 A. Yes, both the Boards designated from the
9 American Medical Association and the American
10 Osteopathic Association.

11 Q. And then in addition, you also hold a
12 certification in osteopathic manipulative medicine?

13 A. In osteopathic manipulative medicine, yes, I
14 do.

15 Q. And did you have to take some type of
16 examination to receive that certification for all
17 three of those?

18 A. Yes, all three did require a test, an
19 examination.

20 Q. Did you pass all three of those on the first
21 try?

22 A. Yes, I did.

23 Q. And are you currently licensed in the State
24 of Ohio to practice medicine?

25 A. Yes, I am.

1 Q. And at the time that you cared for Patricia
2 Smith, were you licensed in Ohio?

3 A. Yes, I was.

4 Q. Do you currently have an active license in
5 any other state?

6 A. Pennsylvania.

7 Q. Has your license ever been called into
8 question in the State of Ohio?

9 A. Never.

10 Q. How about in the State of Pennsylvania?

11 A. Never.

12 Q. Doctor, there are a number of articles that
13 are on your curriculum vitae. Do any of these
14 articles deal with the subject matter of coronary
15 artery disease?

16 A. No, they do not.

17 Q. Any on the subject of sleep apnea?

18 A. No, they do not.

19 Q. Have you ever taught or given a formal
20 presentation on the subject of coronary artery
21 disease or sleep apnea, with the exception of the
22 electrophysiology one that you have already pointed
23 out?

24 A. No. And that was on electrocardiography.

25 Q. Now, Doctor, in regard to the two

1 publications -- let me find them -- on your
2 curriculum vitae entitled Case Histories in
3 Electrocardiography and Advanced Case Histories in
4 Electrocardiography -- do you see those? I think
5 they are about halfway down in the middle of page
6 seven of your curriculum vitae.

7 A. Yes.

8 Q. Have either of these lectures been reduced to
9 any videotape, audiotape or written basis?

10 A. I don't believe so. And I have not published
11 any formal dissertation of them for publication, or
12 I did not have any formal handout for them.

13 Q. You don't have a written syllabus for either
14 of those presentations?

15 A. I do have slides that I use for that.

16 Q. Would I be able to obtain copies of those
17 slides?

18 MR. BETZ: After discussion with me,
19 if you request them.

20 MS. TOSTI: I would like to make a
21 request for those.

22 Q. (Continuing) The individual that is named in
23 the first of those two articles, Case Histories in
24 Electrocardiography, it says, Workshop with
25 William A. Rowane. Is that a relative?

1 A. That is my father.

2 Q. And does he have any particular specialty
3 area that he practices in?

4 A. My father is retired. He is Board certified
5 in internal medicine and Board eligible in
6 cardiology.

7 Q. I see from your curriculum vitae that your
8 wife is also a physician?

9 A. Yes, she is.

10 Q. And does she have a particular area of
11 specialty?

12 A. Pediatrics.

13 Q. Would you tell me what you have reviewed for
14 this deposition?

15 A. I have essentially reviewed the chart of the
16 patient.

17 Q. And by that you are referring to the clinical
18 notes from the Family Practice Center?

19 A. Yes.

20 Q. Have you reviewed any textbooks or any
21 articles?

22 A. No.

23 Q. Have you reviewed any additional medical
24 records, other than the Family Practice Center? And
25 by that I am speaking of the University Sleep Center

1 records.

2 A. The primary ones I have dealt with have been
3 here (indicating).

4 Q. Have you, at any time, seen the University
5 Sleep Center records?

6 A. I have seen what we have here. I have not
7 had full disclosure to look at the other complete
8 records.

9 Q. Well, what I would like to know is, other
10 than what is contained in the records that are
11 currently sitting in front of you, have you reviewed
12 any additional records from the University Sleep
13 Center?

14 MR. BETZ: What you recall.

15 A. There was a -- I only briefly saw one other
16 sheet from the sleep study, that was not part of
17 this, just recently.

18 Q. And what was that document that you are
19 referring to?

20 A. I am not even certain. It was a sheet from
21 the sleep lab, I believe.

22 Q. How is it that you came to see that
23 particular document, who gave it to you?

24 A. My attorney and I had a discussion on that.

25 Q. Do you know what the source of that material

1 was?

2 A. No, I do not.

3 Q. Do you know what the title of it was?

4 A. Not offhand, no.

5 MS. TOSTI: I would like to make a

6 request for whatever that document is.

7 BY MS. TOSTI:

8 Q. What was the content of that particular

9 document, what was on it?

10 A. I have to apologize, because I only saw it

11 briefly. But I know it described the patient's --

12 it was kind of, I think, a preliminary report of the

13 sleep study, which also acknowledged the diagnosis

14 of sleep apnea, I believe that was part of that.

15 Q. Doctor, I am going to show you a copy of a

16 document from the University Sleep Center, and I

17 would like to ask you -- it is entitled the

18 Overnight Polysomnogram Report, and I am going to

19 ask you if this is the document that you are

20 referring to?

21 A. No, this was part of my records. I already

22 had this one. It was another sheet.

23 Q. In addition to this particular document, you

24 saw another document?

25 A. Yes.

1 Q. Have you seen any of the records of
2 Dr. Collins, Dr. Hlavin or Dr. Brooks, any of the
3 clinical medical records that they kept on Patricia
4 Smith?

5 A. I have not seen Dr. Hlavin's, I have not seen
6 Dr. Brooks'. I did see some of Dr. Collins'.

7 Q. Was that just recently?

8 A. Recently.

9 Q. Have you reviewed the death certificate or
10 the autopsy of Patricia Smith?

11 A. Yes.

12 Q. Doctor, are you currently or have you in the
13 past been involved in any research studies dealing
14 with sleep apnea or coronary artery disease?

15 A. No, I have not.

16 Q. And since the filing of this case, have you
17 discussed this case with any physicians?

18 A. No.

19 Q. Have you at any time talked to Dr. Collins or
20 Dr. Hlavin or Dr. Brooks or Dr. Martin about this
21 case, since it has been filed?

22 A. No.

23 Q. Other than with counsel, have you discussed
24 this case with anyone else?

25 A. No.

1 Q. Other than the Family Practice notes that you
2 currently have in front of you, do you have any
3 personal notes or a personal file on this case?

4 A. No.

5 Q. And have you ever generated any personal
6 notes or a personal file on this case?

7 A. No.

8 Q. Is there a textbook in your field of
9 practice, family practice, that you consider to be
10 the best or the most reliable?

11 A. Not really.

12 Q. Is there a particular book that you use in
13 the residency program that you currently are
14 director of?

15 A. There are a number of texts that we utilize,
16 for example, Harrison's on internal medicine may be
17 a reference, as well as Williams in obstetrics, for
18 example. So there are some major texts we may refer
19 to.

20 Q. Do you refer to them in your clinical
21 practice?

22 A. Yes.

23 Q. Do you consider either of those texts to be
24 authoritative?

25 A. You have to recognize, a text, when

1 published, can still not be completely current. But
2 they have general guidelines.

3 Q. So is that a yes or a no to my question?

4 MR. BETZ: I am not sure the question
5 can be answered yes or no.

6 Q. (Continuing) Are there any particular
7 publications that you believe have particular
8 relevance to the issues in this case?

9 A. Not in particular.

10 Do you mean publications that are dealing
11 with these topics? Can you be more specific?

12 Q. Yes, I am interested in knowing whether, at
13 the present time, there is any particular
14 publication that you feel has particular relevance
15 to any of the issues in this case? And if there
16 aren't any, you know, tell me that.

17 A. Not that I am aware of.

18 Q. Doctor, in your clinical practice, just
19 generally, what type of patient population do you
20 see, in regard to the age range?

21 A. Family medicine encompasses birth through the
22 geriatric population, and also my practice includes
23 low risk obstetrics.

24 Q. And in regard to the types of patients, are
25 there any particular types that you don't see on a

1 regular basis, that you refer out of your clinical
2 practice?

3 A. Family medicine usually encompasses a lot of
4 general problems, and there are a number of times
5 where I may need specific consult that I will
6 utilize a specialist.

7 Q. In your clinical practice, do you evaluate
8 patients with coronary artery disease?

9 A. Yes.

10 Q. And in 1995 and '96, were you doing that in
11 your clinical practice?

12 A. Yes.

13 Q. And do you provide continued management for
14 patients with coronary artery disease?

15 A. I do, but some cases I also do in conjunction
16 with a specialist.

17 Q. A cardiologist?

18 A. Yes.

19 Q. And in what circumstances would you be
20 working with a cardiologist with your patients in
21 coronary artery disease?

22 A. Any patient that would require a more
23 thorough testing, any patient that I am uncertain of
24 the etiology, a patient who is having an acute
25 myocardial infarction, a patient who is to be

1 admitted with a cardiac complaint to the telemetry
2 floor or the intensive care unit at University
3 Hospitals.

4 Q. And in 1995 and 1996, that time period, could
5 you tell me just approximately, in the patient
6 population that you were seeing, how many of those
7 patients you were seeing specifically for coronary
8 artery disease related problems? I am just looking
9 for a ballpark percentage or a number.

10 A. There is -- again, I am just -- I don't know
11 if I could pull the exact number, but I can say that
12 I have a significant geriatric population that has
13 cardiovascular disease. Gosh, I don't know, 20
14 percent of my -- 25 percent. Honestly, I don't know
15 if that is accurate, but I have --

16 Q. Would it be fair to say that you see a fair
17 number of patients with coronary artery disease in
18 your clinical practice?

19 A. I have a fair number of patients who have
20 cardiovascular disease.

21 Q. And that would have been true also in 1995
22 and 1996?

23 A. Yes.

24 Q. In 1995 and 1996, did patients in the Family
25 Practice Center have an attending physician who was

1 responsible for following their care?

2 A. We have a unique practice, it is a residency
3 training practice. So we are involved in teaching
4 of residents and medical students.

5 The residents and attending physicians each
6 has a panel of patients that they cover. And the
7 primary care physician may be an attending, or it
8 may be a resident physician.

9 Q. So I want to be clear on this.

10 Patients that were being seen in the Family
11 Practice Center would not necessarily have an
12 attending physician following them?

13 A. Every patient -- if a resident physician sees
14 a patient, their case must be reviewed by an
15 attending physician, so an attending physician is
16 involved in all cases of patients at our Family
17 Practice Center.

18 Q. Now, you have responsibilities for
19 supervising some of the medical staff in the Family
20 Practice Center; is that correct?

21 A. Yes.

22 Q. And in 1995 and 1996, were you also
23 supervising some of the medical staff in the Family
24 Practice Center?

25 A. Yes.

1 Q. And if --

2 A. I am sorry. Just to clarify, you mean in
3 relation -- you are referring to the resident
4 physicians and the medical students?

5 Q. The medical staff, not the nursing staff and
6 other personnel.

7 A. Okay.

8 Q. What level of personnel in 1995 and '96 were
9 you actually supervising in the Family Practice
10 Center?

11 A. Resident physicians and medical students.

12 Q. So the medical students would be before
13 graduation?

14 A. Yes.

15 Q. And the residents, would those all be
16 students that had already graduated from medical
17 school?

18 A. We have a unique program called an
19 accelerated residency program, and there are a small
20 subset of residents that are found to be exceptional
21 medical students, that their fourth year of medical
22 school is considered their internship. It is one of
23 only, I believe, about a dozen programs allowed by
24 the American Academy of Family Practice.

25 And the other resident physicians have

1 completed their professional degree, which is the
2 M.D.

3 (Thereupon, Ms. Cuthbertson entered
4 the room.)

5 Q. So some of the residents that were seeing
6 patients in the Family Practice Center --

7 A. Yes.

8 Q. -- were unlicensed physicians who had not, at
9 the point in time that they were delivering care,
10 graduated from the medical school; is that correct?

11 A. I am sorry, could you repeat that question?

12 MS. CUTHBERTSON: Let me just object
13 for the record.

14 MS. TOSTI: Ivy, can you read my
15 question back.

16 (Record read.)

17 A. (Continuing) We have medical students seeing
18 patients every day in our practice that are
19 supervised by attending physicians.

20 Q. And in those instances, there would be an
21 attending that would be supervising the care?

22 A. Yes.

23 Q. When you were supervising the various
24 residents and the medical students, were you
25 ultimately responsible for overseeing the care of

1 those patients?

2 A. Yes.

3 Q. During the 1995 - '96 time period -- would it
4 be appropriate to use the word, precepting?

5 A. Yes, it is.

6 Q. When you were precepting the various medical
7 personnel in the Family Practice Center, besides
8 yourself, and the personnel that you were
9 precepting, were there other attending physicians
10 there on the days that you were there?

11 A. Yes, there are. We always have attending
12 physicians that act as preceptors during every
13 patient care encounter.

14 Q. And on any given day, what would be the
15 average of attending physicians that would be in the
16 Family Practice Center in that time period, '95 - '96?

17 A. It is proportional to the amount of resident
18 physicians and medical students in the practice.

19 The residency review committee makes
20 guidelines, has recommendations that they expect you
21 to adhere to, and we adhere to those. Typically we
22 have two to three preceptors present in the Family
23 Practice Center, but it can be more if required.

24 Q. And how many individuals on any given day
25 would you normally be precepting? And I am speaking

1 again in 1995 or '96.

2 A. It can truly vary from a session having only
3 a few resident physicians, to having possibly eight.
4 But then there would be more preceptors present, if
5 that was the case.

6 Q. Were the family practice residents permitted
7 to see patients independently, in other words,
8 conduct the history and the medical exam, without an
9 attending present?

10 A. Yes.

11 Q. Did it matter whether the individual was a
12 medical student or whether they had completed
13 medical school and were a resident, as to whether
14 they could conduct that part of the clinic visit
15 independently?

16 A. The more training a physician had, the level
17 of training, the more autonomy they may have. A
18 medical student, in their first two years of medical
19 school, would be very much guided completely with
20 the attending physician, whereas one in their fourth
21 year of medical school would still have a physician
22 present and evaluating the patient, but it may not
23 be the same level as a first year medical student
24 who has very little medical knowledge.

25 Q. Would an attending be in the room with the

1 medical student?

2 A. Yes, the attending has to come in the room,
3 although he may allow the student to come in first
4 to obtain the history and physical exam, then
5 present it, and then subsequently come back in to
6 reassess the situation and fully examine the patient.

7 Q. And in regard to the resident who has
8 completed medical school, would the attending have
9 to be in the room with the resident?

10 A. They did not have to, but they had to review
11 the case with the preceptors.

12 Q. Now, were residents permitted to order
13 therapeutic interventions for patients
14 independently, such as drugs and tests?

15 A. They would have to be reviewed by an
16 attending physician.

17 Q. Did the attending physician review all of
18 those types of orders for people that were medical
19 students, up through the time that they graduated,
20 as well as the residents that were practicing in the
21 clinic, that had already graduated?

22 A. All charts in our Family Practice Center have
23 been -- have to be reviewed by an attending
24 physician.

25 Q. And so would it be fair to say that before

1 any plan of care was implemented for a particular
2 patient, it would have been discussed with an
3 attending physician?

4 A. With any medical student, someone early in
5 their training, yes. A more senior resident may
6 institute therapy, but it will be reviewed by an
7 attending physician afterwards.

8 Q. Would an attending physician in the Family
9 Practice Center be responsible for following up on
10 tests that were ordered on patients? Whose
11 responsibility would that be?

12 A. The following up on tests is the physician
13 who ordered the tests.

14 Q. And what about consults that were ordered for
15 patients, who would be responsible for following up
16 on the consults?

17 A. I am not certain what you mean. You mean if
18 we -- if I have a consult that I request on a
19 patient, a lot of times I will either contact the
20 consultant, present a request to the patient, then
21 allow the patient to set a time to see the
22 consultant as they know their schedule, and then get
23 a consult report back from the consultant concerning
24 that case.

25 Q. But if you are precepting medical students or

1 residents, and in the course of care that is being
2 delivered to a patient, it is determined that a
3 consult is to be done, would you, as the attending
4 physician that is precepting these individuals, be
5 the one to follow up on the consult, or would that
6 fall to the person who had actually done the initial
7 contact with the patient?

8 A. The attending physicians are required to sign
9 all consulting forms that go out. Usually then the
10 consultant's information will come back to the
11 primary physician who has initiated that, but many
12 times they also come back to the attending
13 physician, as well.

14 Q. But would the medical student be required to
15 bring that information back to an attending?

16 A. All consultants generated from a medical
17 student will go back to the attending.

18 Q. And how about if they are generated by a
19 resident that has completed medical school?

20 A. They will probably come back to that resident
21 who is following the patient, but they may also come
22 back to the attending, as well.

23 Q. Doctor, what are some of the risk factors for
24 coronary artery disease?

25 A. Age, sex and family history are the primary

1 risk factors associated with coronary artery
2 disease.

3 Q. Would high cholesterol be a risk factor?

4 A. There are also modified risk factors, which
5 include high blood pressure, elevated cholesterol,
6 lifestyle, tobacco use.

7 Q. Obesity?

8 A. Yes.

9 Q. And what would be some of the signs or
10 symptoms that would alert you to the fact that a
11 patient was having problems with coronary artery
12 disease?

13 A. Usually a patient may describe shortness of
14 breath on exertion. A patient may also discuss
15 having chest pain.

16 Q. What about heart irregularities?

17 A. They may possibly be associated.

18 Q. Complaints of indigestion?

19 A. There are a myriad of different complaints
20 that can also be associated with that, and that
21 would include indigestion.

22 Q. Aching in the shoulder?

23 A. Not typically. More of a numbness that
24 usually occurs.

25 Q. You haven't seen any patients that have

1 complained of aching in the shoulder as a result of
2 coronary artery disease?

3 A. It can occur. It can occur.

4 Q. How about complaints of chest tightness, is
5 that associated with complaints of coronary artery
6 disease?

7 A. It can be.

8 Q. Changes in the electrocardiogram?

9 A. Electrocardiogram changes can be associated
10 with that.

11 Q. And Doctor, from the perspective of a family
12 practice physician, how do you diagnose coronary
13 artery disease in a patient?

14 A. Coronary artery disease diagnosis, like any
15 disease diagnosis, requires a history, physical
16 exam, and once those initial steps have been used,
17 then you can evaluate with other laboratory tools to
18 assess risk factors associated with coronary artery
19 disease.

20 Q. And what other laboratory tools are we
21 talking about here?

22 A. A lot of times you can evaluate with
23 chemistries, including serum cholesterol, and more
24 specifically, a complete profile which can ascertain
25 the better risk stratification with that. You may

1 also want to check a serum glucose associated with
2 that, complete blood count can be associated with
3 that, electrolytes can be helpful, and usually an
4 electrocardiogram.

5 Q. What would be the indicators for ordering a
6 cardiac stress test on a patient?

7 A. A cardiac stress test, if you had a patient
8 that you felt the history and physical exam and the
9 use of laboratory tools suggested a high probability
10 of underlying coronary artery disease, then you may
11 request it.

12 Q. If a patient presents with several episodes
13 of chest tightness and has risk factors that include
14 obesity and borderline hypertension and high
15 cholesterol, smoking, and is over the age of 40,
16 would that warrant a stress test?

17 A. It would really depend upon the history and
18 the physical exam of that specific patient, because
19 the description of chest discomfort can have
20 multiple implications, and also depends on the
21 patient's other medical problems, and some of those
22 symptoms can be associated with the other areas of
23 pathology that they have.

24 Q. If, in addition to those things that I just
25 mentioned, a patient has ST and T wave changes on

1 the EKG, would that, in addition to what I
2 previously mentioned, warrant a stress test in a
3 patient?

4 A. An EKG is simply measuring the electrical
5 activity of the heart, and it can only be taken in
6 the context of how it relates to the history and the
7 physical exam of the patient, and it may warrant
8 further interventions.

9 Q. You are not in a position to say that a
10 stress test would be warranted, though, based on the
11 information that I provided you with?

12 A. I would probably need more specific
13 information to really try to tease out better the --
14 for example, if you have someone with chest
15 discomfort, there are a multitude of possible
16 etiologies with that. And you would have to tease
17 through all the signs and symptoms associated with
18 that, and also demand to get a better character of
19 the chest pain, of all the associated medical
20 problems the patient has, what it is attributed to.
21 And so all those factors determine it, to really
22 determine whether or not a further intervention is
23 needed.

24 Q. And even with the addition of ST and T wave
25 changes on an EKG, that wouldn't be sufficient to

1 warrant stress testing?

2 A. It all depends upon the association of the
3 history and the physical exam in relation to that.

4 Q. Doctor, if a patient has what is considered
5 to be significant coronary artery disease, what are
6 the possible treatment options that the patient has?

7 A. If a patient has diagnosis of coronary
8 artery disease, they can be treated with medical
9 management, they can also be treated with surgical
10 interventions. That can include doing a coronary
11 by-pass surgery, if found to be appropriate, as
12 well as non -- some less invasive procedures
13 utilizing a cardiologist to do angioplasty.

14 So there are a number of treatment modalities
15 in a patient with documented coronary artery
16 disease.

17 Q. If a 41 year old obese patient with high
18 cholesterol, female, family history of coronary
19 artery disease and smoking comes into the clinic and
20 has concerns about past irregular heartbeats, is
21 that something that a physician should investigate?

22 A. Anytime any patient comes to the office and
23 has complaints, they should all be evaluated
24 thoroughly through the history and the physical exam
25 to try to delineate what the etiology is of their

1 complaint.

2 Q. And how should that particular complaint be
3 investigated, what should a family practice
4 physician do?

5 A. I think you require they do a thorough
6 history to evaluate that, a physical exam that
7 assesses the patient's -- all areas of concern, and
8 then order appropriate tests that may be helpful
9 with that. That includes tests, depending upon the
10 situation, and then taking that to try to create a
11 differential diagnosis of what the possible etiology
12 is of that, and from there, make a decision what is
13 your highest probability of what is going on, and if
14 there are other things that are in your differential
15 but not as high, you will follow them clinically and
16 see if they become more apparent at a later time.

17 Q. Would it be important to know when those
18 irregular heartbeats occurred, would that be
19 something that you would ask the patient?

20 A. Yes, it may be helpful.

21 Q. And would it be important to know how often
22 it was occurring?

23 A. Yes, it would be helpful.

24 Q. And would it be important to know under what
25 circumstances it was occurring, what the patient was

1 doing at the time that they occurred?

2 A. Yes.

3 Q. And would it also be important to know if
4 anything seemed to increase or decrease the
5 frequency of those irregular heartbeats?

6 A. Yes.

7 Q. And would it also be important to know how
a long those episodes were lasting?

9 A. Yes.

10 Q. And those would all be important things for a
11 physician to ask when they were taking a history of
12 a patient that was complaining of irregular
13 heartbeats, correct?

14 A. Those are reasonable things to ask if a
15 patient presents with that complaint.

16 Q. So your answer is yes?

17 A. Yes.

18 Q. How does a physician determine whether
19 complaints of irregular heartbeats is something
20 significant or not?

21 A. If someone is, for example, in more
22 significant -- if someone is describing irregular
23 heartbeats and passing out, versus someone who says,
24 I drink a lot of coffee and I feel some fluttering
25 in my chest.

1 Q. Anything else that would tell you that these
2 irregular heartbeats were significant, other than a
3 complaint by the patient that they were passing out,
4 anything else that would be important?

5 A. If the patient had associated shortness of
6 breath, if they had associated diaphoresis with
7 that, and associated chest pain with that.

8 Q. Would it be important to identify what was
9 causing the irregular heartbeats in a patient that
10 had that type of complaint?

11 A. It would, I think, depend upon the situation,
12 the patient either describing what they perceive as
13 irregular heart rate, and it may warrant a test,
14 such as electrocardiogram or further interventions.

15 Q. So I don't want to misunderstand you.
16 Sometimes it is important to find out why a person
17 is having irregular heartbeats, and sometimes it is
18 not?

19 A. No. I am saying that it is important with
20 all complaints to do a thorough history to determine
21 the etiology of that to determine whether it is a
22 more concerning or a more benign matter.

23 Q. I am not sure that I understand your answer.
24 It is important to find out what is causing
25 the problem, the irregular heartbeats?

1 A. It is important to find out what is causing
2 all problems, yes.

3 Q. Because in some instances, it could be a
4 benign problem, and in other instances, it could be
5 a very serious problem; would that be correct?

6 A. That would be correct.

7 Q. Now, if a patient was having irregular
8 heartbeats caused by premature ventricular
9 contractions, that would be a cause for heightened
10 concern, correct?

11 A. Well, it depends. A lot of people, most all
12 of us, have premature ventricular contractions that
13 are asymptomatic. And that usually does not require
14 any intervention.

15 Q. At what point would irregular heartbeats
16 caused by premature ventricular contractions become
17 a concern that would require some type of treatment?

18 A. When a patient becomes symptomatic with that,
19 or there are prolonged episodes of that occurring.

20 Q. What about frequency of ventricular premature
21 contractions, is there any particular level that you
22 would begin to treat a patient for premature
23 ventricular contractions?

24 A. It usually is dependent upon how significant
25 it is, because some of the medications that they

1 have found them to be controlled with sometimes have
2 caused more problems, so we are always cautious in
3 utilizing medications. In many cases where I have a
4 patient who has multiple -- to the point where I am
5 questioning treatment of someone with symptomatic
6 arrhythmias, I usually have consulted a specialist
7 to assist me with that.

8 Q. Are premature ventricular contractions more
9 concerning if they are coupled?

10 A. It depends if the patient is more symptomatic
11 with that, and how frequently they occur. But the
12 more it occurs, the less benign it is.

13 Q. So the more often you see coupling of
14 premature ventricular contractions, that would
15 heighten your concern, as opposed to some isolated
16 premature contractions?

17 A. Yes.

18 Q. Doctor, do premature ventricular contractions
19 of the heart place a person at increased risk for
20 lethal ventricular fibrillation and ventricular
21 tachycardia, as compared to someone who doesn't have
22 those types of arrhythmias?

23 A. I am sorry, could you repeat that question
24 again?

25 MS. TOSTI: Would you read my question

1 back

2 (Record read.)

3 Q. Underlying premature ventricular
4 contractions.

5 A. I think only if it was much more significant
6 findings with that, if they had much more -- they
7 occurred more frequently, more symptomatic, rather
8 than an occasional PVC occurring, or premature
9 ventricular contraction occurring.

10 Q. So the risk for someone without premature
11 ventricular contractions, as compared to somebody
12 with them, for ventricular fibrillation or
13 tachycardia, is the same?

14 A. No, if the person -- well, pretty much we all
15 have isolated premature ventricular contractions at
16 one point or another, but someone who would have
17 more significant premature ventricular contractions,
18 were symptomatic, would be at higher risk for a
19 lethal arrhythmia.

20 Q. What does the term coronary ischemia mean?

21 A. Coronary ischemia refers to the coronary
22 arteries themselves, which supply the blood to the
23 heart, may be compromised by a number of mechanisms
24 which decrease the ability of the heart to receive
25 oxygen. And when they don't receive the oxygen, it

1 decreases the function of the heart, and because of
2 this lack of oxygen -- which is necessary to perform
3 its physiological task.

4 Q. And can coronary atherosclerosis cause
5 coronary ischemia?

6 A. It can be associated with that.

7 Q. So the answer is yes?

8 A. Yes.

9 MR. BETZ: No, the answer isn't yes,
10 the answer is, it is associated with it.

11 Q. Doctor, I want to ask my question again.
12 Can coronary atherosclerosis cause coronary
13 ischemia?

14 A. It can be associated with that.

15 Q. Is there a high incidence of coronary
16 ischemia associated with coronary atherosclerosis?

17 A. The more significant the atherosclerosis is,
18 the higher the risk of ischemia occurring.

19 Q. Can coronary ischemia cause a patient to have
20 premature ventricular contractions?

21 A. I believe it may have some association, but I
22 am not certain of the full literature with that.

23 Q. Would you agree that coronary ischemia
24 increases the risk for lethal ventricular
25 arrhythmias?

1 A. In a patient that -- well, it may have -- I
2 am sorry, could you repeat that question again.

3 MS. TOSTI: Go ahead.

4 (Record read.)

5 A. (Continuing) It can have an association with.
6 that.

7 **a.** The more significant the coronary ischemia,
8 the higher the risk for lethal arrhythmias,
9 ventricular arrhythmias; would you agree with that?

10 A. Possibly.

11 Q. Doctor, what does the term hypoxia mean?

12 A. Hypoxia refers to a decreased amount of
13 oxygen in the circulation.

14 Q. And would you agree that in a patient with
15 coronary artery disease, hypoxia increases the risk
16 for cardiac ischemia?

17 MR. BETZ: I am sorry, could I have
18 that back, please.

19 (Record read.)

20 A. It can have association with that.

21 Q. In a patient with significant coronary artery
22 disease, the risk for hypoxia is -- I am sorry,
23 strike that. Let's let that go for a minute.

24 Would you agree that in a patient with
25 coronary artery disease, hypoxia increases the risk

1 for cardiac irritability?

2 A. Hypoxia can be associated with irritability
3 of the heart.

4 Q. And if a patient has coronary artery disease,
5 there may be a risk of having less oxygen getting to
6 the heart muscle, correct?

7 A. Yes.

8 Q. And in a patient that has hypoxia, if you add
9 coronary artery disease to the mix, you would even
10 have a higher concern that that patient may develop
11 cardiac irritability, correct?

12 A. Possibly.

13 Q. In a patient with significant coronary artery
14 disease, would you agree that hypoxia increases the
15 risk for cardiac arrhythmias?

16 A. It is possible.

17 Q. And if a patient has severe coronary artery
18 disease and suffers from hypoxia with oxyhemoglobin
19 desaturations falling to 60 percent, would you agree
20 that the patient would be at increased risk for
21 cardiac arrhythmias?

22 A. Could you repeat the question?

23 MS. TOSTI: Go ahead.

24 (Record read.)

25 MR. BETZ: Increased risk over what?

1 Q. (Continuing) As compared to a patient with
2 normal oxyhemoglobin saturations.

3 A. I am uncertain what level of desaturation may
4 put the patient, that patient, at risk.

5 Q. Would you have a heightened concern for a
6 patient that had oxyhemoglobin desaturation to 60
7 percent, and also had coronary artery disease, as
8 compared to someone who did not have those levels?

9 A. I probably would be involving a specialist to
10 help me manage that situation.

11 Q. So you are not in a position to know whether
12 or not that would be an increased risk for the
13 patient?

14 A. It is an area that is beyond my expertise,
15 and I would probably employ a specialist to assist
16 me with that.

17 Q. In October of '95 when an adult patient
18 presented with new onset of seizures in the Family
19 Practice Center, how would that patient be worked
20 up?

21 A. A patient typically would have a series of
22 chemistries done, usually looking at serum glucose,
23 electrolytes, including magnesium, calcium,
24 phosphorus, sodium, potassium, to look for any
25 metabolic association with that. They may also have

1 a complete blood count that would be done, and
2 probably an imaging study may be warranted, as well.

3 Q. What type of an imaging study?

4 A. Usually a CAT scan.

5 Q. A CT of the brain?

6 A. Yes.

7 Q. How about an EEG?

8 A. That is something that is also considered
9 useful, but that is not my area of expertise, and
10 usually I would employ a consultant to assist me
11 with that.

12 Q. Is it important to take a thorough history on
13 a patient with a new onset of seizures?

14 A. Yes.

15 Q. And would a prudent physician want to know
16 under what circumstances the seizures occurred?

17 A. Yes.

18 Q. And would a physician also want to know what
19 physically occurred during the seizure episode, what
20 was observed?

21 A. Yes.

22 Q. And the reason that that is important is
23 because there may be clues to the cause of the
24 seizure in the history, correct?

25 A. That is correct.

1 Q. And the reason that a prudent physician would
2 want to determine the cause of the seizure is
3 because you can't determine proper treatment until
4 you know what is causing it; would that be a correct
5 statement?

6 A. The etiology -- finding the underlying
7 etiology does assist in the management, as well.
8 But in the process of that workup, which may take a
9 while, the patient may be put on anti-seizure
10 medications.

11 But again, if I would be in that situation,
12 and when I have been in that situation, I have
13 called a specialist, a neurologist, to assist me
14 with that management decision.

15 Q. But you would agree that effective treatment
16 of seizures is dependent on finding out what is
17 causing the seizures, correct?

18 MR. BETZ: If possible.

19 A. Not all seizures -- we do not find the
20 underlying etiology in a number of seizures. So
21 sometimes we may not -- all tests may come back, and
22 be negative, they may not show that, but the patient
23 may still have seizures.

24 Q. But generally speaking, Doctor, as a
25 physician, you would want to know, if possible, what

1 was causing the seizures in order to determine what
2 the effective treatment was, correct?

3 A. If I could find the etiology, it would be
4 beneficial in treating the patient.

5 Q. Because, Doctor, if you have an infection
6 that is causing seizures, it would be important to
7 know that, correct, because you would then treat the
8 infection, correct?

9 A. Correct.

10 Q. Or if there was some type of a toxic chemical
11 that was causing it, it would be important for you
12 to know that, so that that particular chemical could
13 be withdrawn, correct?

14 A. Very much, in most cases, when patients
15 present with first time seizures, a toxicology
16 screen is usually employed, as well, to determine
17 that, as well as serum alcohol level.

18 Q. And so you would agree that it is important
19 to find out what the etiology is, if that is
20 possible?

21 A. If it is possible, it would assist in the
22 management.

23 Q. Doctor, when a person experiences a
24 generalized grand mal type seizure, what are some of
25 the things that are observed with that type of

1 seizure?

2 A. The patient generally refers to seeing signs
3 that occur throughout the body, so the patient may
4 shake all extremities, may be unconscious and not
5 responsive during that period of time, may foam at
6 the mouth, eyes may roll to the back of the head.
7 The patient will have a period afterwards, called a
8 postictal state, where the patient may not be
9 responsive after this event.

10 Q. Is there a loss of bowel or bladder control
11 sometimes?

12 A. Yes, there is.

13 Q. What happens to a person's breathing pattern
14 during a generalized grand mal type seizure?

15 A. Depending upon the situation, a patient
16 may -- it varies -- but a patient may breathe more
17 or less during that time.

18 Q. In some instances, is there no breathing that
19 occurs during a grand mal seizure?

20 A. Some patients have been known to choke during
21 that time, and that may occur.

22 Q. Doctor, can generalized grand mal type
23 seizures in some instances be life-threatening?

24 A. Yes, if they become intractable.

25 Q. If a person's brain does not get enough

1 oxygen, it may, in some instances, cause a seizure
2 to occur, correct?

3 A. That is correct.

4 Q. And Doctor, you would agree that sustained
5 ventricular arrhythmias can, in some instances,
6 result in a lack of oxygenated blood getting to the
7 brain, correct?

8 A. That had to be a pretty prolonged ventricular
9 arrhythmia.

10 Q. You have seen patients with ventricular
11 fibrillation or ventricular tachycardia who have
12 suffered hypoxic ischemic brain injury, correct?

13 A. Yes.

14 Q. And Doctor, if a patient's brain is not
15 getting enough oxygen because they are in a
16 sustained ventricular fibrillation or ventricular
17 tachycardia, you would agree that that may cause
18 them to have a seizure, correct?

19 A. It could be possible.

20 Q. In some instances?

21 A. Maybe.

22 Q. What is obstructive sleep apnea?

23 A. Certain individuals, the process of sleeping
24 may have a period of time where, due to a
25 mechanically -- the way the mouth and throat work,

1 may be closed for a period of time, that may cause
2 an absence of breathing for a prolonged period of
3 time.

4 Q. Would it be correct to say that it is an
5 upper airway occlusion that occurs during sleep?

6 A. It may be. That is probably more common.

7 Q. And would it be fair to say that there is
8 often oxygen desaturations that are seen with
9 obstructive sleep apnea?

10 A. It can be.

11 Q. What are the risk factors for obstructive
12 sleep apnea?

13 A. Obesity, snoring, kind of -- I think if
14 someone has a large neck, it has been associated
15 with that.

16 Q. What about an enlarged tongue?

17 A. I believe that may be associated with that.

18 Q. Do you know whether hypertension or
19 cardiovascular disease is associated with sleep
20 apnea?

21 A. I know that patients who have high blood
22 pressure and coronary disease have a higher
23 amount -- it is more prevalent in that population to
24 have sleep apnea.

25 Q. And Doctor, in taking a history on a patient

1 in which you may be suspicious of obstructive sleep
2 apnea, what are some of the things that you would
3 want to inquire about?

4 A. The sleeping pattern of the patient
5 themselves, whether they have witnessed periods
6 where they are not breathing, or snoring associated
7 with that, that may be helpful.

8 Q. Would excessive daytime sleepiness be
9 something that might key you in to the possibility
10 of obstructive sleep apnea as a problem?

11 A. It does have an association.

12 Q. How about complaints of disrupted sleep?

13 A. It could possibly be associated with that.

14 Q. How about depression, would that be something
15 that is associated with obstructive sleep apnea?

16 A. I am not certain if that is a direct
17 association or not.

18 Q. Doctor, would you agree that severe
19 obstructive sleep apnea may, in some cases, cause a
20 patient to experience episodes of severe hypoxia
21 during sleep?

22 A. I am not a sleep specialist. If there is a
23 patient where there is a suggestion of possible
24 sleep apnea, I have utilized a specialist in that
25 area to assist me.

1 Q. Are you aware of whether life-threatening
2 complications are associated with severe obstructive
3 sleep apnea?

4 A. I know that the association increased the
5 amount of automobile accidents that are associated
6 with that, but the full ramifications I am not well
7 versed on.

8 Q. Do you know whether sudden death is
9 associated with severe obstructive sleep apnea?

10 A. I believe it is not.

11 Q. Do you know whether lethal arrhythmia is
12 associated with severe obstructive sleep apnea?

13 A. I am uncertain. I believe there is some
14 association, but I am not certain.

15 Q. Lethal arrhythmia would result in a sudden
16 death, wouldn't it, Doctor?

17 A. Well, I guess I should clarify that, that it
18 may lead to some irritability, but I am not an
19 expert in this area.

20 Q. So you would defer to someone that was an
21 expert on sleep apnea in regard to whether or not
22 severe obstructive sleep apnea is associated with
23 sudden death or lethal arrhythmia?

24 A. It is one area where I don't independently
25 manage.

1 Q. So you would defer to an expert in that area,
2 correct?

3 A. Yes.

4 Q. Doctor, have you, in the course of your
5 practice, treated patients with obstructive sleep
6 apnea?

7 A. In the course of my practice where I teach
8 residents and medical students, there have been some
9 cases, not a lot of cases, with some of my
10 colleagues, but they have been managed by a
11 specialist.

12 Q. Prior to the time that Patricia Smith was
13 diagnosed with severe obstructive sleep apnea, how
14 many patients had you, personally, seen, treated,
15 taken care of, with obstructive sleep apnea? And I
16 am speaking of adult patients.

17 A. I have not had any private patient of mine
18 where I managed for that disorder. And I am --
19 there may have been a few patients, from some of my
20 colleagues, but they were all managed by a
21 specialist.

22 Q. What is a polysomnogram?

23 A. I understand it is a test that evaluates an
24 individual's sleeping pattern, and it helps evaluate
25 the level of oxygen that occurs during sleep, the

1 type of sleep the patient has, I think it also
2 evaluates the cardiac rhythm during that time. I
3 have had no formal training in that area, so I would
4 defer to a specialist.

5 Q. And prior to the one that was ordered on
6 Patricia Smith, had you ever ordered a polysomnogram
7 for one of your patients?

8 MS. PETRELLO: Let me object to the
9 extent that question implied that he ordered
10 a polysomnogram.

11 Q. (Continuing) Did you order a polysomnogram on
12 Patricia Smith?

13 A. It was requested by a specialist I was
14 working with.

15 Q. Did you make the request for the
16 polysomnogram?

17 A. I made it after the specialist requested me
18 to do so.

19 Q. But you actually made the arrangements to
20 have the test done, correct?

21 A. Because of the way managed care works, the
22 primary care physician has to request a test.

23 Q. And prior to the time that you made the
24 request on Patricia Smith, had you ever made a
25 request for polysomnogram for any other of your

1 patients?

2 A. I believe only a few times, but usually I
3 have consulted with a specialist throughout my
4 training.

5 Q. Doctor, do you know how severe obstructive
6 sleep apnea is treated?

7 A. There are certain measures depending upon it.
8 From what I understand, a lot of it is some
9 lifestyle behavior modifications that are requested.
10 Sometimes there is the use of appliances to assist
11 with the opening of the mouth. There is also the
12 use of so-called CPAP, which is continuous air
13 pressure. In severe cases, they have a tracheostomy
14 performed. Most of the cases, especially more mild
15 forms, it is usually doing more conservative things,
16 such as weight loss.

17 But again, this is an area where I imagine it
18 would be decided by the specialist that I would
19 utilize.

20 Q. Have you ever ordered CPAP for a patient of
21 yours?

22 A. No.

23 Q. And that is an area that you would defer to
24 an expert in that area?

25 A. That is correct.

1 Q. In 1995 and '96, how many days a week were
2 you in the Family Practice Center?

3 A. Pretty much, I would say, every day. I, as a
4 physician who is also an academic and a clinical,
5 sometimes I would be assigned times to be in the
6 hospital, other times I would be in the practice,
7 and other times may be involved in teaching.

8 Q. But physically in the Family Practice Center,
9 were you there on a daily basis, usually?

10 A. Yes.

11 Q. Were there any set hours that you were there?

12 A. It would vary how my schedule would occur.
13 There were some half days. I don't recall exactly
14 which were half days at that time that I would be
15 there. But usually a majority of my time would be
16 in the Family Practice Center seeing patients or
17 precepting.

18 Q. And if you weren't there, you might be in the
19 hospital somewhere?

20 A. The hospital, or administrative office.

21 Q. And were you reachable by pager or some other
22 method, if you weren't in the Family Practice
23 Center?

24 A. I usually carry a beeper, especially since I
25 do obstetrics, as well, to be available.

1 Q. And in regard to the time period of 1995 and
2 1996, would you just describe what your duties and
3 responsibilities as an attending physician in the
4 Family Practice Center would be?

5 A. My duties are to evaluate and treat my panel
6 of patients, and if there is an additional sick
7 patient that needs to be seen, to precept medical
8 students and residents and oversee their care of the
9 patients of the Family Practice Center.

10 Q. Doctor, you would agree that as an attending
11 physician in the Family Practice Center, you had a
12 duty to be aware of the clinical history and the
13 other information available in the Family Practice
14 Center chart of the patients that you were treating,
15 correct?

16 A. Yes, though it also depends -- how rigorous
17 you evaluate the chart depends upon the case and
18 situation. For example, a one year old with a fever
19 and pulling at their ears may not require as much of
20 an investigation as someone coming in with abdominal
21 pain, who has had previous surgeries, requires a
22 more thorough evaluation.

23 Q. Was Patricia Smith assigned to your panel of
24 patients?

25 A. Yes, she was.

1 Q. And would you agree that in regard to the
2 information that was contained in her chart, that
3 you, as an attending physician, had a duty to be
4 aware of the information that was contained in her
5 chart?

6 A. I reviewed the case of the patient, and I saw
7 her, and discussed with her. I would say I reviewed
8 those, and determined my management and care of the
9 patient based on that.

10 Q. So would that be a yes to my question, that
11 you have a duty to be aware of the information
12 contained in Patricia Smith's chart, because she was
13 a patient assigned to your panel?

14 A. Yes,

15 Q. When your patients were being seen by the
16 medical students or the residents, and then on a
17 follow-up visit you saw the patient, did you go back
18 and take a look at those notes that occurred prior
19 to the time that you cared for the patient? And I
20 am speaking of a patient that was on your panel.

21 A. I typically do review everything. I can't
22 remember the exact particulars, but usually I review
23 the general -- what I can take from the chart to
24 assist me in my management. But a lot of times,
25 when I first see a patient, I will start from

1 scratch and really ask them a lot of questions.

2 For example, my first visit with the patient,
3 I had two and a half pages worth of notes, because I
4 tried to go through issues the patient was concerned
5 with, but also to look more thoroughly through the
6 patient's family history, and how those things may
7 affect the patient so I can assist in the management
8 from that point on.

9 Q. As we sit here today, do you have an
10 independent recollection of Patricia Smith?

11 MR. BETZ: She means by that, apart
12 from what you recall after looking at the
13 chart.

14 A. I mean, very much, I remember the patient, if
15 that is what you are asking.

16 Q. Yes.

17 A. Yes, I do remember the patient.

18 Q. And we spoke earlier, we said that the first
19 time that you rendered care to Patricia Smith, I
20 believe, was in December of 1993; is that correct?

21 A. That is correct.

22 Q. And at that time, you were her attending
23 physician; is that correct?

24 A. Yes.

25 Q. How is it that Patricia Smith came to be

1 under your care, how was that assignment made?

2 A. All patients who come to the Family Practice
3 Center choose to follow up with a number of primary
4 care physicians there, including attendings and
5 residents, to follow them.

6 In her specific case, she had been previously
7 followed by one of my colleagues, Dr. John Sebas.
8 Dr. Sebas had left town to go back to his
9 family's -- be with his family, and I took over his
10 panel of patients.

11 Q. So Pat Smith didn't specifically choose you,
12 she was assigned to your care; would that be fair?

13 A. I am not certain. I think patients of
14 Dr. Sebas were informed that I was taking over his
15 patients, but if they had another physician that
16 they had seen, they definitely would be permitted to
17 follow up with that physician.

18 Q. Now, Doctor, I would like you to take a look
19 at the note that I believe is written on December
20 9th of 1993.

21 A. Yes.

22 Q. Was that a visit that you saw Patricia Smith?

23 A. Yes, it was.

24 Q. And those notes are in your handwriting; is
25 that correct?

1 A. Yes, it is.

2 Q. And one of the complaints that Patricia Smith
3 had at that particular visit was poor sleep; is that
4 correct?

5 A. She did mention that.

6 Q. And at that visit, did you determine what was
7 causing her poor sleep?

8 A. She had a rather positive depression
9 inventory that I obtained. She described a
10 tremendous amount of stress, both mentally and
11 physically. She had some structural problems that
12 are described with her shoulders and her foot.

13 She talked about a tremendous amount of
14 stress that she had. She talked about stresses she
15 had with her family. And because of that, I also
16 took the time to thoroughly look at her family, and
17 see the medical problems associated with that, and
18 the stresses she incurred, for example, with the
19 problems with alcohol in the family, and how this is
20 impacting upon her and her children.

21 And from that, I created a depression
22 inventory that described poor sleep, along with
23 changes in her diet, increased eating secondary to
24 stress, she had a blues feeling, and periods where
25 she was rather tearful.

1 Q. And from what you just told me, were you
2 attributing her poor sleep to the symptoms of
3 depression that you saw?

4 A. I felt that she -- it was in line with the
5 other symptoms, and I felt that she had some level
6 of depression associated with a tremendous amount of
7 stress that she was describing.

8 Q. Well, Doctor, I am trying to get at what was
9 causing the poor sleep?

10 A. My feeling at that time was that that was
11 associated, at that visit, my first time seeing her,
12 I felt it was associated with the fact that she was
13 depressed and had a lot of stress --

14 Q. Thank you.

15 A. -- which can affect sleep.

16 Q. Did she have any signs or symptoms that would
17 put her at increased risk for obstructive sleep
18 apnea at that time?

19 A. The patient was obese, and did have a
20 suddenly elevated blood pressure. But in each of
21 those areas I also was dealing with a decrease in
22 those risks, that, and other concerns, by trying to
23 get her to go through dietary changes, exercise and
24 to change these lifestyle concerns.

25 Q. Did you take any history to rule out

1 obstructive sleep apnea as the cause of her poor
2 sleep at the December 9th, '93 visit?

3 A. At that time, the patient did not describe,
4 or based on the note I have here, did not describe
5 any extra characters of her sleep that would lead me
6 in that direction.

7 Q. So the answer is no, you did not take any
8 history to rule out obstructive sleep apnea; is that
9 correct?

10 MR. BETZ: I don't think that is the
11 import of his testimony, but go ahead.

12 MS. TOSTI: That is what I am asking
13 him.

14 A. At that time, it was not something that was
15 apparent on history.

16 Q. So you did not take any specific history to
17 rule out obstructive sleep apnea because you did not
18 see any indicators for it; is that a correct
19 statement?

20 A. That would be correct.

21 MS. CUTHBERTSON: Can we take a break
22 in a couple minutes, please?

23 MS. TOSTI: Sure. Now would be fine,
24 if you would like to.

25 MS. PETRELLO: That would be great.

1 (Short recess had.)

2 BY MS. TOSTI:

3 Q. Doctor, would you agree that obstructive
4 sleep apnea could have been the cause of her poor
5 sleep?

6 A. Based upon what I have ascertained here, I
7 can't really assess that.

8 Q. But you know later she was diagnosed with
9 severe obstructive sleep apnea?

10 A. Uh-huh.

11 Q. And retrospectively, although you didn't have
12 the information at the time, wouldn't you agree that
13 it is possible that her poor sleep could have been
14 the result of obstructive sleep apnea?

15 MR. BETZ: I am going to object to
16 questions in terms of possibilities, but go
17 ahead and answer.

18 A. It is always possible, but didn't seem
19 apparent at that time.

20 Q. And I appreciate that, Doctor, because you
21 didn't have the information from the polysomnogram
22 at that time.

23 Her blood pressure was 140/92 at the
24 December --

25 A. 9th.

1 Q. -- 9th visit. Did that raise any concern in
2 your mind?

3 A. Well, there were a whole series of things
4 that were going on.

5 Q. I would like to speak to the blood pressure.

6 A. And that led to risk modification
7 immediately, with that.

8 Q. So would it be fair to say that it did raise
9 a concern to you?

10 A. It was something that I noted and was
11 following with that, and wanted to see the patient
12 in several weeks to follow up on that.

13 Q. Okay.

14 And I believe you said previously, Doctor,
15 that you were aware that hypertension is associated
16 with obstructive sleep apnea; is that correct?

17 A. Yes, I know now that hypertension has an
18 association with obstructive sleep apnea.

19 Q. Doctor, I would like you to refer to the
20 clinic notes of January 27th, 1994 which I believe
21 were written by a Doctor -- and I hope I say his
22 name correctly -- Whitley?

23 A. Dr. Whiting.

24 Q. I am sorry?

25 A. Whiting.

1 Q. Whiting?

2 A. Yes.

3 Q. If you take a look at item Number 7 that

4 Dr. Whiting has recorded here, I believe it says,

5 concern about past irregular heartbeats; do you see

6 that entry under Number 7?

7 A. Yes.

8 Q. Did Dr. Whiting discuss these findings with

9 you on the day of that visit?

10 A. I do not believe so.

11 Q. Was Dr. Whiting a resident or a medical

12 student at the time that he saw Pat Smith on this

13 day?

14 A. He was a resident.

15 Q. And would he be required to discuss that

16 particular visit with an attending physician?

17 A. Yes, he should have, or if -- well, he also,

18 I believe on that date, would be reviewed -- all the

19 charts are reviewed by attending physicians.

20 Q. And she was on your panel of patients?

21 A. Correct.

22 Q. So would you have been the attending

23 physician to review this particular visit note?

24 A. Not necessarily. If someone came in by a

25 sick visit, it would be reviewed by the attending

1 physician who was there at that time.

2 Q. And you don't have any recollection of
3 specifically talking with Dr. Whiting about concerns
4 that Pat Smith had in regard to past irregular
5 heartbeats, correct?

6 A. I do not remember that.

7 Q. You have indicated to me that as an
8 attending, you have a duty to know the information
9 that is in your patient's chart. Are you aware of
10 any follow-up that was done regarding Pat Smith's
11 complaints about irregular heartbeats?

12 A. I do not believe that that is a complaint
13 that she, on follow-up visits to myself, discussed.

14 Q. Would you agree that complaints of irregular
15 heartbeats in a patient such as Pat Smith should be
16 investigated?

17 A. If the patient discussed with me that she had
18 irregular heartbeats, and that was persisting, then
19 that would require follow-up.

20 Q. And you did not specifically do any follow-up
21 because she didn't complain to you specifically
22 about past irregular heartbeats; would that be fair?

23 MS. CUTHBERTSON: Are we talking about
24 this visit?

25 MS. TOSTI: I am talking about

1 anytime.

2 Q. (Continuing) Did you ever do any follow-up
3 for her complaints of past irregular heartbeats, at
4 any point in time?

5 A. She had no subsequent complaints of irregular
6 heartbeats after that.

7 Q. Did you make any inquiry in regard to whether
8 she had any complaints of irregular heartbeats, at
9 any time?

10 A. I can only base it on my record, and I don't
11 see any mention or discussion of that.

12 Q. When a patient complains of past irregular
13 heartbeats, what type of follow-up would be
14 warranted?

15 A. It depends completely upon the history,
16 physical examination, to determine appropriate tests
17 to be done.

18 Q. Doctor, would you agree that that type of a
19 complaint would warrant at least an
20 electrocardiogram?

21 MS. CUTHBERTSON: Object.

22 Just for the record, you can answer,
23 if I put an objection on.

24 A. It again really depends upon the history and
25 the physical exam that go along with that. Not

1 everyone who has chest discomfort, or has -- their
2 interpretation of, you know, irregularity, a lot of
3 people with anxiety have associated kind of feelings
4 in their chest. I mean, there are numerous
5 etiologies that may not require subsequent further
6 evaluation, other than a good history and physical
7 exam.

8 Q. But in a patient such as this, Patricia
9 Smith, with her history that you are aware of, and
10 the complaint of concerns about past irregular
11 heartbeats, should an EKG have been done at that
12 visit?

13 A. I wasn't the treating physician at that time,
14 so I cannot make a decision based upon the
15 information in front of me.

16 Q. But Doctor, you are her attending physician,
17 and you were overseeing her care, perhaps not at
18 this particular visit, but based on what you knew
19 about Pat Smith up to that point in time, the higher
20 blood pressure that you noted previously, all of the
21 cardiac risk factors that this lady had, would you
22 agree that an EKG should have been done at this
23 visit, with a complaint of concerns about past
24 irregular heartbeats?

25 A. It is really difficult to comment on that,

1 because also on my previous visit I noticed some
2 level of anxiety and some other factors, and I
3 honestly can't tease that out.

4 Q. Wouldn't an EKG have been helpful in
5 determining whether there was a specific cardiac
6 problem?

7 A. Like I said, looking at this chart in
8 relation to a multitude of complaints, you know, I
9 cannot really make a full opinion upon that, or what
10 she meant by that.

11 Q. Would you agree that follow-up should have
12 been done on a complaint like that, some type of
13 follow-up?

14 A. A lot of times we do follow patients to see
15 if they have persistent symptoms that go on. If
16 someone described to me that they had had -- felt an
17 irregular heartbeat ten years ago, but had not
18 described any subsequent discomfort, I don't, you
19 know, think further workup would be required or does
20 not require electrocardiogram or further tests at
21 that time.

22 Q. But in this particular instance, we have a
23 patient coming in and saying that she is concerned
24 about past irregular heartbeats. I don't know that
25 that would have occurred ten years before, Doctor.

1 A. Yes. I am just saying, too, that I am
2 uncertain about the character of that, and what it
3 requires. And I noticed that it was not a
4 subsequent complaint of hers, so it is hard for me
5 to decide whether or not an electrocardiogram was
6 required at that visit or subsequently.

7 Q. Now, Doctor, after that visit that we were
8 just speaking about, which is dated January 27th of
9 1994, when is the next time that you saw the
10 patient?

11 A. Let's see. I saw the patient December, '93.
12 Then I saw her -- she did not follow up with me
13 until August of '94, though I wanted to see her
14 three to four weeks after I saw her in December of
15 '93. So she didn't come back until August 19th of
16 1994.

17 Q. Well, she was seen before that, wasn't she,
18 in June of '94?

19 A. Uh-huh.

20 Q. You just didn't see her, correct?

21 A. No, I did not.

22 Q. Dr. Whiting saw her, correct?

23 A. Uh-huh.

24 Q. And the time that you saw her was August 19th
25 of 1994; is that correct?

1 A. Yes, it is.

2 Q. And why was she at the clinic that day?

3 A. She was in for a checkup, they described
4 here. At that visit she came in describing an
5 overwhelming feeling that she gets --

6 Q. Just because it is a little difficult to
7 read, if you could just read the beginning part of
8 your note, so that I can --

9 A. Sure. This 40 year old black female with
10 complaints of, quote unquote, overwhelming feeling,
11 comes on fast and resolves rapidly. Talked to us
12 about this occurring over the past seven to eight
13 months. She described increased amount of stresses,
14 describes the stress with raising her kids, there
15 are too many people. The family that they are
16 living with, the brother was drinking and, quote,
17 gets on my nerves, end of quote.

18 She works as a school bus driver, quote, I am
19 running all the time, end of quote.

20 Her kids and mother -- I guess she is running
21 all the time for her kids and her mother and, quote
22 unquote, has no time for myself.

23 Q. Okay, that is fine.

24 Now, at this visit, did you review the notes
25 from the previous visits that Pat Smith had had that

1 you were not in attendance, the notes of January
2 27th, '94 and June 3rd, '94?

3 A. I might have. I did not make any notation of
4 that.

5 Q. Wouldn't it be important to determine if
6 there were any continuing problems that you needed
7 to know about?

8 A. Yes.

9 Q. Now, if you look at the notes of January 27th
10 and June 3rd, you will note that Patricia Smith
11 complained of fatigue at both of those visits. And
12 I will give you a minute just to look at those.

13 On June 3rd, it is done under the A of the
14 SOAP note.

15 A. Okay.

16 Q. And on the 27th, it was item Number 6.

17 So when you saw her on August 19th of 1994,
18 did you make any inquiry as to how she was sleeping
19 when you saw her?

20 A. I don't see any notation to that.

21 Q. Wouldn't that be something that a reasonably
22 prudent physician would want to follow up, if that
23 was a continuing problem she was having?

24 A. She obviously had some more concerning
25 problems with this overwhelming feeling that she was

1 describing, and it looks like on this visit it was
2 so significant that she had multiple concerns I
3 spent time working with her on, that I focused on
4 that, and dealing with that.

5 Q. So you did not specifically make inquiry as
6 to how she was sleeping, based on the notes that you
7 have there, correct?

8 A. That is correct.

9 Q. When you saw her on August 19th, did you ask
10 her whether she had any more irregular heartbeats?

11 A. That is not something that came up in our
12 encounter.

13 Q. She didn't volunteer any information in
14 regard to her heartbeats, and you didn't ask her any
15 specific questions that you recall?

16 A. It appears that way.

17 Q. Do you know what caused her irregular
18 heartbeats?

19 A. I cannot say.

20 Q. Doctor, patients can have intermittent
21 episodes of cardiac arrhythmia, correct?

22 A. That is correct.

23 Q. And if you take an apical rate at a
24 particular time on a patient, you may or may not
25 catch a cardiac arrhythmia if the patient isn't

1 having it at that particular point in time, correct?

2 A. That is correct.

3 Q. Doctor, I would like you to take a look at
4 the notes of February 14th, 1994.

5 A. Okay.

6 Q. I am sorry, '95.

7 A. (Witness complies).

8 Q. Were you in attendance during this particular
9 clinic visit?

10 A. I was not.

11 Q. If you look down at the bottom of the note,
12 do you recognize who wrote this particular note?

13 A. Yes, it was Warren Wong, M.D.

14 Q. If you look down at the bottom of the note,
15 under the A --

16 A. That is Dr. Ann Witherspoon.

17 Q. It indicates, follow-up with Dr. Rowane for
18 WAC; do you see that?

19 A. Well adult care.

20 Q. And then on the next line, I believe it says,
21 will need EKG, and then --

22 A. Baseline.

23 Q. -- baseline is written in above that, next
24 visit; do you see that?

25 A. Uh-huh.

1 Q. Do you know why an EKG was done on Patricia
2 Smith on this particular visit?

3 A. At this time, her blood pressure became more
4 significant, that it was considered a baseline study
5 for someone now who is demonstrating true
6 hypertension.

7 Q. I think I misspoke here, because it says,
8 baseline at the next visit.

9 Did Doctor -- I am sorry, who did you say
10 wrote this note, Doctor --

11 A. Wong.

12 Q. Dr. Wong.

13 Did Dr. Wong discuss this particular visit
14 with you?

15 A. I don't remember.

16 Q. And it is your belief that the reason that
17 they were going to do an EKG on her was because of
18 the hypertension that she was exhibiting; is that
19 correct?

20 A. Yes.

21 Q. The next visit is on February 21st, 1995; do
22 you see that?

23 A. Yes.

24 Q. Were you precepting Dr. Leventhal at that
25 visit?

1 A. Dr. Leventhal does note that he has discussed
2 the case with me, so I probably did precept the case
3 or he got in touch with me concerning that.

4 Q. Do you know whether or not you actually saw
5 Patricia Smith at that visit?

6 A. I do not remember.

7 Q. But it is likely that at least the
8 information from that visit was discussed with you;
9 is that correct?

10 A. Correct.

11 Q. The last part of the note says, discussed
12 with Dr. Rowane.

13 Do you have any recollection as to what
14 Dr. Leventhal discussed with you at that visit?

15 A. Not off the top of my head. I am sure he
16 probably presented the case to me about the patient,
17 and may have informed me that he needed to increase
18 her antihypertensive medicine.

19 Q. Would that be the usual scenario when you
20 were precepting a physician on a visit such as this,
21 that you would sit down and discuss their findings?

22 A. Yes. In some cases, though, they may even
23 page us or get in touch with us and talk to us about
24 a case, and may present that.

25 Q. Now, there was an EKG that was done at this

1 visit, correct?

2 A. That is correct.

3 Q. Did you interpret the EKG that was done at
4 this February 21st, 1995 visit?

5 MR. BETZ: At that time, or any time?

6 MS. TOSTI: At the time of the visit,
7 let's start with that.

8 A. I don't believe so, because I did not sign
9 the EKG.

10 Q. If you were precepting Dr. Leventhal and an
11 EKG was done, if he was doing a presentation to you,
12 would he present to you that EKG, usually?

13 A. Typically. But in this case, I can't
14 remember if he presented to me in person or
15 discussed with me over the phone, I am not certain.

16 Q. If it was in fact over the phone, would
17 anyone, besides Dr. Leventhal, be looking at that
18 EKG? Did he have anyone else that would be
19 responsible for interpreting it at the time of the
20 visit?

21 A. Typically, EKGs are reviewed with the
22 attending that is there, but I know that I did not
23 sign this, so I may not have been there at that
24 time, and he may have just gotten in touch with me
25 by phone.

1 Q. What level medical personnel was
2 Dr. Leventhal at the time of this particular visit?
3 And by that I mean, what year in school or --

4 A. He was a resident physician, and I believe he
5 may have been a senior resident at that time, a
6 third year resident, second or third year resident.
7 I think he was a third year resident at that time.

8 Q. So if he was in fact in contact with you,
9 would he be required to take that EKG to anyone else
10 to have them look at it, if you in fact were not
11 available?

12 MS. CUTHBERTSON: Object.

13 Go ahead.

14 A. It depends. He may have described the
15 situation to me and based it on that. I really
16 can't make a full comment on that.

17 Q. Now, Doctor, you saw Patricia Smith, I
18 believe, at the next visit, correct?

19 A. Yes, I did.

20 Q. And another EKG was done at that visit,
21 correct?

22 A. Yes, it was

23 Q. And at that point in time, you did have an
24 opportunity to look at both the EKG that was done on
25 the 21st --

1 A. Yes.

2 Q. -- February 21st, as well as an
3 electrocardiogram that was done on March 13th, when
4 you saw her, correct?

5 A. That is correct.

6 Q. And you had an opportunity to compare the
7 two?

8 A. That is correct.

9 Q. The EKG of February 21st, 1995, would you
10 agree that that was an abnormal EKG?

11 A. It had some nonspecific findings in a certain
12 number of the leads.

13 Q. I would like you to describe anything that
14 you deem to be a significant deviation from normal?

15 A. Looking at --

16 Q. And you are looking at, I believe, the
17 February 21st EKG, correct?

18 A. February 21st.
19 I think there was a question on the ST
20 segment on V3 to V6.

21 Q. What was the question?

22 A. Well, she had a nonspecific change in the T
23 wave.

24 Q. Can I see the copy that you are looking at?

25 A. (Witness complies).

1 Q. Is there anything else that you see that you
2 would deem to be a deviation from normal on that
3 February 21st EKG?

4 A. There are some slight nonspecific T wave
5 findings in leads 2 and AVF.

6 Q. And what specific T wave findings are we
7 talking about?

8 MS. CUTHBERTSON: Pardon me, did you
9 say nonspecific?

10 THE WITNESS: Yes, nonspecific.
11 Nonspecific.

12 Q. (Continuing) What are you seeing?

13 A. The T wave has some mild inversion.

14 Q. And which lead is that again?

15 A. 2, AVF.

16 Q. Now, I believe that Dr. Leventhal described
17 peak T waves in the anterior leads. Are there peak
18 T waves in the anterior leads?

19 A. If he was looking at V2 and V3, and I think
20 he was questioning that.

21 Q. Now, there is a circle that is drawn around a
22 complex in V2 and a complex in V3?

23 A. Yes.

24 Q. Do you see that on your copy?

25 A. Yes, I do.

1 Q. Do you know who drew those circles on the
2 EKG?

3 A. I do not.

4 Q. To your knowledge, did you do that?

5 A. I do not believe so.

6 Q. Doctor, what would cause a patient to have
7 peak T waves in the anterior leads?

8 A. There are a number of possibilities, but it
9 has to be taken in context with the history and the
10 physical exam. Some patients have some variation to
11 their EKG where they may have some nonspecific
12 findings. There also is association with possibly
13 some underlying problems and metabolic problems that
14 can also be attributed to that.

15 Q. Do you have an opinion as to what was causing
16 Patricia Smith's peak T waves in the anterior leads?

17 A. I wasn't certain. I think that is why I
18 repeated the EKG.

19 Q. And I will ask you again, do you have an
20 opinion as to what was causing her peak T waves in
21 the anterior leads?

22 A. At this time, no.

23 Q. Did you consider the EKG of February 21st to
24 be a normal EKG, after you had an opportunity to
25 repeat it at the March 13th visit?

1 A. I saw some variation between the EKGs, and
2 some variations can occur with lead placement. And
3 I was also uncertain of the fact that I didn't feel
4 she had, based upon the history, a more -- as a
5 primary etiology, a cardiac etiology.

6 And because of that, I made a note of that in
7 my chart. I thought there were some mild changes,
8 but that at that point the patient was clinically
9 stable. And I was going to continue to follow the
10 patient clinically, because I wasn't convinced that
11 that primary etiology was that of cardiac in nature.
12 And I also noted that I was going to consider doing
13 a stress test to check for ischemia with exercise if
14 her etiology became more apparent.

15 Q. Doctor, would you agree that the EKG of
16 February 21st of '95, taken together with the EKG of
17 March 13th of '95, should have raised a concern for
18 cardiac ischemia in Patricia Smith?

19 A. It was something that I mentioned in my note,
20 that I noted some changes, but based upon a history
21 and physical exam, I felt that was in the
22 differential, but I had a series of problems, the
23 patient had a series of medical problems. And
24 according to my differential diagnosis, I didn't
25 feel that was as likely, but it was something that I

1 put on my differential and wanted to watch for and
2 was going to consider.

3 Q. Well, what, other than cardiac ischemia in
4 Patricia Smith, would have caused the differences
5 between the two EKGs that you saw?

6 A. Sometimes lead placement can show a bit of a
7 change with that. T waves can also be very --
8 sometimes can respond to a number of different
9 situations.

10 Even cases of anxiety and other areas, it is
11 very nonspecific, the changes that can occur, so
12 there is a multitude of different etiologies that
13 can cause some changes with that.

14 And I relooked into both of those, and in a
15 comparison with my evaluation on March 13th, it was
16 on my differential, but it wasn't high enough to
17 require an immediate workup of that at the time.

18 Q. Did you believe that the differences between
19 the February 21st and the March 13th EKG was due to
20 inappropriate lead placement?

21 A. I didn't make a note of that at that time,
22 but I did make a note demonstrating there were some
23 mild changes with that, and described the fact the
24 patient was clinically stable, and I need to
25 clinically follow up on that to consider further

1 testing if warranted.

2 Q. Now, Doctor, at the March 13th, '95 visit,
3 Patricia Smith had complaints in regard to some
4 chest discomfort, correct?

5 A. Yes.

6 Q. If you could look down, I believe it is in
7 the middle of the page, could you read us what you
8 wrote in regard to that complaint?

9 A. Yes, I can.

10 Described chest discomfort in the right
11 chest. I put a question mark by tight, and that I
12 wasn't -- I put a question mark by that, it probably
13 means that I wasn't convinced --

14 Q. Doctor, I would just like you to read what
15 you wrote there, not interpret it at this point in
16 time.

17 A. Okay.

18 Question mark by tight two weeks ago and one
19 week ago, lasting only a few minutes. Then she also
20 describes a feeling in the right side of the back
21 and a question of the neck.

22 Q. Now, Doctor, you had an EKG that had some
23 changes on it from the previous visit, that then --
24 and correct me if I am wrong -- normalized at this
25 visit, in a patient that was complaining of two

1 episodes of possibly chest tightness. Did that
2 raise a high concern for cardiac ischemia in
3 Patricia Smith?

4 A. The patient had a multitude of medical
5 problems, including very well documented problems
6 with peptic ulcer disease and multiple other
7 structural problems, and based upon the other
8 symptoms the patient had, I wasn't convinced that
9 this was coronary in nature.

10 Q. Doctor, did you take a thorough history in
11 regard to this chest discomfort that she was having?

12 A. Yes.

13 Q. And was this pain radiating?

14 A. She described some discomfort she had in the
15 right side of her back and the neck, but I did not
16 note it as radiating. But there were other symptoms
17 that she had, and she had these complaints, well
18 documented structural problems in these areas, as
19 well.

20 Q. What was she doing when this particular pain
21 occurred in those two episodes that you have
22 recorded?

23 A. I am not certain.

24 Q. Do you know when she had the pain?

25 A. I know she had had it two weeks and one week

1 prior to this.

2 Q. Wouldn't you agree that those questions as to
3 what she was doing would be an important piece of
4 information in diagnosing the cause of the chest
5 pain or the chest discomfort?

6 A. Possibly.

7 Q. Did Patricia Smith have any risk factors for
8 coronary artery disease at the time that you saw her
9 on March 13th, '95?

10 A. Patricia Smith had a series of risk factors
11 in that her blood pressure was elevated, she was
12 obese, she was smoking, she had a borderline
13 elevation of cholesterol from the first day I saw
14 her. I was working on risk reduction in all of
15 these matters.

16 Q. In regard to her chest complaints, what was
17 within your differential diagnosis?

18 A. A lot of -- she had structural problems, she
19 had well documented structural problems, including
20 multiple joints that were bothering her that could
21 be attributed to this, as well. Since this is in
22 the right side, rather than the left, it is known as
23 being typical of someone having a cardiac problem.

24 She also had problems with peptic ulcer
25 disease, and just basing it on my note here, I

1 described most of the structural problems that she
2 has had associated with that.

3 Q. Did you take any action to rule out coronary
4 ischemia as the cause of this chest discomfort at
5 that March 13th, '95 visit?

6 A. I had obtained the EKG at that time, in
7 conjunction with my history and physical
8 examination.

9 Q. And Doctor, correct me if I misstate what I
10 believe you said previously, that you included
11 coronary artery disease within your differential
12 diagnosis, but you didn't believe that it was a high
13 priority?

14 A. What I stated was that I saw some mild
15 changes, but I noted the patient was clinically
16 stable. I mentioned that I was going to clinically
17 follow that, and I also mentioned that I was going
18 to consider a stress test to check for ischemia, if
19 they had further clinical indication, and that that
20 may be an underlying etiology.

21 Q. Why did you do an EKG on March 13th?

22 A. Because the patient described some chest
23 discomfort.

24 Q. And the EKG that you did on -- or you had
25 done on March 13th, did you consider that EKG to be

1 normal, or within normal limits for this patient?

2 A. I made a note that there was some mild
3 flattening of the T waves themselves before V6 -- in
4 V3 to V6, but at that time I felt that the patient
5 was clinically stable, and was going to continue to
6 follow. I was going to follow her clinically for
7 that.

8 Q. What would cause a patient's T waves to
9 flatten in V4 through 6?

10 A. There are multiple etiologies that can -- it
11 can be a variation, let's say normal variation for
12 that patient.

13 There is the possibility of ischemia, and
14 that is why I noted that those -- that it can be a
15 multiple -- there are sometimes electrolyte
16 disturbances and other things that can cause
17 changes.

18 Q. What, in your opinion, was the cause of the
19 differences between Pat Smith's February EKG and the
20 one that was done in March?

21 A. The time that I -- based on my notes at this
22 time, I didn't elaborate on that as much, except to
23 note that I saw some mild changes that I had noted,
24 but I again felt the patient was clinically stable,
25 I didn't feel the full constellation of symptoms

1 pointing to that as being cardiac in nature at that
2 time.

3 Q. Did you ever ask a cardiologist to take a
4 look at these two EKGs?

5 A. No.

6 Q. Was a cardiologist available to you in the
7 Family Practice Center, or was there one available
8 to you for consultation if you chose to do that for
9 a patient?

10 A. Yes.

11 MR. BETZ: It was a two part question.

12 I am not sure which of the parts that the
13 witness is answering.

14 A. (Continuing) We do not have a cardiologist
15 within the Family Practice Center. We do have the
16 availability to seek a consult with a cardiologist.

17 Q. Doctor, in regard to your notes from the
18 March 13th visit, I would like you to take a look at
19 the very last portion of them.

20 A. (Witness complies).

21 Q. There is a word in a circle there, about
22 three lines from the bottom. What is that word?

23 MR. BETZ: On the left-hand column?

24 MS. TOSTI: Yes.

25 A. Note.

1 Q. It says, note?

2 A. Yes.

3 Q. What does the check mark in front of the word
4 EKG mean?

5 A. I probably was annotating that I was
6 referring to this portion of the note, looking at
7 the EKG. I wrote it to myself, that there were some
8 mild changes that I wanted to follow.

9 Q. I am sorry, that there was what?

10 A. As I say, there were some mild changes, that
11 I felt the patient was clinically stable, but I
12 wanted to continue to follow that.

13 Q. And would you just read that note from the
14 point where the word "note" is circled?

15 A. Certainly.

16 Check EKG. Mild changes in T waves/ST
17 complex, V3 to V6, flattening.

18 Next line, patient is clinically -- patient
19 is clinically stable, but will require clinical
20 follow-up.

21 To consider stress test to check ischemia
22 with exercise.

23 Q. Now, at the time that you had this EKG done,
24 she was not having any clinical symptoms of chest
25 tightness or anything associated with that; is that

1 correct?

2 A. Not at that visit, nor at subsequent visits.

3 Q. And you would agree that cardiac ischemia was
4 within your differential diagnosis at that
5 particular visit, correct?

6 A. Yes.

7 Q. And you had indicated from what you just read
8 that you were considering doing stress testing on
9 her to check for cardiac ischemia with exercise,
10 correct?

11 A. I noted that at that visit, she was
12 clinically stable, but it would require clinical
13 follow-up, and based upon that, I would consider
14 utilizing a stress test.

15 Q. And the reason that you were considering
16 cardiac stress testing was because you were
17 concerned that Patricia Smith may be experiencing
18 cardiac ischemia from coronary artery disease,
19 correct?

20 A. The differential of chest discomfort is very
21 large, so there are a lot of etiologies. And a lot
22 of times I write down multiple etiologies on my
23 notes, with some recommendations for myself, or if a
24 subsequent physician picks up the chart, to think
25 about if she had any symptoms that may point to that

1 more.

2 Q. And again, the reason that you were
3 considering stress testing in Patricia Smith's case
4 was because you had some concern that this chest
5 discomfort and what you saw on the EKG may be
6 related to cardiac ischemia, correct?

7 A. It was on my differential diagnosis, but upon
8 my history and exam at that time, I didn't feel that
9 it was high enough to require that test to be done,
10 or that I felt that the complete etiology was
11 ischemia, but I felt there were other reasons
12 associated with that. But, I left a note that in
13 subsequent visits, as we are following the patient
14 clinically, that I would consider doing that.

15 Q. Doctor, cardiac stress testing, the reason it
16 would be done would be to check a patient for
17 cardiac ischemia; is that correct?

18 A. That is correct.

19 Q. And the reason that you were considering it
20 or even thinking about it in Pat Smith's case was
21 because within your differential, cardiac ischemia
22 was a possibility, correct?

23 A. It was in my differential.

24 Q. Correct.

25 And the reason that you considered it in Pat

1 Smith's case was because it was possible that she
2 had cardiac ischemia?

3 MS. CUTHBERTSON: Object to form.

4 Go ahead.

5 A. I didn't feel at that visit that she had
6 ischemic chest pain, but if chest pain persists, or
7 if it became more typical in its presentation, then
8 I would consider following up with a stress test.

9 Q. Did you ever order follow-up cardiac stress
10 testing for Patricia Smith?

11 A. I do not believe she had any further
12 complaint of any chest discomfort.

13 Q. Doctor, I would appreciate it if you would
14 answer my question.

15 Did you ever order follow-up cardiac stress
16 testing for Patricia Smith?

17 A. I am sorry, I didn't understand your
18 question.

19 No.

20 Q. And the reason why you did not order
21 follow-up cardiac stress testing, if you would
22 please tell me the basis for that decision?

23 A. Because I did not feel, based upon my history
24 and exam at that point, and looking at the tests,
25 that she had ischemic cardiac disease at that time.

1 Q. Now, Doctor, during this visit, you noted a
2 murmur on Patricia Smith; is that correct?

3 A. Yes.

4 Q. And that was a Grade I to II over VI murmur?

5 A. That is a very, very light murmur.

6 Q. Was that a new finding?

7 A. I believe it may be. But it is also a very
8 light murmur with that.

9 Q. What was the likely cause of that murmur?

10 A. It may have been just some variation.
11 Sometimes such a low grade murmur like that can be
12 physiologic.

13 Q. And in her case, did you consider this to be
14 a significant finding?

15 A. No.

16 (Thereupon, Plaintiff's Exhibit 2
17 (Rowane) was marked for identification.)

18 BY MS. TOSTI:

19 Q. Doctor, I am going to hand you what has been
20 marked as Plaintiff's Exhibit Number 2, and I am
21 going to ask you if you could please identify this
22 for me? I believe you probably have the original in
23 your medical records.

24 MS. CUTHBERTSON: I think it is in the
25 miscellaneous section.

1 MS. PETRELLO: Jeanne, what is the
2 date on that, 8-3?

3 MS. TOSTI: Yes.

4 A. Here it is.

5 MR. BETZ: The question is, what is
6 it?

7 MS. TOSTI: I would just like him to
8 identify that for me.

9 A. (Continuing) Yes, we have telephone triage
10 slips. So the patients have problems, they would
11 give a call concerning that.

12 Q. And the date on that particular document,
13 that is August 3rd; is that correct?

14 A. Yes.

15 Q. Are those your initials in the lower
16 right-hand corner of the document?

17 A. Yes.

18 Q. And is this a phone message that you
19 received?

20 A. No. The phone message -- the phone message
21 was -- one of the resident physicians obtained that,
22 but I reviewed that afterwards.

23 Q. And in regard to these types of phone
24 messages, how much after they come in would you, as
25 an attending, normally review these messages?

1 A. Usually within a day or two. It depends. If
2 there is more of a concern, then we will be
3 reviewing it that morning.

4 Typically, they hand all the slips from the
5 telephone triage to the attending physician on the
6 inpatient service or the service there, so the next
7 day, they are reviewed.

8 Q. So likely in this case, you saw this phone
9 message within a day or so of the time that it was
10 taken in, correct?

11 A. Yes.

12 Q. Doctor, after you saw this particular
13 message, did you take any action in regard to
14 Patricia Smith?

15 A. I must have asked the patient to come in to
16 see me, because I saw her within the next few weeks
17 after that.

18 Q. Did you call her, or talk to her, or
19 anything?

20 A. I have no record that shows that I talked
21 with her, so I can't speculate.

22 Q. Normally if you called a patient at home and
23 wanted to talk with them about something that was
24 written up on one of these phone messages, would you
25 make a notation in the clinical notes?

1 A. I typically do, but sometimes I may have a --
2 maybe on the way home, I call the patient, and do
3 that. But I do not have an additional note here to
4 acknowledge that.

5 Q. Now, Doctor, contained in this August 3rd
6 phone message, about in the middle of the paragraph,
7 I believe it says, strange episode of unresponsive
8 sleep, suddenly awoke when EMS sternal rubbed her.

9 Do you see that?

10 A. Yes.

11 Q. Doctor, wouldn't this be an episode which a
12 reasonably prudent physician would want to have the
13 patient come in and be followed up on?

14 A. Yes, and I saw the patient within a few weeks
15 after that.

16 Q. This is not something that you would think
17 that a patient should be seen soon after the episode
18 occurred, that it would be okay to wait three weeks
19 to see the patient, or several weeks?

20 A. I probably would -- it is difficult to say at
21 this time. I would probably need to talk to the
22 patient to determine what was surrounding that
23 unresponsive episode.

24 Q. And Doctor, you have no recollection of
25 talking with the patient, and you made no clinical

1 note that you talked with the patient soon after
2 this episode occurred, correct?

3 A. That is correct.

4 Q. And at the time that you saw that note, you
5 had no idea what caused that episode, correct?

6 A. I am uncertain.

7 Q. But you felt that it was okay to wait three
8 weeks to see her, after seeing that note?

9 A. I am uncertain whether I asked the patient to
10 come in sooner or not, and that is when the patient
11 came in. I am uncertain, I can't truly comment on
12 that.

13 Q. Okay, Doctor, I would like you to refer to
14 the clinical notes of August 22nd, 1995.

15 A. Correct.

16 Q. The bottom portion of that note, there is a
17 notation, addendum, and then there is writing that
18 comes after that?

19 A. Correct.

20 Q. Is that your note?

21 A. Yes, it is.

22 Q. Was that particular addendum note written on
23 August 22nd of '95?

24 A. Yes.

25 Q. Under item Number 2 of your note, would you

1 please read that for us?

2 A. Certainly.

3 Patient had episode where she couldn't wake
4 up, parenthesis, did have some alcohol with cold
5 medication, end of parenthesis. Paramedics came
6 over and were able to wake patient up with deep
7 pain. Checked blood pressure, was within normal
8 limits.

9 Q. Now, that notation that you just read to us,
10 does that refer back to the telephone note that we
11 just looked at as Plaintiff's Exhibit Number 2, is
12 that the episode?

13 A. I believe so.

14 Q. Doctor, at the time of that particular
15 episode that is described in the telephone note as
16 well as your clinical note, do you know whether
17 Patricia Smith was lying down for a nap prior to the
18 episode?

19 A. I am uncertain.

20 Q. So you wouldn't disagree with the family if
21 that was their testimony, correct?

22 A. I made comment on what I have kind of written
23 down here at this time, so I didn't comment on that,
24 except she was in a period of time where she was
25 obviously lying down and couldn't wake up, so I

1 don't know the particulars of that.

2 Q. What was within your differential diagnosis
3 regarding this episode, when you saw her on August
4 22nd of '95?

5 A. At this time, I did a neurologic exam, found
6 her to be completely normal, and I also noted the
7 association of this episode was she had some alcohol
8 use and mixed it with cold medication, which I felt
9 that that combination probably accounted for the
10 fact that she had difficulty waking up, and that in
11 my assessment/plan Section Number 2, I felt I would
12 monitor that, I was monitoring her status, and that
13 I had a negative neurologic exam.

14 Q. Do you know how much before this episode the
15 consumption of the alcohol and cough medicine
16 occurred, how much time span there was?

17 A. No, I do not.

18 Q. Doctor, when you saw her on the 22nd, did you
19 have any plan for continued follow-up in regard to
20 this particular episode?

21 A. Yes, I acknowledged in my assessment and plan
22 that I was going to monitor this, that means I would
23 follow it up subsequently.

24 Q. Did you consider sleep apnea within your
25 differential diagnosis at this particular visit?

1 A. No, I did not.

2 Q. And did you take any history in regard to
3 sleep apnea during this particular visit?

4 A. No.

5 Q. Now, Doctor, Patricia Smith was seen again in
6 the clinic on October 5th of 1995, correct?

7 A. Yes.

8 Q. And on that visit, did you see Patricia Smith
9 with Dr. Kevin Martin?

10 A. Yes.

11 Q. And you were acting as Dr. Martin's preceptor
12 at that time?

13 A. Yes, I was.

14 Q. And did anyone, to your recollection,
15 accompany Patricia Smith on this visit?

16 A. I do not see a notation of another family
17 member there, nor do I see a notation of history
18 obtained by anyone other than the patient.

19 Q. And you have no specific memory of anyone
20 else coming with her?

21 A. I honestly don't remember.

22 Q. She described something that had occurred
23 that morning, correct?

24 A. Yes.

25 Q. And was she the one that provided the

1 information that is contained in that note?

2 A. It said here, patient reports -- yes, it must
3 have been her giving the report, because it states,
4 patient reports family saw her foaming at the mouth
5 and shaking. So she is reporting.

6 Q. Did you, personally, take a history, or did
7 Dr. Kevin Martin take the history on this patient?

8 A. Dr. Martin would have done the initial
9 history and physical exam, and then I would have
10 come back over and probably requested the
11 elements of that to ascertain the accuracy of the
12 information so we would both be agreeing on our
13 common assessment and plan.

14 Q. And you were in the room with Dr. Martin
15 while he was talking with the patient?

16 A. I am not certain what portion of that, but
17 there definitely was a portion, because I noted
18 there clearly, patient seen with Dr. Martin.

19 Q. And there may have been some portion of time
20 when it was just Dr. Martin in the room with the
21 patient; is that correct?

22 A. That is a possibility. I can't remember
23 exactly.

24 Q. Doctor, what time did this episode occur,
25 that Patricia Smith described?

1 A. 4:00 a.m.

2 Q. Do you know whether she was in bed at the
3 time, whether she had been sleeping?

4 A. She must have been in bed, because the note
5 says she was shaking, which woke up her eleven year
6 old daughter.

7 Q. And the note also indicates that there was a
8 similar witnessed episode two months ago, correct?

9 A. Similar to one about a month ago.

10 Q. But I believe there is also a notation in
11 here, it says, patient describes -- let's see --
12 further down, similar witnessed episode two months
13 ago, vital signs above.

14 A. Oh, I see, patient describes being swept by
15 quote -- yes, one to two months, about a month --
16 okay, that had not been reported to me as the first
17 time it was reported to us.

18 Q. It does say, similar witnessed episode two
19 months ago, though, correct?

20 A. One to two months ago, yes.

21 Q. Further down in the note, do you see where it
22 says, similar witnessed episode two months ago?

23 MR. BETZ: Where are you?

24 A. I am sorry.

25 Q. (Indicating).

1 MR. BETZ: Right here (indicating).

2 A. Oh, okay, yes, I see that.

3 Q. And that would correspond to the episode that
4 was described in the phone message in August,
5 correct?

6 MS. CUTHBERTSON: Object.

7 Go ahead.

8 Q. (Continuing) Approximately, as far as the
9 time is concerned, it would coincide with the August
10 3rd phone message that you received?

11 A. It may.

12 Q. Doctor, are you aware of any differences that
13 occurred between the episode that is described here
14 in the October 5th note, and the one that was
15 described to you in the phone message and at the
16 August 22nd, 1995 visit?

17 A. No elements of this history were described in
18 the phone message nor were they described in my
19 note, and those would be pretty important features
20 that I believe I would have written down.

21 Q. Well, maybe my question isn't clear.

22 I am asking you whether you are aware of any
23 differences between the episode that was described
24 in the August 22nd note as compared to what is
25 described here in the October 5th note?

1 And if you are not aware of any differences,
2 then just tell me that. But if you are, I would
3 like to know what those are.

4 MR. BETZ: That is precisely what the
5 witness answered. Why don't you read that
6 last answer back.

7 (Record read.)

8 Q. (Continuing) So if you would tell me, then,
9 what was your knowledge of the episode that occurred
10 in August as compared to your knowledge of the
11 episode that occurred in October, as to what
12 differences you are aware of?

13 A. Significant differences. This describes --
14 the note of 10-5-95 describes an episode, shaking to
15 the point that would wake up her daughter, loss of
16 bladder control, at this period she did not use any
17 alcohol, foaming at the mouth, eyes rolling back
18 followed by confusion. None of those elements were
19 present in the previous phone message nor were they
20 present in my visit of 8-22-95.

21 Q. At the time that you saw her on October 5th,
22 did you think that there was any relationship
23 between the August episode and the one that was
24 being described to you in October?

25 A. It is difficult to say. They were completely

1 different presentations

2 Q. In the October visit, was there anything that
3 you found to have precipitated this -- would it be
4 appropriate to call it seizure activity?

5 A. Yes.

6 Q. Was there anything that you found to have
7 precipitated it?

8 A. At this time, there was, on all the
9 evaluations, to review through that, there was --
10 the neurologic exam appeared to be ultimately
11 normal, there were no striking abnormalities in the
12 lab work that was obtained, there was no evidence of
13 any problem with the toxicology report, and her CAT
14 scan that she received did not show any pathologic
15 finding.

16 Q. So Doctor, were you able to identify what
17 precipitated her seizure on October 5th?

18 A. No. And that is also why the patient was
19 referred to a neurologist.

20 Q. At this visit, did she describe what occurred
21 or what she was doing prior to the time that this
22 episode occurred?

23 MR. BETZ: We are talking about
24 October 5?

25 MS. TOSTI: Yes.

1 A. I don't see an exact mention of that. I can
2 only assume that she must have been -- it was at
3 4:00 a.m., but again, it is not written down here
4 that she must have been sleeping by her daughter to
5 wake her up with this seizure activity.

6 Q. Now, you did do a toxicology screen and a
7 drug screen at this visit, correct?

8 A. I believe that those were laboratories that
9 were taken at the St. Luke's Emergency Room.

10 Q. And you received reports from those screens,
11 though, correct?

12 A. The reports of those are documented by
13 Dr. Martin. I do not believe I have any record from
14 the emergency room directly.

15 Q. But based on the information that you had
16 available, you did not find that this episode had
17 been precipitated by any alcohol or medications,
18 correct, you had no reason to believe that that was
19 the cause of this particular episode?

20 A. The evaluation we did, did not demonstrate
21 any etiology, and again, that is why I referred her
22 to a neurologist for that.

23 Q. And at this visit, October 5th, what was
24 within your differential diagnosis in regard to this
25 episode?

1 A. At that time, I was uncertain of the full
2 etiology of that. Seizures is honestly something
3 that I do not manage, that I require a consultant to
4 assist me with, and thus the most apparent concerns
5 for this would be trauma, metabolic disturbance,
6 like low blood sugar, electrolyte disturbance, or a
7 structural lesion in the brain, as well as any
8 evidence of drugs or alcohol were not evident, and
9 so our first line of evaluating things did not point
10 to anything specifically, but it gives information
11 we need to present to the neurologist.

12 Q. You didn't have any indications that she had
13 suffered any trauma when you saw her at this visit,
14 did you?

15 A. It did not describe, in effect -- Dr. Martin
16 made it clear there was no history of any trauma.

17 Q. And you didn't find any evidence of metabolic
18 imbalances at this particular visit?

19 A. All the laboratory results were essentially
20 within normal limits.

21 Q. And your neurological exam was normal, too,
22 correct?

23 A. Yes, it was.

24 Q. Was sleep apnea within your differential
25 diagnosis at the time that you saw her on October

1 5th?

2 A. It was not.

3 Q. Doctor, if both of these episodes occurred
4 when the patient was sleeping or napping, wouldn't
5 that raise a suspicion for sleep apnea?

6 MR. BETZ: Wouldn't it or did it?

7 MS. TOSTI: I am asking if it would.

8 A. There are multiple findings that could lead
9 to a seizure. Sleep apnea could be associated, but
10 I really required the expertise of a specialist to
11 help tease that out.

12 Q. That would be included, though, in a
13 differential diagnosis, if both episodes occurred
14 when the patient had been napping or sleeping,
15 correct?

16 A. It may be.

17 Q. At this October 5th visit, you didn't take
18 any history to assist in ruling out obstructive
19 sleep apnea as a cause of the episode, did you?

20 A. No, there is no -- it is a pretty thorough
21 discussion of the case, but there is nothing in the
22 differential that we discussed as sleep apnea.

23 Q. And you and Dr. Martin didn't discuss the
24 possibility that her seizures may have been caused
25 by obstructive sleep apnea, correct?

1 A. It does not appear that we did.

2 Q. Now, Doctor, we had mentioned some of the
3 characteristics that Patricia Smith had that would
4 place her at greater risk for obstructive sleep
5 apnea, and you had, I believe, mentioned obesity,
6 and that there was an association with hypertension,
7 correct?

8 A. That is correct.

9 Q. If you note at the bottom of Dr. Martin's
10 notation, on the first page of that visit, I believe
11 he has written out, tongue protrudes; do you see
12 that?

13 A. Uh-huh -- no.

14 Q. Do you see it?

15 A. Yes.

16 Q. Was there any significance to the fact that
17 he noted that her tongue was protruding?

18 A. He is acknowledging that the cranial nerve 12
19 was intact.

20 Q. So you think that that was part of the
21 physical --

22 A. It is part of his neurologic exam.

23 Q. And that she was able to extend her tongue
24 during the physical exam, okay.

25 A. Yes.

1 And that was under the section of cranial
2 nerves, also, if you will note that.

3 Q. On the second page of the note from that
4 October 5th visit, if you would look at that,
5 please.

6 A. Certainly.

7 Q. That note indicates that the Patricia Smith
8 case was discussed with Dr. Collins; is that
9 correct?

10 A. That is correct.

11 Q. Did you speak to Dr. Collins directly?

12 A. I do not believe so.

13 Q. Well, is that in your handwriting, or is that
14 in Dr. Martin's handwriting?

15 A. Dr. Martin's handwriting.

16 Q. Would Dr. Martin have been the one that would
17 have discussed this case with Dr. Collins, then?

18 A. Yes.

19 Q. Do you know when Dr. Martin talked with
20 Dr. Collins?

21 A. He would have discussed it with that -- I
22 believe at that visit, at that time.

23 Q. Would Dr. Martin have come back to you with
24 the information that Dr. Collins had provided to
25 him, to discuss that with you?

1 MR. BETZ: You are asking, did he?

2 Q. (Continuing) Yes, did Dr. Martin do that, did
3 he come back and talk with you in regard to the
4 information that was transmitted in that
5 conversation with Dr. Collins?

6 A. Yes.

7 Q. Why was it that Dr. Martin consulted with
8 Dr. Collins?

9 A. The patient had an apparent seizure, and it
10 is a condition which I, personally, don't have
11 expertise in, and I refer patients with conditions
12 such as seizures to a specialist, such as a
13 neurologist, to assist and to manage that problem.
14 And Dr. Collins also provided us with the
15 appropriate treatment.

16 Q. Now, Dr. Martin has written further down in
17 his notes, follow-up with Dr. Collins ASAP, as soon
18 as possible, correct?

19 A. Uh-huh.

20 Q. And did you concur with that entry that
21 Dr. Martin made in that notation, that Pat Smith
22 should follow up with Dr. Collins as soon as
23 possible?

24 A. Yes.

25 Q. Did Dr. Martin discuss with you what

1 Dr. Collins said in regard to Patricia Smith? And I
2 am speaking of the point in time when Dr. Martin
3 talked with Dr. Collins, that is noted here in this
4 note (indicating).

5 A. Dr. Martin made it clear that Dr. Collins
6 stated to him that the patient gave him a good
7 history for seizure, possibly a previous event, we
8 also discussed the questions, also acknowledging
9 there is no metabolic or structural etiology
10 identified, and the treatment plan that was
11 recommended by Dr. Collins and the follow-up with
12 him.

13 Q. Obviously Dr. Collins made some
14 recommendations for treatment for Pat Smith; is that
15 correct?

16 A. The management decisions were based upon his
17 recommendations.

18 Q. And what recommendations did Dr. Collins make
19 in regard to her care?

20 A. He recommended the patient be loaded with
21 Dilantin, anti-seizure medicine, and to receive an
22 electroencephalogram the next day, and to follow up
23 with him in the near future.

24 Q. And the Dilantin that was ordered, was that
25 ordered prophylactically to control seizures in this

1 case until the etiology could be determined?

2 MS. PETRELLO: Objection.

3 A. I believe the reason for the Dilantin was to
4 protect the patient from having any recurrent
5 seizures, but it is -- but that therapy is
6 something, again, I am going with the
7 recommendation.

8 Q. Doctor, do you know if Dilantin would have
9 any effect on preventing hypoxic seizures?

10 MR. BETZ: For the record, is the
11 distinction you are making between hypoxic
12 seizures and general seizures?

13 MS. TOSTI: Seizures caused by
14 hypoxia.

15 A. It is not in my level of expertise, but I
16 believe that any medication that could help prevent
17 a seizure may also decrease the incidence of other
18 seizure activity. I am honestly not certain about
19 this.

20 Q. Why was an electroencephalogram ordered?

21 MS. PETRELLO: Objection.

22 Go ahead. I just raised an objection

23 MR. BETZ: I will object to the form
24 of the question, if you are asking this
25 witness what Dr. Collins' reason or thought

1 processes were, other than what he knows.

2 Go ahead and answer.

3 Q. (Continuing) At this point, Doctor, you did
4 write an order for an electroencephalogram; is that
5 correct?

6 A. That is correct.

7 Q. And do you know the reason why that
8 electroencephalogram was ordered?

9 A. To look at brain wave information and
10 determine if there was an abnormal focus or site
11 that may cause a seizure.

12 Q. And was that ordered on the recommendation of
13 Dr. Collins?

14 A. Yes.

15 Q. And do you know what the results of that
16 electroencephalogram were?

17 A. I believe it was completely normal. I will
18 have to make sure.

19 (Short recess had.)

20 BY MS. TOSTI:

21 Q. Doctor, we had reviewed the fact that
22 Dr. Martin had written a note, follow-up with
23 Dr. Collins as soon as possible --

24 A. Correct.

25 Q. -- and that you had concurred with that

1 particular notation, correct?

2 A. Correct.

3 Q. Do you know why it took almost a month to
4 schedule a neurological evaluation with Dr. Collins?

5 A. Well, as soon as possible would require that
6 the patient be seen by a physician within a
7 reasonable period of time. It did not note it being
8 urgent or immediate, which would require them to be
9 seen within the next day or two. So at this point,
10 I don't know if it would have changed the management
11 much in the case.

12 Q. Doctor, you would agree, at the time you saw
13 Patricia Smith on October 5th, you had no idea as to
14 the etiology of her seizures, correct?

15 A. That is correct.

16 Q. So you had no way of knowing whether or not
17 this was a serious problem that required immediate
18 follow-up, or whether it was something that could be
19 delayed as far as being evaluated by a neurologist,
20 correct?

21 A. Well, I am not a neurologist, but I can state
22 that the initial workup usually rules out major
23 concerning things that can be associated with that,
24 and the arrangements that Dr. Martin had with
25 Dr. Collins implied a follow-up that he felt was

1 appropriate.

2 Q. And you were comfortable with her waiting a
3 month to be seen by a neurologist, correct?

4 MR. BETZ: Well, I am going to object
5 to the form of the question, because it
6 assumes that Dr. Rowane necessarily knew the
7 length of time it took to see Dr. Collins. I
8 don't know that is the fact.

9 Q. (Continuing) Doctor, in the notation, I
10 believe at the bottom, it says, EEG for October 9th,
11 '95, and Dr. Collins, November 3rd of '95.

12 Were you aware of the scheduling of those
13 appointments?

14 A. I have a co-sign underneath that area itself,
15 and my next visit would be on October 30th.

16 Q. But Dr. Martin, at the time, was not a
17 graduate from the medical school, and so you were
18 required to precept all of his care for the
19 patients, correct?

20 A. And I did.

21 Q. And wouldn't it be likely that you would also
22 be made aware of anything that he was doing in
23 regard to the patient care?

24 A. Yes.

25 Q. And isn't it likely that he informed you of

1 those particular scheduled appointments?

2 A. He may have.

3 Q. Now, Doctor, during the time that Patricia
4 Smith was waiting to see Dr. Collins, you did two
5 Dilantin levels on her, correct, I believe one on
6 October 17th and another one on October 30th?

7 A. Yes, it appears that way, yes.

8 That is correct.

9 Q. And were Patricia Smith's blood levels for
10 Dilantin within a therapeutic range on either of
11 those two occasions?

12 A. They were not.

13 Q. Would you agree that Dilantin, to be
14 effective, a patient's blood level should be within
15 a therapeutic range?

16 A. Yes.

17 Q. Now, Doctor, you also informed Patricia Smith
18 that she would have to give up driving her school
19 bus, is that correct, at least until she underwent
20 neurological evaluation?

21 A. Yes.

22 Q. And you also wrote a letter to this effect, I
23 believe dated October 18th?

24 A. That is correct.

25 Q. Now, there are several letters that were also

1 written by Dr. Kevin Martin that essentially say
2 pretty much the same thing, that she should stop
3 driving her school bus.

4 Is there any particular reason why there is a
5 letter from you, as well as several letters from
6 Dr. Martin, on the same subject matter?

7 A. They may have required a letter from her
8 primary care physician or the attending physician,
9 and I am not certain, but I also obviously have a
10 letter here to, again, verify that she cannot drive.

11 Q. You don't recall any particular reason why a
12 letter was requested from you, specifically, do you?

13 A. Not off the top of my head.

14 Q. Now, Patricia Smith saw, I believe,
15 Dr. Collins on November 3rd of 1995.

16 A. That is correct.

17 Q. Did you speak to Dr. Collins after his
18 evaluation of Patricia Smith?

19 A. I know I discussed the case with Dr. Collins
20 after he evaluated the patient. I don't know the
21 exact date for that.

22 Q. After he had an opportunity to evaluate
23 Patricia Smith, what did he tell you in regard to
24 his findings?

25 A. I don't have anything documented to that, so

1 I can't speak to that. But I do believe he
2 requested me to obtain a sleep study.

3 Q. So you believe that the sleep study request
4 originated with Dr. Collins as a recommendation to
5 you?

6 A. Yes.

7 Q. After Dr. Collins had an opportunity to see
8 Patricia Smith on November 3rd, was he able to
9 identify to you any cause of the seizures?

10 A. I do not have any letter from that visit, and
11 I don't remember off the top of my head, nor have I
12 written that down.

13 Q. And in addition to the recommendation for a
14 sleep study, did he give you any other
15 recommendations for her care?

16 A. I am afraid I cannot recall.

17 Q. Based on your conversation with him, what was
18 the reason for ordering a sleep study, that you were
19 aware of?

20 A. I believe that in his differential, he was
21 considering sleep apnea.

22 Q. As an etiology for her seizures?

23 A. Possibly.

24 Q. Did he actually discuss that with you as a
25 possibility?

1 A. I cannot remember off the top of my head, and
2 I don't have a letter from him after that first
3 visit.

4 Q. Now, you then referred Patricia Smith for a
5 sleep study; is that correct?

6 A. That is correct.

7 Q. And you made that referral on November 3rd of
8 '95, the same day that she saw Dr. Collins; is that
9 correct?

10 A. It may be. It is not part of the chart.

11 Q. And one of the reasons you referred her for
12 the study is you were concerned that she might have
13 been having oxyhemoglobin desaturations during sleep
14 that may have been the etiology of her seizure
15 disorder; is that correct?

16 A. The reason is that he, as part of his
17 differential, requested a sleep study.

18 (Thereupon, Plaintiff's Exhibit 3
19 (Rowane) was marked for identification.)

20 BY MS. TOSTI:

21 Q. Doctor, you have been handed what has been
22 marked as Plaintiff's Exhibit Number 3.

23 A. Yes.

24 Q. And if you could just tell me what that is,
25 if you would identify that document for me?

1 A. Yes. This is a referral form that we use
2 when we refer a patient to a specialist, and in this
3 referral, I referred the patient to Dr. Rosenberg,
4 with the diagnosis of seizure disorder, and two is
5 rule out nocturnal hypoxia.

6 Q. And you were the one that filled out the
7 form?

8 A. Yes, it was me.

9 Q. And that is your signature under referring
10 physician; is that correct?

11 A. Yes, it is.

12 Q. And Doctor, as you understand the reason for
13 the referral, would you just read what you have
14 written there?

15 A. This patient has been recently diagnosed with
16 seizure disorder. Request evaluation for sleep
17 study, as concerns patient may desaturate as
18 etiology for seizure disorder. Workup requested.
19 Dr. Stephen Collins.

20 Q. And the date that you made this particular
21 referral, what is the date on this document?

22 A. 11-3-95.

23 MS. PETRELLO: Can we go off the
24 record a minute here?

25 MS. TOSTI: Yes.

1 (Thereupon, a discussion was had off
2 the record.)

3 (Short recess had.)

4 MS. TOSTI: What was the last
5 question?

6 (Record read.)

7 BY MS. TOSTI:

8 Q. Doctor, would it be fair to say that the
9 reason you were referring her for a sleep study is
10 you were concerned that her seizures were being
11 caused by sleep apnea?

12 A. There was a concern addressed from
13 Dr. Collins that there may be desaturation as the
14 etiology for sleep disorder.

15 Q. And were you aware as to what the basis for
16 that particular concern was, what clinical data was
17 there to support a concern that sleep apnea may be
18 causing these seizures?

19 A. I believe it was from the evaluation from
20 Dr. Collins.

21 Q. But did he share with you anything in
22 particular as far as the clinical data to support
23 that concern?

24 A. I am uncertain only because I did not
25 formally have that written down, other than

1 immediately responding to his request to put a
2 referral together for the patient to have a sleep
3 study.

4 Q. Doctor, would you agree that if Patricia
5 Smith was having seizures because of low
6 oxyhemoglobin desaturations during sleep, that that
7 could be life-threatening?

8 A. Possibly.

9 Q. And would you agree that if she was in fact
10 having seizures due to low oxyhemoglobin
11 desaturations during sleep, that this would require
12 immediate treatment?

13 A. I am uncertain, I am not a sleep specialist,
14 and I would have to defer those management decisions
15 to a specialist.

16 Q. Now, Patricia Smith also saw Dr. Mary Louise
17 Hlavin, a neurosurgeon; is that correct?

18 A. Yes, that is correct.

19 Q. And I believe that that visit occurred on
20 December 7th of 1995.

21 Did you make the referral to Dr. Hlavin?

22 A. The referral was made from one of my
23 colleagues.

24 Q. Who made the referral to Dr. Hlavin?

25 A. Dr. Brenda Crownover.

1 Q. And why is it that Dr. Crownover was involved
2 in Patricia Smith's care, if you were the attending
3 physician?

4 A. Sometimes a patient may call, there is a
5 possibility that I may have been on vacation or
6 inpatient attending or not available in the
7 outpatient practice, and to not delay a patient
8 being cared for, they will be put in with another
9 physician to be seen.

10 Q. And do you know the reason Patricia Smith was
11 referred to Dr. Hlavin, was that information ever
12 provided to you?

13 A. It was apparent in Dr. Crownover's note that
14 the patient had an MRI which showed a frontal
15 meningioma, and there was concern that may be a
16 cause of seizures, and thus Dr. Hlavin was consulted
17 and Dr. Collins was informed.

18 Q. Now, after Dr. Hlavin had an opportunity to
19 see Patricia Smith, did you speak with Dr. Hlavin
20 about her evaluations?

21 A. I do not believe so, but I honestly cannot
22 remember.

23 Q. I believe that Dr. Hlavin did write to you on
24 two occasions, though, in regard to her evaluations;
25 is that correct?

1 A. That is true.

2 Q. And you received correspondence dated
3 December 7th of '95, as well as January 5th of '96
4 summarizing her findings; is that correct?

5 A. On December 7th and again on January 5th,
6 that is correct.

7 Q. And in Dr. Hlavin's letters to you, she told
8 you that she also was concerned that Patricia Smith
9 might be suffering from sleep apnea, correct?

10 A. That is correct.

11 Q. And Dr. Hlavin also told you that based on
12 the brain MRI scan with contrast, that there was a
13 possibility that the area in question was nothing
14 more than a variant of skull calcification, correct?

15 A. Correct.

16 Q. And you were aware of that three months
17 before Patricia Smith died, correct?

18 A. Correct.

19 Q. And you also were aware of the fact that
20 Patricia Smith's EEG was normal, correct?

21 A. That is correct.

22 Q. And that all of her neurological exams had
23 been entirely normal, correct?

24 A. That is correct.

25 Q. Now, I believe Patricia Smith underwent a

1 sleep study at the University Sleep Center on
2 February 7th of 1996.

3 A. February 6th.

4 Q. Okay.

5 Did you receive a letter from Dr. Lee Brooks
6 dated February 7th of '96 telling you his
7 evaluation, his preliminary evaluation of Patricia
8 Smith?

9 A. Yes.

10 Q. And in that correspondence dated February
11 7th, did Dr. Brooks tell you that Patricia Smith had
12 severe obstructive sleep apnea?

13 A. He did, and he also informed me that that was
14 a brief preliminary review and was subject to
15 revision once the events are more fully evaluated
16 and tallied, and major clinical decisions should be
17 deferred until the final official report has been
18 prepared.

19 Q. Now, you received that letter two months
20 before Patricia Smith died, correct?

21 A. I believe.

22 MR. BETZ: He answered, "I believe."

23 Q. Okay.

24 Doctor, at the time that you received that
25 letter, you knew severe obstructive sleep apnea

1 could cause hypoxic seizures, correct?

2 A. I was not aware.

3 Q. One of the concerns that you had when you
4 referred Patricia Smith to the sleep study, based on
5 the referral form, was that you thought the etiology
6 of the seizures could be due to oxyhemoglobin
7 desaturations, correct?

8 MR. BETZ: Object to the form of the
9 question. I think it misstates his testimony
10 in terms of the source of that information.

11 Go ahead and answer.

12 A. I responded to the request based upon the
13 recommendation of Dr. Collins, being a specialist in
14 those areas, plus all the etiologies that could be
15 associated with that.

16 Q. That information that is included on the
17 referral form to the sleep study you received from
18 Dr. Collins; is that correct?

19 A. That is correct.

20 Q. And he informed you that there was a
21 possibility that the seizures that Patricia Smith
22 was having could have been due to oxyhemoglobin
23 desaturations caused by obstructive sleep apnea,
24 correct?

25 A, I did not state that. I only stated in that,

1 from my correspondence with Dr. Collins,
2 desaturation as an etiology for seizure disorder.
3 It does not state obstructive sleep apnea on that
4 referral.

5 Q. When you discussed Patricia Smith's case with
6 Dr. Collins, though, wasn't one of the things that
7 you spoke with him about the fact that she might
8 have obstructive sleep apnea?

9 A. I honestly don't remember.

10 Q. And the information that you received from
11 Dr. Hlavin, the letter, did she suggest that she
12 might be having sleep apnea?

13 A. She acknowledged there that she may be
14 suffering with sleep apnea, that is correct.

15 Q. So based on the information that you received
16 from Dr. Collins and Dr. Hlavin, you were aware that
17 Patricia Smith may have obstructive sleep apnea,
18 correct?

19 A. I was aware that she may have sleep apnea,
20 and she may have desaturation as a source of her
21 seizure disorder.

22 Q. And that that may be related to the sleep
23 apnea, did you know that, from what the doctors had
24 told you, Dr. Collins and Dr. Hlavin?

25 A. I believe so.

1 Q. Doctor, you received the letter from Dr. Lee
2 Brooks stating that the preliminary finding was that
3 Patricia Smith had severe obstructive sleep apnea,
4 in his correspondence dated February 7th of '96.

5 When you received that letter, did you
6 contact Patricia Smith to inform her about the
7 preliminary findings?

8 A. I do not see any documentation, but I do
9 acknowledge that I was awaiting the final report.

10 Q. On February 7th, or any time in close
11 proximity to February 7th, did you take any
12 immediate steps to institute any treatment for
13 Patricia Smith in regard to severe obstructive sleep
14 apnea?

15 A. No.

16 I am sorry, maybe I should rephrase that.

17 You said, did I take any steps in response to
18 that. In response to the preliminary report or the
19 final report?

20 MR. BETZ: Preliminary report.

21 Q. Preliminary report.

22 A. No, I was just awaiting the final report, as
23 recommended by Dr. Brooks.

24 Q. Did you eventually receive a final report?

25 A. Yes, I did.

1 Q. When did you receive that report?

2 A. Probably just prior to seeing the patient in
3 the office on March 25th.

4 Q. And how do you know that?

5 A. Well, when I am out of town, someone else
6 would cover for me, and I was out of town during
7 that time. It was marked as 3-12.

8 Q. Now, Doctor, you are looking at a report, a
9 printed report from the University Sleep Center; is
10 that correct?

11 A. That is correct.

12 Q. And you have mentioned a date of 3-12; is
13 that correct?

14 A. Yes, the 3-12 I noted before is when it must
15 have been first received in our office.

16 Q. Now, is there a handwritten notation on the
17 copy that you are referring to?

18 A. Right at the very bottom, there is a note
19 that says, 3-12, so this implies when it was
20 received in our office.

21 Q. Now, Doctor, I have a copy of that same
22 report. Mine has no notation on it. I would
23 appreciate a copy that has the notation that the
24 doctor is referring to.

25 MR. BETZ: Do you want to make it

1 right now?

2 MS. TOSTI: We can get it after.

3 MR. BETZ: Okay.

4 Q. (Continuing) If you would just put a tab on
5 that.

6 A. Sure.

7 Q. So the notation at the bottom -- may I just
8 see it for a second?

9 A. Yes, you may.

10 Q. Who puts that notation at the bottom of the
11 report when it comes in?

12 A. That was one of the other physicians who was
13 covering for me.

14 Q. And that was -- I am sorry, I didn't hear who
15 you said.

16 A. One of the other physicians who was covering
17 for me at that time.

18 Q. What other physician was that?

19 A. That was Brian Stark.

20 Q. These reports, when they would come in, would
21 they be provided to an attending in the Family
22 Practice Center to look at, if you were not in
23 attendance that day?

24 A. Possibly, but I am uncertain of that.

25 Q. I guess let me rephrase that question.

1 What was the normal procedure when a report
2 like that would come in, how would that be
3 transmitted to a physician?

4 A. It was received either by mail, or after it
5 is reviewed by the physician it is addressed to, if
6 there is a question concerning any abnormal test by
7 a resident, then it is usually referred to an
8 attending physician to discuss what to do with that.

9 Q. And this test was done on February 6th, and
10 it took about five weeks for the final report to
11 come into the clinic, based on that notation,
12 correct?

13 A. It appears that way.

14 Q. To your knowledge, is that the usual time
15 period to receive a polysomnogram study from the
16 University Sleep Center, a five week interval?

17 MS. CUTHBERTSON: Objection.

18 MR. BETZ: Go ahead.

19 Q. (Continuing) Based on your experience?

20 A. I haven't ordered enough tests to make a
21 determination on that.

22 Q. Do you have any other times that you have
23 ordered a polysomnogram, any other times?

24 A. Usually they have been other patients that
25 have either already had that test done, but I

1 can't -- I have had some other patients, but I
2 really don't know the time sequence from order until
3 I get the final reports, and I can't make a comment
4 on that.

5 Q. When do you believe that you saw this final
6 report?

7 A. Probably by the time I saw the patient. And
8 I am not certain of how long I was out of town, but
9 I know I was out of the office at that time.

10 Q. At the time on March 12th, you are saying,
11 correct?

12 A. Yes.

13 Q. Now, you saw Patricia Smith on March 25th,
14 correct?

15 A. Yes.

16 Q. So that particular finding was in the Family
17 Practice Center for two weeks before you saw the
18 patient again, correct?

19 A. It did come to us on the 12th, and I saw her
20 on the 25th.

21 Q. And to your knowledge, prior to the time that
22 you saw her on the 25th, had anyone contacted her to
23 tell her that she had severe obstructive sleep
24 apnea?

25 A. I am not certain.

1 Q. Well, to your knowledge, do you know of
2 anyone that contacted her?

3 A. I know the report was -- no, I can't say
4 that, no.

5 Q. Now, you saw the patient on March 25th.

6 A. Correct.

7 Q. And there is a notation at the top of the
8 March 25th, 1996 note that says, here for test
9 results from sleep test.

10 A. Correct.

11 Q. So she was specifically coming in to find out
12 about her sleep test; is that correct?

13 A. Yes, that is correct.

14 Q. Did you tell her what the results were of the
15 test at that visit?

16 A. I believe so.

17 Q. What did you tell her?

18 A. I believe I told her that the results
19 demonstrated a severe obstructive sleep apnea, and
20 that I was going to get through to my consultant to
21 determine the management.

22 Q. Did you tell her about the complications
23 associated with sleep apnea?

24 A. I am uncertain.

25 Q. Did you tell her that you had concerns or

1 that at least Dr. Collins had concerns that her
2 seizures may have been related to oxyhemoglobin
3 desaturations during sleep?

4 A. I know that when I received the results, that
5 I discussed it with the patient, and that I was
6 uncertain what to do with that, because it was out
7 of my scope of care, and that I was referring to
8 Dr. Collins for advice as to where to go with that.

9 Q. Doctor, when you received those sleep study
10 results, did your concern that her seizures were due
11 to severe obstructive sleep apnea heighten?

12 A. At that time, I can only comment on what I
13 have written down through here, that acknowledged
14 that there was seizure disorder, we were treating
15 with that, I acknowledged the severe obstructive
16 sleep apnea, and I acknowledged for management
17 issues that I was going to discuss those with
18 Dr. Collins.

19 Q. In your opinion, was Patricia Smith at risk
20 for any complications with oxyhemoglobin
21 desaturations as low as 60 percent during sleep?

22 A. I was uncertain, and that is why I proceeded
23 with the management I stated to you.

24 Q. Doctor, would you agree that a patient with
25 severe coronary artery disease would be at increased

1 risk for ventricular arrhythmias with desaturations
2 as low as 60 percent?

3 MR. BETZ: I am going to object. It
4 seems to me we have been through this once.
5 I am not going to permit the witness to go
6 back through everything we went through
7 initially before we began going through the
8 chart.

9 MS. TOSTI: Your objection is noted,
10 but I have a right to --

11 MR. BETZ: You don't have a right to
12 repeat questions, and you can answer this
13 question, but there will be a limit to the
14 repetition.

15 Go ahead and answer.

16 THE WITNESS: Sorry, would you please
17 repeat the question.

18 (Record read.)

19 A. Patients with severe coronary artery disease
20 do have risks for arrhythmias, and having elements
21 of hypoxia with that may increase that.

22 Q. And in Patricia Smith's case, would you agree
23 that she would be at increased risk for seizures
24 with oxyhemoglobin levels of 60 percent?

25 A. I was uncertain. That is why I had a

1 consultant.

2 Q. Doctor, whose responsibility was it to
3 establish a treatment plan for Patricia Smith's
4 severe obstructive sleep apnea?

5 A. The issues with seizure and associated
6 concerns of sleep apnea were issues raised from my
7 consultants, required their input and management of
8 those issues. But I also try to be diligent to
9 follow those up to ensure they would be taken care
10 of, because I did not have expertise in this area,
11 nor did I feel comfortable initiating a plan for an
12 area that I had not had sufficient training.

13 Q. Was it your understanding that Dr. Collins
14 would be the one to determine what care or treatment
15 would be appropriate in relationship to the sleep
16 study?

17 A. I depended on his expertise for that, because
18 he assisted with the care of the patient, and
19 requested the study to be done, and had -- the main
20 reason she was referred to have the test done, and
21 that is why I was making calls to his office,
22 because I didn't -- I needed to find out what to do
23 with this.

24 Q. So you were looking to Dr. Collins to be the
25 person to determine whether treatment was necessary,

1 and as to what treatment would be necessary, if
2 indeed it was needed?

3 MS. PETRELLO: Objection.

4 A. Yes.

5 Q. Was Dr. Hlavin involved in any way, from your
6 perspective, in the plan of care related to the
7 severe obstructive sleep apnea?

8 A. Not really.

9 Q. So it was your plan, then, to consult with
10 Dr. Collins and to have him recommend to you what
11 steps would be appropriate in regard to Pat Smith's
12 severe obstructive sleep apnea?

13 MS. PETRELLO: Objection.

14 A. Yes.

15 Q. Now, Doctor, under your March 25th, 1995
16 note, you have several items that are numbered
17 there, and I wish you would read what you have
18 written under item Number 2?

19 A. Certainly. Severe obstructive sleep apnea,
20 parenthesis, minimal O₂ sat of 50 percent, end of
21 parenthesis. Called Dr. Collins' office,
22 parenthesis, extension 43192, end of parenthesis.
23 To call back and discuss results.

24 Q. When you called Dr. Collins' office, did you
25 speak to anyone in particular in his office?

1 A. I did not document an individual I talked
2 with.

3 Q. You talked to a person, though?

4 A. Yes.

5 Q. You didn't leave a voice mail?

6 A. I don't believe so.

7 Q. And do you recall the information that you
8 provided to that person when you called?

9 A. I am uncertain.

10 Q. Your note says, to call back and discuss
11 results.

12 Is it likely that you asked that individual
13 to have Dr. Collins call you back specifically for
14 the purpose of discussing the test results?

15 A. Yes.

16 Q. Did Dr. Collins ever call you back?

17 A. No.

18 Q. Did you try to contact him again after this
19 particular attempt that is noted in item Number 2?

20 A. 4-1-96, I have a chart note -- do you want me
21 to read the chart note?

22 Q. Not at this time.

23 Between March 25th, '96 and April 1st, did
24 you make any attempts to contact Dr. Collins again?

25 A. I am uncertain. I do not believe so, but I

1 am not certain.

2 Q. You didn't document any attempts, correct?

3 A. That is correct.

4 Q. And you have no specific recollection of any
5 attempts that you made between March 25th and April
6 1st, correct?

7 A. That is correct.

8 Q. Now, when you saw Patricia Smith on the 25th
9 of March, what did you tell her regarding your plan
10 of care as it relates to the severe obstructive
11 sleep apnea?

12 A. That I would have to make a management
13 decision based upon my discussion with Dr. Collins.

14 Q. And you didn't discuss with her the various
15 options for treatment at that point, did you?

16 A. It was an area of expertise that I do not
17 have, and so I -- and I did not document that.

18 Q. So would it be fair to say that on the March
19 25th visit, that in regard to the severe obstructive
20 sleep apnea, you did not institute any specific
21 plan, other than to contact Dr. Collins and discuss
22 what should be done about her care?

23 A. I am sorry, could you repeat that question?

24 Q. Let me rephrase it, because I think it was
25 probably poorly put.

1 On March 25th of '96 when you saw Patricia
2 Smith, other than your plan to contact Dr. Collins,
3 you had no other interventions that you were going
4 to institute in regard to Patricia Smith's severe
5 obstructive sleep apnea; is that correct?
6 A. That is correct.
7 Q. You next saw her on March 1st of '96,
8 correct?
9 A. I saw her on April 1st of '96.
10 Q. I am sorry, April 1st of '96.
11 A. I did not see the patient. This was a chart
12 note that I put.
13 Q. This was a clinical note that you wrote?
14 A. That is a clinical note that I wrote in.
15 Q. Doctor, let me back you up for just a minute
16 to the March 25th note. You have a note at item
17 Number 6.
18 A. Correct.
19 Q. What does that say?
20 A. Return to the office in the next few months.
21 Q. You had no plans on seeing Patricia Smith in
22 the near future, then, is that correct, at the time
23 that you concluded the March 25th visit?
24 A. I wasn't going to manage the area of sleep
25 apnea, and thus my follow-up was for her other

1 problems.

2 Q. So it was your plan, then, to turn over the
3 management of any sleep apnea problems to
4 Dr. Collins, then?

5 A. Or his recommendation where to go with that.

6 Q. But you weren't going to provide any further
7 treatment for it?

8 A. I have no expertise in that area.

9 Q. Now, Doctor, the note that you have written
10 on March 1st of '96, would you please read that to
11 us?

12 A. April 1st of '96.

13 Q. I am sorry.

14 A. That is okay.

15 Q. I made a mistake again, it is April 1st of
16 1996.

17 A. Okay.

18 A. Called Dr. Collins again, parentheses, 43192,
19 end of parentheses.

20 Next line, regarding sleep study with severe
21 obstructive sleep apnea, arousal and oxyhemoglobin
22 desaturation as low as 60 percent, Dr. Collins given
23 my beeper numbers and will call back. Called
24 patient at sister's, 475-5716, left message at home,
25 229-8643, no answer. Await response from

1 Dr. Collins and then will discuss options with
2 patient.

3 Q. By April 1st, 1996, then, you hadn't
4 discussed any options with Patricia Smith with
5 regard to her obstructive sleep apnea?

6 A. I had tried to get through to the patient,
7 left a message for that, but had not been able to
8 connect with the patient, even though I tried to get
9 her at her sister's.

10 Q. Now, you didn't have any additional
11 information about her obstructive sleep apnea on
12 April 1st of '96, as compared to what you had March
13 25th of '96, did you?

14 A. No, I was basing it on the same information.

15 Q. Why is it that you were trying to contact the
16 patient on April 1st of 1996?

17 A. Probably to let the patient know that I was
18 still following this up. I am pretty compulsive in
19 following my patients and making sure that all
20 issues are settled.

21 Q. Now, Doctor, were you concerned about the
22 fact that this patient had oxyhemoglobin
23 desaturations as low as 60 percent?

24 A. I had concerns, but I did not have expertise
25 in that area, and was trying to get information to

1 decide how to manage that, and that is why I was
2 getting in touch with the patient and my specialist.

3 Q. Had you left any messages for Dr. Collins
4 informing him that this patient had been found to
5 have severe obstructive sleep apnea with
6 desaturations to 60 percent, had that information
7 been left for Dr. Collins, even though you hadn't
8 had a chance to talk with him?

9 A. I am honestly uncertain. I didn't write here
10 whether I left that or not. I typically do, but I
11 did not document that as such.

12 Q. Why, in your note of April 1st, do you have
13 severe obstructive sleep apnea underlined?

14 A. Well, it was a condition that I did not have
15 expertise in, and I had concerns, and I also
16 sometimes, when I do a long note, will underline the
17 major problem. That way, when you are looking at
18 the note, you can go right to the main issue that
19 you are dealing with.

20 Q. And in this particular note of April 1st, you
21 have underlined the numbers, 60 percent, with two
22 lines; is that correct?

23 A. That is correct.

24 Q. Why did you underscore that particular item
25 with two lines?

1 A. Because I was uncertain of the finding with
2 that, and wanted to make sure that that was
3 important information to transmit to Dr. Collins
4 concerning the report on the severe obstructive
5 sleep apnea.

6 Q. Did Dr. Collins ever return your call?

7 A. No.

8 Q. Did you continue to attempt to contact him
9 after this notation on April 1st of '96?

10 A. I am uncertain.

11 Q. Do you have any specific recollection of
12 trying to contact him after you attempted on April
13 1st of '96?

14 A. I did not document anything from that. I
15 cannot say.

16 Q. Why did you wait a week between March 25th of
17 '96 and April 1st of '96 to attempt to contact him
18 again?

19 A. If I have things that don't respond, I
20 usually follow up within a week or so to make sure
21 that all issues are settled. As far as that
22 timeline, I am not certain exactly why that is, but
23 I try within several days to a week or so to make a
24 follow-up on any unsettled matters.

25 Q. Now, Doctor, you said that you do not have

1 particular expertise in the area of severe
2 obstructive sleep apnea; is that correct?

3 A. That is correct.

4 Q. And you are not familiar with the various
5 interventions to the point where you would be
6 comfortable in managing a patient's care, correct?

7 A. Well, I don't prescribe areas like CPAP or
8 other things that I am not familiar with the levels
9 that would require those interventions.

10 Q. And you have also told me, I believe, that
11 you are not extremely expertise -- I am sorry --
12 don't have extreme expertise in being able to
13 discern the complications that may arise in a
14 patient that has the type of sleep study results
15 that Patricia Smith has; is that correct?

16 A. I didn't feel comfortable managing the
17 findings that she had on her test.

18 Q. So in regard to Patricia Smith, you were not
19 in a position to evaluate her to determine whether
20 she was in a position to suffer life-threatening
21 complications from sleep apnea, because that isn't
22 an area of your expertise, correct?

23 A. It is an area that I would have to defer
24 management issues of that and complications thereof
25 to a specialist.

1 Q. Now, the final results of this particular
2 polysomnogram was available in the Family Practice
3 Center from at least March 12th of '96. And you
4 have indicated that you do not have an expertise to
5 determine the implications of those results for the
6 patient, yet Doctor, you have waited until here,
7 April 1st of '96, and still have not gotten in
8 contact with Dr. Collins in regard to the care and
9 treatment.

10 Is that a reasonably prudent way for a
11 physician to provide care to a patient?

12 MR. BETZ: I am going to object to the
13 form of the question. It seems to me, one,
14 it perhaps borders on unintelligible, and
15 two, misstates his testimony.

16 He didn't testify that he saw that
17 result until on or about the visit on March
18 25.

19 Q. (Continuing) Let me withdraw the question,
20 and I will rephrase it.

21 Doctor, on March 25th of '96, you were aware
22 that Patricia Smith had severe obstructive sleep
23 apnea with oxyhemoglobin desaturations to 60
24 percent, correct?

25 A. That is correct.

1 Q. And you have stated that you do not have the
2 expertise to evaluate the implications of those
3 particular results for the patient, is that correct,
4 you would defer to a sleep apnea expert, or, in this
5 case, a neurologist; is that correct?

6 A. That is correct.

7 Q. And even though you were unaware of the
8 implications for the patient, you did not contact
9 Dr. Collins and make sure that you imparted the
10 information about the sleep study to him anytime
11 prior to Patricia Smith's death, correct?

12 MR. BETZ: Objection. That has been
13 asked and answered.

14 You can answer it again.

15 A. I have two accounts here documenting that I
16 have talked to Dr. Collins' office. I am uncertain
17 what message I left with them at that time, because
18 I can only speak from the record, and I don't have
19 any recollection.

20 Q. Well, Doctor, you have documented two
21 attempts to contact Dr. Collins --

22 A. That is correct.

23 Q. -- between March 25th of '96 and the notation
24 of Pat Smith's death on April 9th; is that correct?

25 A. That is correct.

1 Q. At any point in time prior to Pat Smith's
2 death, did Dr. Collins ever contact you?

3 A. He did not.

4 Q. Do you find fault with Dr. Collins for not
5 returning your calls regarding Patricia Smith's
6 sleep study?

7 MS. PETRELLO: Objection.

8 A. No, Dr. Collins was very helpful in assisting
9 the management of this case. I cannot speculate,
10 you know, why there was a delay, so I can't
11 speculate on that. But he was assisting us with the
12 management of this patient and steering us in the
13 direction, since he was involved.

14 Q. What management did Patricia Smith receive in
15 regard to her severe obstructive sleep apnea, other
16 than the polysomnogram?

17 MR. BETZ: I am going to object. He
18 didn't say that she did.

19 Subject to that, go ahead.

20 A. Dr. Collins assisted in her care, assisted
21 our ability to manage her seizures, and also
22 assisted in the management to obtain a sleep study.

23 So those are areas he assisted to help
24 diagnose the case, and I was following up to try to
25 get through to him for the tests that he recommended

1 for me to get.

2 Q. But Patricia Smith received no treatments
3 anytime before her death for her severe obstructive
4 sleep apnea, correct?

5 A. That is correct.

6 Q. And you never discussed at any point in time
7 her treatment options regarding severe obstructive
8 sleep apnea, correct?

9 A. I am uncertain, because I did acknowledge
10 that in my assessment and plan on March 25th, '96,
11 and I did not make a notation to the extent that I
12 discussed it with the patient.

13 Q. In your note of April 1st, 1996, Doctor, I
14 believe you read that to us, and you said, await
15 response of Dr. Collins and then will discuss
16 options with the patient, correct?

17 A. Correct.

18 Q. So isn't it likely that you had not, at least
19 up to that point, discussed any options with
20 Patricia Smith?

21 A. I am uncertain. I may have -- I may have
22 discussed the results with that. I don't remember
23 what specific items I might have discussed, but I
24 definitely let her know that I was depending upon
25 further input to make a decision on the management.

1 Q. Did you see or talk to Patricia Smith at any
2 point in time after March 25th of 1996?

3 A. No, I tried to call her on April 1st, '96, as
4 I documented here.

5 Q. And were you ever able to get in contact with
6 her?

7 A. I left a message at her sister's for her to
8 call me, and I also tried calling her at her home,
9 there was no answer. I do not have a documentation
10 of her calling me back, nor a recollection of that.

11 Q. Do you have an opinion as to whether
12 treatment for severe obstructive sleep apnea would
13 have changed the outcome of this case?

14 MS. PETRELLO: Objection.

15 MS. CUTHBERTSON: Object.

16 A. I do not know.

17 Q. How is it that you were informed of Patricia
18 Smith's death?

19 A. There was a call to the practice which I
20 documented on the note, chart note of 4-9-96, where
21 they requested me to sign the death certificate. I,
22 at that time, was uncertain what the cause of death
23 would be for the patient, and as you read from the
24 note, I informed the officer that the coroner would
25 have to sign the death certificate, as I was not

1 able to explain the cause of death.

2 Q. Did you talk to the coroner's office
3 regarding Patricia Smith?

4 A. Yes, I did.

5 Q. Do you know who you talked to?

6 A. I made a note, today called coroner's office,
7 parentheses, Dr. Bal --

8 MS. CUTHBERTSON: Balraj.

9 A. -- Balraj, thank you -- to perform autopsy
10 today and will inform me of results.

11 And there is also a mention of a Mr. Allison,
12 that I must have also discussed.

13 Q. Do you know who Mr. Allison is, what category
14 of personnel he is?

15 A. I do not know.

16 Q. Did you provide the coroner with any clinical
17 information about Patricia Smith?

18 A. I believe that -- I believe that -- I am
19 trying to remember. I am not certain, but I believe
20 there is a question the patient died of a brain
21 tumor, and that was a suggestion, and I disagreed
22 with that, and felt that based upon what had been
23 done with the patient, was not sufficient to explain
24 her cause of death.

25 Q. This was prior to the time that the autopsy

1 was performed?

2 A. Yes.

3 Q. Did you receive a copy of the autopsy report

4 when it was completed?

5 A. I did not.

6 Q. Since the autopsy has been done, have you had

7 an opportunity to take a look at the autopsy?

8 A. Recently, I was able to look at the autopsy

9 report.

10 Q. Did you receive any calls from the coroner's

11 office after the completion of the autopsy to tell

12 you what was found on the autopsy?

13 A. I cannot remember, because I did not document

14 it.

15 Q. Do you have an opinion as to what was the

16 likely cause of the seizure episodes that Patricia

17 Smith had?

18 A. I am uncertain of the exact etiology.

19 Q. Doctor, are you aware that no calcified

20 meningioma or other lesions were found on autopsy of

21 Patricia Smith?

22 A. I would probably have to look at the autopsy

23 report to validate those findings.

24 Q. Do you have an opinion as to whether

25 obstructive sleep apnea contributed in any way to

1 Patricia Smith's death?

2 A. I note that there is no direct association of
3 sleep apnea with sudden death, but I am totally
4 uncertain what the -- how that would correlate with
5 it completely.

6 Q. Do you have an opinion as to whether Patricia
7 Smith's seizure episodes were likely caused by
8 obstructive sleep apnea?

9 A. I am uncertain.

10 Q. Do you have an opinion as to whether cardiac
11 arrhythmia contributed in any way to Patricia
12 Smith's death?

13 A. I am uncertain.

14 Q. Do you have an opinion as to whether it is
15 likely low oxyhemoglobin desaturations played a role
16 in Patricia Smith's death?

17 A. I am uncertain.

18 Q. Patricia Smith was found to have severe
19 coronary artery disease in her left anterior
20 descending coronary artery.

21 Assuming that had been diagnosed and treated
22 before her death, do you have an opinion as to
23 whether she would be alive today?

24 A. It is very unpredictable, the causes of
25 sudden death, so I cannot speculate.

1 Q. Do you have an opinion as to whether
2 undiagnosed coronary artery disease contributed in
3 any way to her death?

4 A. It is difficult to speculate on that.

5 Q. Do you have an opinion as to whether Patricia
6 Smith's death was preventable?

7 A. I can say that from the time I first saw the
8 patient, and most every visit, that I discussed
9 matters of healthy living with the patient, and
10 lifestyle modification, repeatedly. It is -- you
11 know, many of those factors may have made a
12 difference. But it is very difficult to say
13 completely.

14 Q. Do you blame Patricia Smith in any way for
15 her own death?

16 A. I cannot give a clear reason for all the
17 factors that would have led to her final demise. I
18 do know, though, that of all the lifestyle
19 modifications that I did talk with her about
20 repeatedly, that it probably would have assisted in
21 her survival.

22 Q. And what are we talking about in particular?

23 A. We spent a tremendous amount of time
24 discussing about diet, maintaining a low fat, low
25 cholesterol diet, we discussed exercise, we talked

1 about stress management, and reviewed all of those
2 at almost every visit.

3 Q. Are you critical or do you find fault with
4 anyone who rendered care to Patricia Smith?

5 A. No.

6 Q. After Patricia Smith's death, did you ever
7 talk to Dr. Collins, Dr. Hlavin or Dr. Brooks about
8 her death?

9 A. No.

10 Q. At any point in time, did Dr. Collins ever
11 return a phone call to you in regard to the contacts
12 that you made about the sleep study that was done on
13 Patricia Smith?

14 A. I do not believe so.

15 Q. Doctor, have we discussed all the opinions
16 that you presently hold relative to this case?

17 A. I believe so.

18 MS. TOSTI: If there are any opinions
19 that you arrive at, that are new, between now
20 and the time of trial, I would appreciate it
21 if you would tell counsel, so that he can
22 inform me about them, and then I would
23 reserve a right to continue your deposition
24 relative to any new opinions that you have.

25 I have no further questions, but I

1 believe defense counsel may have some for
2 you.

3 MS. PETRELLO: I do have questions.

4 Let's first take a short break.

5 (Short recess had.)

6 MR. BETZ: At the close of Jeanne's
7 questions, she inquired or made a statement
8 that she would expect to be advised if
9 Dr. Rowane developed any different opinions.

10 Inasmuch as we have not been provided
11 with any expert report or reports, it may
12 well be that Dr. Rowane will have different
13 opinions than expressed in his deposition
14 today, depending on what some expert says.

15 I don't agree that we will produce
16 Dr. Rowane for further deposition if that is
17 the event, nor do I necessarily agree that we
18 will produce him if there are any additional
19 opinions developed during the course of this
20 litigation.

21 CROSS EXAMINATION

22 BY MS. PETRELLO:

23 Q. Dr. Rowane, several hours ago, I introduced
24 myself, so let me do it again. I am Colleen
25 Petrello, and I represent Dr. Collins and

1 Dr. Hlavin.

2 I am going to try not to repeat anything that
3 has already been asked, and if I bounce all over the
4 place, I apologize. Some of the questions I had in
5 advance, but some of the others are in response to
6 some of the testimony you have given today.

7 Let me begin by asking you, in October of
8 '95, specifically the 5th, I believe you testified
9 it was Dr. Martin, the resident, that discussed the
10 case with Dr. Collins. Is that correct, it was
11 Dr. Martin?

12 A. Yes, it was.

13 Q. Do you know why Dr. Collins was chosen as the
14 consult in this for Patricia Smith?

15 A. I am uncertain whether he was on call or
16 whether or not it was because he has expertise in
17 the area of seizures.

18 Q. So you were aware that Dr. Collins had a
19 particular expertise as a neurologist in the field
20 of seizure disorder, as opposed to other areas of
21 neurology?

22 A. I honestly am not familiar with his
23 curriculum vitae and all of his areas of expertise.

24 Q. How well did you know Dr. Collins at this
25 time?

1 A. Honestly, it was my first encounter with
2 Dr. Collins.

3 Q. Prior to that, you were aware that he treated
4 seizure disorders, though?

5 A. Honestly, I did not -- honestly, I had not
6 been familiar with Dr. Collins prior to this event.

7 Q. Were you familiar with any other neurologists
8 at University?

9 A. Yes, there have been some neurologists our
10 department has utilized. In the department, I am
11 trying to think of people.

12 Do you want me to go through different ones?

13 Q. No, I am not looking for neurologists that
14 you knew.

15 But as I understand your testimony, your
16 department has used other neurologists for referrals
17 in the past, prior to this time?

18 A. Yes.

19 Q. Any particular reason why one of those
20 neurologists wasn't consulted, as opposed to
21 Dr. Collins?

22 A. Honestly, I am uncertain of why. Maybe
23 Dr. Collins was on call that day. I know our
24 department works where we rotate call at different
25 times, and I am honestly uncertain exactly why

1 Dr. Collins was picked that day.

2 Q. Just give me a moment. I just don't want to
3 repeat what you have already been asked.

4 A. That is okay.

5 (Pause)

6 Q. When Dr. Brooks wrote to you -- Dr. Brooks
7 wrote you a letter, I believe it was on February
8 7th, 1996. And in that letter -- I will give you a
9 minute to get to it. It is the letter relative to
10 the preliminary review of the sleep study.

11 A. Here it is. I am sorry.

12 Q. Now, first of all, just on the corner of that
13 letter, does that say, awaiting final results, is
14 that what it says?

15 A. It says, await final report.

16 Q., Report.
17 And is that you?

18 A. Yes, it is.

19 Q. Now, you were aware that Dr. Brooks did not
20 copy Dr. Collins or Dr. Hlavin on this letter,
21 correct?

22 A. I am uncertain of that.

23 Q. Well, the letter is written to you, correct?

24 A. Uh-huh.

25 Q. And it doesn't say a cc on it?

1 A. It doesn't say, cc, that is correct.

2 Q. All right.

3 Did University Hospitals, at this time, have
4 a sleep center?

5 A. I believe so, since the official report says,
6 University Sleep Center.

7 Q. Did they have sleep specialists, do you know?

8 A. I believe so.

9 Q. You had indicated earlier in your testimony
10 that you have some patients that are family practice
11 patients that have sleep apnea; is that not correct?

12 A. That is correct.

13 Q. But you also indicated that you are not
14 necessarily treating them or managing the sleep
15 apnea, correct?

16 A. That is correct.

17 Q. Do you know who does?

18 A. Honestly -- you mean, at that time, or
19 presently?

20 Q. Well, let's talk about at that time, first.

21 A. Well, at that time I was uncertain of the
22 exact consultants for that.

23 Q. Well, what about now?

24 A. Now I know some of the pulmonologists that
25 work in that area. Other people that work in the

1 sleep study include some of the neurologists, as
2 well.

3 Q. Neurologists that have a particular specialty
4 in sleep apnea or sleep disorder?

5 A. That is correct.

6 Q. Now, you indicated that after you became
7 aware of the final report, which was sometime after
8 March 12th, somewhere between March 12th and March
9 25th when you saw Mrs. Smith, that you were
10 attempting to contact Dr. Collins. I guess I am a
11 little unclear as to why you were calling
12 Dr. Collins.

13 And let me just back up, it is going to be
14 kind of a long question here.

15 Now, I realize that he recommended to you
16 that you might want to get a sleep study, because
17 there was a question whether or not she had a sleep
18 apnea because she had difficulty sleeping.

19 Dr. Collins also recommended an MRI. But
20 when you got the results of that back, you made a
21 consult to Dr. Hlavin, correct?

22 A. Well, Dr. Crownover saw it and she discussed
23 it with Dr. Hlavin, and in her 11-27-95 note, she
24 discusses with Dr. Collins and was referred to the
25 neurosurgeon from there.

1 Q. So you were trying to get ahold of
2 Dr. Collins so that he might be able to tell you who
3 should manage this or look into this sleep apnea
4 problem?

5 A. That is correct.

6 Q. Did you ever make any attempt to call someone
7 from the sleep study -- I am sorry -- the Sleep
8 Center?

9 A. I had not. It was Dr. Collins that initially
10 requested that. She was referred for the test, and
11 then I discussed it with him, because I didn't know
12 where to go with that.

13 Q. Did you ever make any attempt to talk to
14 Dr. Brooks?

15 A. No, I just made my attempts to talk to
16 Dr. Collins.

17 Q. Doctor, you were aware that Dr. Collins was
18 not the only neurologist at University?

19 A. That is correct.

20 Q. So when you were unable to get ahold of
21 Dr. Collins, you could have called another
22 neurologist, correct?

23 A. Dr. Collins is familiar with the case. He
24 was the one who had assisted in my management of the
25 patient. The patient had multiple issues going on,

1 and it was the kind of case where I felt I really
2 needed someone who had had some continuity with her,
3 to discuss, and I felt comfortable with his
4 management, his recommendations, and he had made
5 recommendations all through the course.

6 Q. And I understand that. But you could have
7 called someone else, correct?

8 A. There are other people that could be called,
9 but I anticipated, since I had --

10 MR. BETZ: You answered the question.

11 THE WITNESS: Okay, thank you.

12 Q. Now, on February 8th, 1996, Dr. Collins sent
13 you a letter, if you want to just take a minute.

14 A. Yes.

15 Q. And with that letter, I believe he sent to
16 you a copy of his office notes.

17 A. Yes, he does.

18 Q. Now, you were aware, in that letter, February
19 8th, 1996, that Dr. Collins had no intention of
20 following up with her again; is that correct?

21 A. He said that, I have not scheduled a
22 follow-up with her since her seizures are
23 controlled.

24 But many times, when a consultant finishes
25 one task, as a primary care physician, especially in

1 areas where I need continued assistance, that I will
2 follow back up with them, because they may -- I may
3 need more of their management expertise, and he
4 noted there that if you have any questions about her
5 care or if I can be of any help, just give a call.

6 Q. Yes, I understand that. And you certainly
7 could have consulted Dr. Collins again.

8 But based on this letter, you were aware that
9 at least in Dr. Collins' mind, he was not going to
10 follow up with her any more or do any, you know,
11 continuing treatment or see her, based upon this
12 letter?

13 A. He stated that there, but then also the test
14 that he ordered with me, the overnight polysomnogram
15 report, he would also be receiving that, because we
16 both were referred for that test, and I called him
17 because I wanted to discuss what to do with the
18 results of that.

19 Q. What is the basis of your comment that he
20 received the results of the polysomnogram?

21 A. When they have the report, whoever they refer
22 it to, they are supposed to send a copy to, and they
23 acknowledge on this that it is referred from me as
24 well as Dr. Collins.

25 9. Do you have any information that Dr. Collins

1 did in fact ever receive the results of the sleep
2 study?

3 A. No.

4 Q. And you were not aware whether or not
5 Dr. Collins was in fact the type of neurologist that
6 he wouldn't even be involved with a sleep apnea,
7 correct?

8 A. That is correct.

9 Q. You said you had discussed the case with
10 Dr. Collins. I don't know if anyone ever asked you
11 you when you and he discussed this case, at any
12 time. Do you have any recollection?

13 A. I believe that I discussed it with him on the
14 3rd of November, and that is based on the fact that
15 the note from Dr. Martin, 10-5-95, acknowledged that
16 patient was to see Dr. Collins on 11-3-95, and that
17 I have a referral that was made on 11-3-95, the same
18 date, that Dr. Collins was seeing the patient.

19 Q. Refer me to where you are looking at? 11-3?

20 A. It is just at the end of the 10-5-95, there
21 is an addendum.

22 Q. I am sorry, what note are you looking at?

23 A. 10-5-95, okay, and at the end there --

24 MR. BETZ: Just wait.

25 Q. Okay, I have got it. I am there.

1 A. So at the end, EEG for 10-9-95, underneath
2 that, Dr. Collins, 11-3-95, 1600, and then so I
3 note, patient was scheduled to see Dr. Collins on
4 November 3rd, and on November 3rd I am filling out a
5 referral to get the sleep study.

6 Q. Okay, so you think that the last -- well,
7 first of all, was that the only conversation you had
8 with Dr. Collins, was around this period of November
9 3rd, at any time?

10 A. I didn't document a further discussion, and I
11 know I discussed the case with him, and I just can't
12 remember, and I don't have a document to acknowledge
13 that.

14 Q. Do you recall anything about the last time
15 you talked to Dr. Collins, where you were with her,
16 in terms of evaluation and workup?

17 A. I am uncertain.

18 Q. Do you recall any conversation with
19 Dr. Collins after he suggested that you might want
20 to get a sleep study?

21 A. I don't remember.

22 Q. You knew on February 8th, 1996, by virtue of
23 the fact that Dr. Collins sent you his office note,
24 that he had not seen the results of the sleep study,
25 correct?

1 A. That is correct. And also the sleep study
2 preliminarily was noted the 7th of February, so he
3 wouldn't have received that in time to make a
4 comment to that, with this note.

5 Q. And you believe that because you put Collins'
6 and your name on the referral form, that Dr. Brooks
7 would have sent this to Dr. Collins as well as
a yourself? And by this, I meant, the results.

9 MR. BETZ: I am going to object to the
10 form of the question. I don't think he said
11 he put Dr. Collins' name on the referral
12 form, he was referring to the final
13 polysomnogram result that I think showed
14 Dr. Collins' name on top.

15 A. I acknowledged on the referral that
16 Dr. Collins requested it, and then referred by, it
17 is acknowledged at the top of the report,
18 Dr. Rowane, Dr. Collins.

19 Q. Okay.

20 Well, let me follow up here and make sure I
21 understand this.

22 A. Okay.

23 Q. This is the report -- I am sorry -- the form
24 that you fill out for a consult, and in this
25 particular case, it was for the sleep study,

1 correct?

2 A. That is correct.

3 Q. And when you say you acknowledge it, you are
4 talking about this reference to Dr. Collins in the
5 body of this, correct?

6 A. That is correct.

7 Q. And if this is a better question to ask
8 Dr. Brooks, please let me know.

9 How does wherever this is going to be
10 referred to in this particular case, a sleep study,
11 how would that doctor know who to send the report
12 to, but for the referring physician, which is down
13 here, which I believe that is you?

14 A. I know when I got the final report, both my
15 name and Dr. Collins' was there.

16 Q. And I have seen that.

17 A. Okay.

18 In the body, a lot of times, if I do
19 referrals, because of managed care, and I have to
20 initiate them, a lot of times I will note that the
21 key physician is sometimes a specialist, and I will
22 put them in the body of that, so that they make sure
23 they get reports, because they are the primary
24 person that is driving that workup and management of
25 that.

1 Q. When you received the February 8th, 1996
2 correspondence with Dr. Collins, did you make any
3 attempts to contact him then relative to the sleep
4 study?

5 A. I am not certain when I received this in
6 relation to receiving the other study, I don't know
7 whether I received this first or that first. So I
8 don't recall that.

9 Q. Are you aware now -- now, meaning today --
10 that Dr. Collins' specialty is -- well, at the time
11 when he was at UH, was seizure disorders?

12 A. I am aware now.

13 MS. PETRELLO: I don't know if Patty
14 has any questions. I am just going to look
15 at my notes real quick, just in the interest
16 of time, because we have been here a long
17 time.

18 CROSS EXAMINATION

19 BY MS. CUTHBERTSON:

20 Q. Dr. Rowane, I represent University Hospitals
21 of Cleveland. I have a couple of questions for you.

22 When you assumed Dr. Sebas' case load, at
23 that time could patients choose their own primary
24 care physician?

25 A. Yes.

1 Q. Did you tell patients that, for example, when
2 you assumed Dr. Sebas' case load?

3 A. I believe that Dr. Sebas sent a letter to all
4 of his patients explaining that he was leaving to
5 spend more time closer to his family, and that he
6 acknowledged that I was the physician that was
7 primarily stepping into his shoes. I don't have a
8 copy of that letter, so I don't know exactly what it
9 stated. But we have a lot of flexibility with the
10 office for people to go to who they would like to.

11 Q. And for example, you were Ms. Smith's primary
12 care physician, right?

13 A. Yes.

14 Q. There were others for her to choose from?

15 A. Yes.

16 Q. Did you at any time speak with anybody in the
17 sleep lab, before or after the sleep study?

18 A. No.

19 Q. I assume you didn't send them anything in
20 writing?

21 A. No, other than --

22 Q. Just the reports we have already talked
23 about?

24 A. That is correct.

25 Q. I understand that you testified that

1 basically you are ultimately responsible for
2 overseeing these patients in the family practice
3 clinic that are also seen by the residents and
4 medical students?

5 A. That is correct.

6 Q. And you testified you have no criticisms of
7 any other providers, and specifically from the
8 hospital's perspective, Dr. Whiting, Dr. Leventhal,
9 Dr. Martin?

10 A. I am not critical of any of my residents.

11 Q. Let me ask you, would you expect a resident
12 or a medical student to order a test like a stress
13 test, independent of consultation with you?

14 A. They may recommend a test to be done.

15 Q. But ultimately, that has got to be run by
16 you, for your patients, I mean?

17 A. Well, patients themselves are patients of the
18 practice, and any provider that is seeing them can
19 make decisions what they feel the best management
20 is, but usually if a consult is required, usually
21 that is run by an attending, for that to occur.

22 Q. Let me ask you, when you saw Ms. Smith on
23 various occasions, you did H and Ps. During those
24 physical exams, did she ever have an irregular
25 heartbeat?

1 A. That was never documented.

2 Q. Would that be something you would have
3 documented?

4 A. Very much so.

5 Q. Did those EKGs show that she had an irregular
6 heartbeat?

7 A. I believe both demonstrated she had normal
8 sinus rhythm.

9 MS. CUTHBERTSON: I guess that is all
10 I have. Thank you.

11 MS. PETRELLO: Actually, just a
12 couple.

13 RECROSS EXAMINATION

14 BY MS. PETRELLO:

15 Q. Do you recall how many times you actually
16 spoke with Dr. Collins regarding Patricia Smith?

17 A. I know one. Dr. Kevin Martin had spoken to
18 him. I honestly can't recall.

19 Q. Doctor, you were the physician that was
20 responsible for obtaining consults regarding any
21 problems that Ms. Smith may have had that was
22 outside of your expertise, including sleep apnea,
23 correct?

24 A. I am responsible for initiating all consults,
25 the appropriate person.

1 Q. Do you have any criticism of Dr. Hlavin?

2 A. No.

3 MS. PETRELLO: Okay.

4 MS. TOSTI: I don't have further
5 questions, but I would reiterate on the
6 record that I reserve the right to continue
7 this deposition as to any new opinions that
8 you should have relative to this case.

9 I think plaintiff is entitled to
10 discovery as to your opinions, and if there
11 are any opinions that we have not delved into
12 at this point in time, and you develop new
13 ones prior to trial, I reiterate my request
14 to continue your deposition relative to those
15 new opinions.

16 MR. BETZ: I disagree for the reasons
17 previously mentioned.

18 MS. TOSTI: Additionally on the
19 record, Ken Torgerson, who is representing
20 Dr. Lee Brooks in this case, received notice
21 of this deposition from myself, Jeanne Tosti,
22 as well as Attorney Tom Betz. We attempted
23 to contact him by phone this morning, a
24 message was left at his office.

25 At this point in time, I don't know

MR. BETZ: No, he doesn't. I disagree with that, as well.

MS. TOSTI: We are done.

— — —

— — —

MORSR, GANTVERG & HODGE

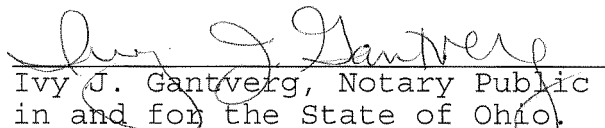
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CERTIFICATE

State of Ohio,)
) *SS:*
County of Cuyahoga.)

I, Ivy J. Gantverg, Registered Professional Reporter and Notary Public in and for the State of Ohio, duly commissioned and qualified, do hereby certify that the above-named MICHAEL ROWANE, D.O., was by me first duly sworn to testify to the truth, the whole truth, and nothing but the truth in the cause aforesaid; that the deposition as above set forth was reduced to writing by me, by means of stenotype, and was later transcribed into typewriting under my direction by computer-aided transcription; that I am not a relative or attorney of either party or otherwise interested in the event of this action.

IN WITNESS WHEREOF, I have hereunto set my hand and seal of office at Cleveland, Ohio, this 4th day of January, 1999.


Ivy J. Gantverg, Notary Public
in and for the State of Ohio.
Registered Professional Reporter
My commission expires November 5, 2003.