

ORIGINAL

IN THE COURT OF COMMON PLEAS  
FOR THE COUNTY OF CUYAHOGA, OHIO

-----  
TRACY ANN SMITH,  
Administrative, etc.,  
Plaintiff,

v.

UNIVERSITY HOSPITALS  
OF CLEVELAND, et al.,

Defendant.

CASE NO. 327823  
-----

Camden, New Jersey  
February 2, 1999

Transcript of testimony of LEE J.  
BROOKS, M.D., as taken by and before  
DENISE M. PITCHFORD, Registered  
Professional Reporter and Commissioner of  
Deeds of the Commonwealth of Pennsylvania,  
at the offices of Cooper Health Systems,  
Dorrance Building, 401 Haddon Avenue,  
commencing at 3:05 o'clock in the  
afternoon.

## A P P E A R A N C E S:

BECKER & MISHKIND  
BY: JEANNE M. TOSTI, ESQ.  
Skylight Office Tower  
1660 West Second Street  
Suite 660  
Cleveland, OH 44113  
Attorneys for Plaintiff

WESTON, HURD, FALLON, PAISLEY & HOWLEY  
BY: KENNETH A. TORGERSON, ESQ.  
Terminal Tower  
50 Public Square, Suite 2500  
Cleveland, OH 44113  
Attorneys for Lee J. Brooks, M.D.,  
Children's Research Foundation

(Via Telephone):

MOSCARINO & TREU, L.L.P.  
BY: PATRICIA C. CUTHBERTSOM,, ESQ.  
The Caxton Building  
812 Huron Road, Suite 490  
Cleveland, OH 44115  
Attorneys for Defendant, University  
Hospitals of Cleveland

MAZANEC, RASKIN & RYDER CO., L.P.A.  
BY: COLLEEN H. PETRELLO, ESQ.  
100 Franklin's Row  
34305 Solon Road  
Cleveland, OH 44139  
Attorneys for Defendant, Mary Hlavin,  
M.D., University Neurosurgeon  
Assoc., Stephen Collins, M.D.,  
University Neurologist Assoc.

GALLAGHER, SHARP, FULTON & NORMAN  
BY: JACK O'DONNELL  
THOMAS F. BETZ, ESQ.  
Bulkley Building  
1501 Euclid Avenue, 7th Floor  
Cleveland, OH 44115  
Attorneys for Defendant, Michael Rowane,  
M.D.

I N D E XWITNESSPAGE

LEE J. BROOKS, M.D.

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2 (Exhibits P-1 through P-5  
3 marked for identification.)

4 MS. TOSTI: Before we begin,  
5 can I enter the stipulation that Ohio  
6 Rules of Civil Procedure will apply and  
7 that there would be a waiver of any  
8 defects in notice or service?

9 UNIDENTIFIED SPEAKER:  
10 Certainly.

11 MS. TOSTI: I think you need  
12 to identify yourself when you answer.

13 MS. PETRELLO: No objections.  
14 Petrello.

15 MS. CUTRBERTSON: No  
16 objection. Cuthbertson.

17 MR. O'DONNELL: This is Jack  
18 O'Donnell. No objections.

19 MS. TOSTI: Colleen, you're  
20 coming in very weakly. Are you on a  
21 speaker phone?

22 MS. PETRELLO: Yes.

23 MS. TOSTI: Because we can  
24 barely hear you. We can hear the other

1 - LEE J. BROOKS, M.D. -

2 two pretty well.

3 MS. PETRELLO: Is this any  
4 better?

5 MS. TOSTI: A little bit.

6 MR. TQGERSON: Just shout out  
7 Colleen when you want to say something.

8 MS. PETRELLO: Okay.

9 MS. TOSTI: Would you swear in  
10 the witness, please?

11 LEE J. BROOKS, M.D., after  
12 having been first duly sworn, was examined  
13 and testified as follows:

14 EXAMINATION

15 BY MS. TOSTI:

16 Q. Doctor, would you state your  
17 full name for us, please?

18 A. Lee J. Brooks.

19 Q. And what is your home address?

20 A. 28 Bunning Drive, Voorhees,  
21 New Jersey.

22 Q. And what is your current  
23 business address?

24 A. 401 Haddon Avenue, Camden, New

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Jersey.

Q. And in February of 1996, what was your business address?

A. Rainbow Babies and Childrens Hospital. I don't remember the exact street address.

Q. In February of 1996, who was your employer?

A. Case Western Reserve University.

Q. And were you employed by anyone else besides Case Western Reserve in February of 1996?

A. No.

Q. Were you an employee of any professional medical group in February of 1996?

A. My paycheck came from Case Western Reserve.

Q. Okay, Doctor, I believe that when you answered discovery requests in this case when you were asked whether you were an employee of any particular medical

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group, your response was that you were a member of University Faculty Practice. Is that the name of a group that you were employed by?

A. I don't remember.

MS. CUTHBERTSON: Hey, Jeanne, while we're starting this out, do you mind if the rest of us introduce ourselves?

MS. TOSTI: No, go ahead.

MS. CUTHBERTSON: Dr. Brooks, my name is Pat Cuthbertson. I represent University Hospitals of Cleveland.

THE WITNESS: Howdy.

MS. CUTHBERTSON: Hi.

MS. PETRELLO: Dr. Brooks, my name is Colleen Petrello, and I represent Dr. Collins and Dr. Hlavin,

THE WITNESS: Hi.

MS. PETRELLO: Hi.

MR. O'DONNELL: And this is Jack O'Donnell. I'm here for Dr. Rowane.

THE WITNESS: Okay.

MR. O'DONNELL: And so long as

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we're interrupting questions right now,  
with Dr. Collins a couple weeks ago I  
could hear the doctor fine, but I could  
hardly hear Jeanne. But today is the  
opposite. Maybe if you could move the  
phone closer to the doctor.

MR. TORGERSON: He'll speak  
up.

THE WITNESS: Okay, I'll try  
to speak louder.

MS. TOSTI: In actuality, the  
phone is sitting in front of the doctor.

MR. O'DONNELL: Okay.

BY MR. TOSTI:

Q. Okay, Doctor, you have a copy  
here of Answers to Interrogatories that  
were made, and the question that was put  
to you in Interrogatory Number 7 was, "At  
the time that you rendered care to  
plaintiff or plaintiff's decedent, were  
you an employee of any professional group  
or any corporate entity?'"

And the answer that you listed



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was University Faculty Practice.

MR. TORGERSON: Wait a minute. Are you asking him if that's the answer to that question? We'll stipulate that is the answer to that question.

BY MS. TOSTI:

Q. That's the answer. Is that a correct answer?

A. I honestly don't know where the money funneled into Case from. I got my paycheck from Case, and I considered them my employer.

Q. Okay. Well, the answer that you gave here is "University Faculty Practice" in answer to the question, "At the time that you rendered care to plaintiff or plaintiff's decedent, were you an employee of any professional group or corporate entity?" You answered.

And Number 58, "If answer to the proceeding Interrogatory is in the affirmative, please state the complete name of any professional group or any

1 -LEE J. BROOKS, M.D.-  
2 corporate entity or address of its  
3 statutory agent."

4 And you answered, "University  
5 Faculty Practice."

6 A. Yes.

7 MR. TORGERSON: Okay,  
8 objection.

9 That's not a question,  
10 Doctor. She's making a statement. Make  
11 sure that you answer questions.

12 BY MS. TOSTI:

13 Q. That was the question, that  
14 was the answer that you gave at the time  
15 that you answered these Interrogatories,  
16 correct?

17 MR. TORGERSON: Objection.  
18 You may answer.

19 A. I honestly do not know where  
20 the thing came from. I don't know what  
21 happened to -- I don't know. I don't  
22 know.

23 Q. Doctor, there's a verification  
24 page on these Interrogatories that you

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signed that says that you've read the foregoing answers to these sets of Interrogatories and that it states that the same are true to the best of your ability and knowledge.

Do you recall signing that?

A. I don't recall signing it, but that's my signature.

a. Okay. And that's notarized also, Doctor, isn't it, Doctor?

A. Yes, it is.

Q. And so, Doctor, what I'm asking you, is this a truthful answer that you were employed by University Faculty Practice at the time that you rendered care to Patricia Smith?

MR. TORGERSON: Just a moment. Let me insert an objection. That's been asked and answered, and we've stipulated that that's his answer. And the thing you just read him, the verification said the same are true to the best of his ability and knowledge.

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2                   Now, I don't know what more  
3                   you can ask him to say because he's said  
4                   he doesn't know now.

5                   BY MS. TOSTI:

6                   Q.       Well, I would like to know if  
7                   you can tell me what University Faculty  
8                   Practice is, what is that?

9                   MR. TORGERSQN:   If you know,  
10                  go ahead, Doctor.

11                  A.       I don't know with certainty.

12                  Q.       Okay.   You don't know with  
13                  certainty?

14                  A.       Right.

15                  Q.       Were you ever employed by  
16                  University Faculty Practice?

17                  A.       Not to my knowledge.

18                  MR. TORGERSON:   Let me just  
19                  say that I can't tell whether that is a  
20                  generic description of what he believed  
21                  was his employer or as the question seems  
22                  to ask a specific group, which I guess  
23                  what you are getting at.   We will try to  
24                  find out what the Doctor's memory does not

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assist him in answering at this time to find out whether that was a specific group or a generalized statement of his understanding of his arrangement at that time.

Q. Okay, Doctor, in February of 1996, were you ever a professional employee of Children's Research Foundation?

A. Not to my knowledge.

Q. Okay. In answer to the Complaint in this matter, your attorney Joseph Farchione answered on your behalf and indicated that the corporation that you were a member of was Children's Research Foundation. Was that incorrect?

MR. TORGERSOM: Let me make an objection. But go ahead if you can answer whether it was correct that the attorney who then represented you answered at that time.

A. I'm not sure. Now I'm confused.

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Q. All right. Let me rephrase the question. Have you ever had any association with Children's Research Foundation?

A. Yes.

Q. Okay. What was your association with Children's Research Foundation?

A. My understanding is that the Children's Research Foundation represented the Department of Pediatrics at Rainbow Babies and Childrens Hospital.

Q. When you say represented, what do you mean by that?

A. It was part of Rainbow.

Q. Were you employed by Children's Research Foundation through the Department of Pediatrics?

A. Not to my knowledge. All of my paychecks said Case Western Reserve University.

Q. Did you hold any type of a position with Children's Research

1 -LEE J. BROOKS, M.D.-

2 Foundation at any time?

3 A. Not that I know of.

4 Q. And other than the services  
5 that you provided through Case Western  
6 Reserve University, did you provide any  
7 professional services for any other  
8 entity?

9 A. I'm not sure what you mean.

10 Q. Beyond the work that you did  
11 through Case Western Reserve University  
12 and were paid for under the auspices of  
13 Case Western Reserve, did you do any other  
14 professional work outside of that?

15 MR. TORGERSON: Point of time,  
16 February of '96?

17 MS. TOSTI: February of '96.

18 A. I took care of my patients.

19 Q. Okay. Did you have a private  
20 practice aside from what you were doing  
21 for Case Western Reserve?

22 A. No.

23 a. Okay. So that was still under  
24 the umbrella of the work that you were

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doing for Case Western Reserve University?

A. Correct.

Q. Doctor, what is your current professional medical employer, medical group employer?

A. Cooper Hospital.

Q. And do you have any practice outside of what you do here at Cooper Hospital?

A. No, I don't.

Q. Have you ever had your deposition taken before?

A. Yes.

Q. How many times?

A. One or two.

Q. And why was your deposition being taken? And by that I mean, were you a defendant, an expert, a treating physician?

A. I was an expert witness.

Q. The two times or the couple times that your deposition was taken, was that while you were still in the Cleveland



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area?

A. Yes.

Q. And the couple times that your depositions were taken, what was the subject matter of the cases that you were acting as an expert witness on?

A. One that I can recall was an infant with pulmonary disease who died. And I don't recall specifically others.

Q. Now, Doctor, I'm sure your attorney has reviewed some of the rules that we usually follow during depositions.

This is a question and answer session. It's under oath. It's important that you understand the question that I ask you. If you don't understand the question or if I've phrased it inartfully, just let me know and I'll be happy to rephrase it or ask it again. Otherwise, I'm going to assume that you understood the question that I asked you and that you're able to answer it.

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2 If at some point you wish to  
3 look at any medical records, I don't know  
4 if your attorney has provided you with any  
5 copies, but you may feel free to do so if  
6 you have those available.

7 At some point your attorney or  
8 some of the other attorneys that are with  
9 us via conference phone may enter an  
10 objection. You are still required to  
11 answer my question unless your attorney  
12 tells you not to. And all of your answers  
13 should be verbally given because our court  
14 reporter can't take down head nods or any  
15 type of hand motions.

16 MR. TORGERSON: Let me simply  
17 say, let your attorney make an objection  
18 before you answer any questions. So give  
19 a pause before you answer.

20 THE WITNESS: Okay.

21 BY MS. TOSTI:

22 a. Have you ever been named as a  
23 defendant in a medical negligence case?

24 a. Yes.

1 - LEE J. BROOKS, M.D. -

2 MR. TORGERSON: Objection.

3 BY MS. TOSTI:

4 Q. Okay, your answer was yes,  
5 Doctor?

6 A. Yes.

7 Q. Wow many times?

8 A. Once.

9 Q. And when was that?

10 A. About five years ago.

11 Q. Where was the case filed?

12 A. In Ohio.

13 Q. Cuyahoga County?

14 A. I believe so.

15 Q. And what was the allegation of  
16 negligence in that case?

17 A. It's not clear. I was one of  
18 many physicians who were named.

19 a. Well, what was the subject  
20 matter that it involved?

21 A. It was a child who had asthma.

22 a. And what happened to the  
23 child?

24 A. To the best of my knowledge,

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he is doing well, although he still has asthma.

Q. And do you know what was alleged that you did improperly or what the allegation was?

A. That was never clear.

Q. How was that case resolved?

a. I was released from the case in a very early portion.

Q. Okay. And do you recall the name of the plaintiff in that case?

A. I don't.

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

A. Never.

Q. And what states do you currently hold a license to practice?

A. New Jersey. I don't recall if my Ohio license is still active or inactive.

Q. Okay. At the time that you rendered care to Patricia Smith, you were

1                   -LEE 3. BROOKS, M.D.-  
2       licensed in the State of Ohio, is that  
3       correct?

4                   MR. TORGERSON:   Note an  
5       objection, foundation.   If the question is  
6       at the time of the events involving  
7       Patricia Smith, I think you can answer  
8       that question.

9                   MS. TOSTI:   That was my  
10      question.

11      BY MS. TOSTI:

12                  Q.       At the time that *you* rendered  
13      care to Patricia Smith, were you licensed  
14      in the State of Ohio to practice medicine?

15                  MR. TORGERSON:   I've objected  
16      to your characterization of rendering care  
17      of Patricia Smith at the time.   **And** we  
18      dispute that he rendered care, that's the  
19      basis of my objection.   If that helps you  
20      to --

21                  MS. TOSTI:   Let me rephrase my  
22      question then.

23      BY MS. TOSTI:

24                  Q.       In February of 1996, were

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you -- I'm sorry, were you licensed in the State of Ohio to practice medicine?

A. Yes, I was.

Q. Okay. Was your medical license in Ohio or any other state ever been suspended, revoked or called into question?

A. No, it hasn't.

Q. Okay. Doctor, have you ever given medical testimony at trial in a case?

A. Yes.

Q. Okay. And in what capacity were you giving medical testimony at trial?

A. I was an expert.

Q. Was that in like one of the two cases that you had your deposition taken?

A. Yes.

Q. Okay. And at any time that you gave testimony, did any of the cases that you gave testimony involve issues of

1 -LEE J. BROOKS, M.D.-

2 obstructive sleep apnea?

3 A. Could you rephrase the  
4 question?

5 Q. Yes. You have told me that  
6 you have given testimony at trial. And my  
7 question to you is, the times that you  
8 gave testimony at trial, did any of those  
9 cases involve issues of obstructive sleep  
10 apnea?

11 A. No.

12 Q. Any involving sudden death?

13 A. Yes.

14 Q. Okay. What was the case that  
15 you testified in that had to do with  
16 sudden death?

17 A. It was an infant in another  
18 state who was born severely prematurely,  
19 had many respiratory problems and died  
20 suddenly at home.

21 Q. Any involving seizures during  
22 sleep?

23 A. None.

24 Q. And Row many times have you

1 -LEE J. BROOKS, M.D.-

2 given testimony at trial?

3 A. Just that once.

4 Q. And Doctor, what hospitals do  
5 you currently have privileges at?

6 A. Cooper Hospital,

7 Q. And are they admitting  
8 privileges?

9 A. Yes.

10 Q. Okay, Doctor, I have a copy of  
11 your curriculum vitae, which you  
12 previously produced in a Request for  
13 Production of Documents. It's been marked  
14 as Plaintiff's Exhibit 1. I would like  
15 you to look it over, and tell me if you  
16 have any additions or corrections that  
17 you'd like to make to it.

18 A. There are some more recent  
19 publications that aren't on here.

20 Q. Okay. In regard to the  
21 publications that do not appear on here,  
22 do any of them deal with sleep apnea in  
23 adults?

24 A. No.



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2                   Q.       Okay. Do any of them deal  
3 with hypoxia or oxyhemoglobin desaturation  
4 during sleep?

5                   A.       You're referring to the  
6 references that are not on this?

7                   Q.       Yes. Yes.

8                   A.       I don't believe so.

9                   Q.       Okay. And do any of them deal  
10 with issues of seizures during sleep, any  
11 of the ones that are not currently on this  
12 curriculum vitae?

13                  A.       No.

14                  Q.       And Doctor, the postgraduate  
15 training that you have listed on your  
16 C.V., these are all in the area of  
17 pediatrics and pediatric pulmonology, is  
18 that correct?

19                  A.       That is correct.

20                  Q.       And do you have any additional  
21 post doctoral training in adult sleep  
22 disorders?

23                  A.       I took several courses in  
24 sleep disorders that were primarily aimed

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at adults.

Q. Okay. And when did you do that?

A. Maybe 10 years ago.

Q. And how long were those courses?

A. The longest was two weeks.

Q. Okay. And how many courses did you take?

A. Probably two or three.

Q. Okay. And the longest was two weeks, Wow long were the other courses?

A. I think one was about a week and another one was just a few days.

Q. Okay. And other than those courses that you've just told me about, have you had any other training or identification in the area of adult sleep disorders?

A. Yes.

Q. Okay. When, would you describe that for me?

A. I'm frequently asked to speak

1                   -LEE J. BROOKS, M.D.-

2           as part of a course on sleep medicine, and  
3           I'm usually the -- I usually stay and  
4           listen to the other speakers.

5           Q.       And how often do you do that?

6           A.       A couple of times a year.

7           Q.       Are these like seminars or  
8           conferences?

9           A.       Yes, that's exactly right.

10          Q.       And over how long a period  
11       does that conference usually run?

12          A.       Usually they are from two to  
13       five days.

14          Q.       What is the reason that you  
15       left your position in Cleveland?

16          A.       I had an opportunity here to  
17       start my own division, and they gave me a  
18       big raise. Plus my wife is from the area,  
19       and we were tired of shoveling snow.

20          Q.       Is there less snow here?

21          A.       A lot less.

22          Q.       When did you relocate?

23          A.       I think that was September of  
24       '96.

1                   -LEE J. BROOKS, M.D.-

2                   Q.       And do you currently hold any  
3                   title or position at Case Western Reserve  
4                   University?

5                   A.       Yes, I am.   I think I'm  
6                   Clinical Associate Professor of Pediatrics  
7                   at Case.

8                   Q.       Okay.   And in regard to that  
9                   particular title, what are your duties?

10                  A.       That I'm participating in some  
11                  research projects with people at Case and  
12                  elsewhere.   And this makes it easier for  
13                  me to continue to participate.

14                  Q.       Okay.   What type of research  
15                  projects, what's the subject matter?

16                  A.       This is a study of infants who  
17                  might be at risk for sudden infant death  
18                  syndrome.

19                  Q.       And aside from that position  
20                  as a clinical, did you say an associate?

21                  A.       Clinical Associate Professor.

22                  Q.       Of Peds.   Do you have any  
23                  other positions or titles with University  
24                  Hospitals of Cleveland?

1 -LEE J. BROOKS, M.D.-

2 A. No.

3 Q. Now, I believe you told me  
4 that you do not have a private practice  
5 outside of your position here at the  
6 hospital, is that correct?

7 A. That's right.

8 a. What is your current title and  
9 position here?

10 A. I am head of the Pediatric  
11 Pulmonary Division, and Director of the  
12 Family Sleep Center at Cooper Hospital.  
13 And I'm Associate Professor of Pediatrics  
14 at Robert Wood Johnson Medical School.

15 a. Okay. Now, in regard to the  
16 sleep disorder center here, what type of  
17 patients, and by that I mean children,  
18 adults or anything in between do you  
19 normally see in that center? What is the  
20 correct title for the center so that I'm  
21 calling it the right thing?

22 A. Family Sleep Center.

23 Q. Family Sleep Center, okay. In  
24 regard to the Family Sleep Center, how

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would you characterize the patient population that you see there?

A. Perhaps 25 percent infants, five percent adults and the remainder children and adolescents.

Q. Okay. Of the patients that are seen in the Family Sleep Center, do you personally do evaluations of patients at the center?

A. I'm not sure I understand the question.

Q. Do you see patients, do an evaluation, history, or is your position more administrative? I want to know what your clinical -- let me rephrase that.

Do you have clinical responsibilities in which you see patients directly in the Family Sleep Center?

A. Yes, I do.

a. Okay. Would you tell me what those responsibilities or duties are that you have that are clinical?

A. When a patient is referred to

1 -LEE J. BROOKS, M.D.-

2 me in the Family Sleep Center, I would  
3 take a history, examine them, and decide  
4 what tests and/or treatments are needed.

5 Q. And of the patients that you  
6 see, would the breakdown on percentages be  
7 close to what you just told me in regard  
8 to five percent adults, 25 percent infants  
9 and the rest adolescents and children?

10 A. That would be fair.

11 Q. Doctor, of the five percent of  
12 the adult patients that you may come in  
13 contact with, how many of the patients  
14 that you see have obstructive sleep  
15 apnea? And I'm speaking of the adult  
16 patients that you see.

17 A. Probably 95 percent of the  
18 adults have obstructive sleep apnea.

19 E. And the other five percent  
20 would be other sleep disorders?

21 A. That's right.

22 a. Now, Doctor, you were also  
23 Director of the Polysomnogram Laboratory  
24 at Rainbow Babies and Childrens, and I

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1 don't know if I have the proper titles for  
2 that particular unit. What is the correct  
3 title for the sleep disorders center at  
4 Rainbow Babies and Children that you  
5 worked at?

7 A. Of the center or of the lab?

8 Q. You were Director of the  
9 Polysomnogram Laboratory, was that  
10 correct?

11 A. Correct.

12 Q. Was there someone else that  
13 was the head of the center?

14 A. No, and let me -- I would --  
15 no.

16 Q. Okay.

17 A. At Rainbow?

18 A. Let's start with what was your  
19 title at Rainbow Babies and Children in  
20 regard to the sleep lab?

21 A. At what time?

22 Q. In February of 1996.

23 A. At that time, I did not have  
24 an official title.



1 - LEE J. BROOKS, M.D. -

2 Q. Okay, were you functioning as  
3 the Director of the Polysomnogram  
4 Laboratory in February of '96?

5 A. No, I was not.

6 Q. Was there a director?

7 A. Yes, there was.

8 Q. Who was that?

9 A. Dennis Landis.

10 Q. Okay. At what point in  
11 time -- your curriculum vitae says that  
12 you had a hospital appointment from 1986  
13 to '96 as Director of the Polysomnogram  
14 Laboratory and Sleep Disorders Center at  
15 Rainbow Babies and Childrens Hospital.  
16 Did your position as director change  
17 sometime in '96?

18 A. At that time I was responsible  
19 for all pediatric patients. That's why we  
20 specified Rainbow Babies and Childrens.

21 Q. Okay. So were you doing in  
22 February of '96, were you working with  
23 adults at all?

24 A. Yes, I was.

1 -LEE J. BROOKS, M.D.-

2 Q. Was there someone else that  
3 had responsibility for adults as director  
4 for adults?

5 A. I'm not sure.

6 Q. In February of '96, were you  
7 seeing patients other than those that you  
8 saw in the sleep center, did you have a  
9 pulmonology group of patients that you saw  
10 in the hospital aside from those that were  
11 being seen in the sleep disorder center?

12 A. Yes.

13 Q. And were those pediatric  
14 patients?

15 A. Yes.

16 Q. Did you see adult patients  
17 outside of the sleep center?

18 A. Extremely rarely.

19 Q. In February of '96, what  
20 percentage of the patients that were being  
21 seen in the sleep disorder center were  
22 adult patients?

23 A. I'm not sure I can answer  
24 that.

1 - LEE J. BROOKS, M.D.-

2 Q. You can't give me an  
3 approximation? Was the majority of them  
4 children?

5 A. I can give you an  
6 approximation of the patients that I saw.

7 Q. Okay. In February of '96 in  
8 regard to the patients that you saw, can  
9 you give me a breakdown on the age range  
10 of the patients?

11 A. Probably one-third infants,  
12 one-third children and one-third adults.

13 Q. Okay. Did you have any title  
14 or specific responsibility -- first off,  
15 did you have any specific title in regard  
16 to the polysomnogram laboratory in  
17 February of '96?

18 MR. TORGERSON: Could you read  
19 that question back?

20 (The record is read back as  
21 requested.)

22 A. I was Director of the  
23 Pediatric Polysomnography Laboratory.

24 Q. And did that title change at

1 -LEE J. BROOKS, M.D.-

2 any point in 1996?

3 A. I don't think so.

4 Q. Okay, Now, in regard to the  
5 sleep center, did you have any title in  
6 the sleep center?

7 A. What sleep center do you  
8 mean?

9 Q. I'm sorry, at University  
10 Hospitals Sleep Center. You had told me  
11 that that was different than the  
12 polysomnogram laboratory, and I'm asking  
13 you if you had any particular title  
14 associated with the sleep center?

15 A. Not other than what I've told  
16 you.

17 Q. I don't believe that you told  
18 me that there was any titles. So I'm  
19 asking if you had a specific title, and I  
20 would like you to answer yes or no to  
21 that.

22 MR. TORGERSON: Well, I'll  
23 object. I think it's been asked and  
24 answered, but go ahead if you can. She

1                   -LEE J. BROOKS, M.D.-

2           may simply be asking you to repeat so as  
3           to avoid confusion. If your answer is the  
4           same that's previously been given, you  
5           should tell her what that answer is.  
6           You've said. it's the same so...

7                   A.       I was the Director of  
8           Pediatric Polysomnography.

9                   Q.       Maybe I'm confused then. I  
10          thought you told me that the laboratory  
11          was separate from the sleep center, is  
12          that correct, those are two different  
13          things?

14                  A.       Correct.

15                         MR. TORGERSON: Well, okay.  
16          Give me -- wait just a minute. Be sure  
17          and give me a chance to object, Doctor.

18                         THE WITNESS: Okay.

19                         BY MS. TOSTI:

20                   Q.       Is the laboratory separate  
21          from the sleep center, because you had  
22          indicated earlier that there seemed to be  
23          a difference between the polysomnogram  
24          laboratory and the sleep center, are they

1                   -LEE J. BROOKS, M.D.,-  
2           two different entities?,

3                   MR. TORGERSOM:  Objection.  
4           That's her characterization, but answer  
5           the question, but understand that it's her  
6           characterization of what she believes you  
7           said previously.

8                   A.       Okay.  Yes, they are not the  
9           same.

10                  Q.       Okay, are they in the same  
11           area of the hospital?  Are they in the  
12           same physical. setting?

13                  A.       No.

14                  Q.       There are two separate  
15           physical settings, the polysomnogram  
16           laboratory is a separate area from the  
17           sleep center, is that correct?

18                  A.       Correct.

19                  Q.       And you've told me the  
20           pofysomnogram laboratory you did have a  
21           title as Director of Pediatrics for the  
22           Polysomnogram Laboratory, correct?

23                         MR. TORGERSON:  Objection.  
24           Asked and answered.  Go ahead.

1 -LEE J. BROOKS, M.D.-

2 BY MS. TOSTI:

3 Q. Correct.

4 A. Yes.

5 Q. Now, in regard to the **sleep**  
6 center, did you have any titles?

7 A. I was Director of the  
8 Pediatric Sleep Center at Rainbow Babies  
9 and Childrens Hospital --

10 Q. Okay.

11 A. -- in February of '96.

12 Q. Thank you. Doctor.

13 Now, Doctor, you are Board  
14 certified in several areas, is that  
15 correct?

16 a. That's right.

17 Q. Okay. Those areas, if you  
18 could just run through them for me that  
19 you hold Board certification in?

20 A. I'm Board certified in sleep  
21 medicine. I'm Board certified in  
22 pediatric pulmonology, and I'm Board  
23 certified in pediatrics.

24 Q. And did you pass both of those

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on the first try in regard to the Board certification test?

A. Yes.

a. Now, Doctor, on your curriculum vitae you have a presentation that you did, I believe in San Francisco in 1997 titled Obstructive Sleep Apnea: How are Children Different from Adults?

Do you recall that presentation that you made?

A. Yes, I do.

a. Has that particular presentation ever been reduced to a written form or a video or an audiotape?

A. No, it hasn't.

Q. Any syllabus or handouts from that particular presentation?

A. I don't recall if I prepared one.

Q. Okay. How are children different from adults in regard to obstructive sleep apnea?

A. That was a 15-minute talk.



1 -LEE J. BROOKS, M.D.-

2 Q. Well, can you give me three of  
3 the main ways that they're different, the  
4 three top ways that they're different?

5 MR. TORGERSOM: Note an  
6 objection, but go ahead.

7 A. Children tend to have more  
8 non-obstructive events. Children  
9 generally respond better to surgery than  
10 do adults. Children have fewer events  
11 overall than do adults.

12 Q. Okay. You also did a 1991  
13 presentation in Columbus on your  
14 curriculum vitae on the Diagnosis and  
15 Management of Sleep Apnea.

16 Has that ever been reduced to  
17 writing or an audio or videotape?

18 A. Could you read me the title,  
19 please? When was that?

20 Q. Take a look on your C.V., it's  
21 a 1991 presentation. It was in Columbus,  
22 Ohio. On Page 7 at the bottom.

23 a. Yes. I don't recall if  
24 there's a handout.

1 - LEE J. BROOKS, M.D. -

2 Q. Now, Doctor, in regard to the  
3 publications listed on your C.V., are  
4 there any that you feel have particular  
5 significance to this case?

6 MR. TORGERSON: Mote an  
7 objection, but you can answer if you can  
8 tell by looking at or recalling what they  
9 are about.

10 A. Many of them deal with  
11 obstructive sleep apnea.

12 Q. Out of the ones that are  
13 listed, which one do you feel has the  
14 greatest significance to this case?

15 MR. TORGERSON: Note an  
16 objection. The objection is this presumes  
17 he has total recall of what they are, but  
18 to the extent that you can generally  
19 remember and testify,

20 BY MS. TOSTI:

21 Q. Well, I would ask that you  
22 look at the C.V. in front of you and look  
23 through the various titles that you have  
24 listed there. And if at this time there's

1 -LEE J. BROOKS, M.D.-

2 one that you feel has a high level of  
3 significance, I would like you to point it  
4 out to me.

5 MR. TORGERSON: That's fair.  
6 It's okay what he says now, but if he  
7 reads over them tonight and says Eureka, I  
8 wouldn't want him to be precluded from  
9 modifying his answer.

10 MS. TOSTI: That's fine,

11 MR. TORGERSON: I'm further  
12 going to object because that implies that  
13 he knows what the issues are in this case  
14 as of this date. Although the doctor has  
15 submitted Interrogatories to plaintiff  
16 asking them to outline what their  
17 contentions of liability are with respect  
18 to him, it has not answered those  
19 directly, so that we may not know all of  
20 the issues in this case, But with that  
21 additional objection, go ahead and answer  
22 the question if you can, Doctor.

23 MS. PETRELLO: Petrello. Same  
24 objection.

1 - LEE J. BROOKS, M.D.-

2 A. Maybe if you could tell me  
3 what you're interested in, and I could  
4 tell you which of the articles pertain to  
5 that.

6 Q. Well, what I'm asking, as you  
7 sit here today, Doctor, if there's a  
8 particular article on there that you  
9 believe has any significance to this case,  
10 and if at this point there isn't one that  
11 jumps out at you, and I realize that you  
12 haven't read every one of them just before  
13 this deposition, just tell me that.

14 A. There isn't one that jumps out  
15 at me at this time.

16 Q. Can you tell me what you  
17 reviewed for this deposition?

18 A. I reviewed the polysomnogram  
19 report. I reviewed -- I briefly reviewed  
20 the deposition of Dr. Rowane. I reviewed  
21 the preliminary interpretation of the  
22 report.

23 Q. Okay. Have you reviewed any  
24 of the medical records of Patricia Smith?

1                   -LEE J. BROOKS, M.D.-

2                   A.       No, I have not.

3                   Q.       Wave you reviewed the records  
4                   that were kept by the sleep center?

5                   A.       I did look over a couple of  
6                   pages from the sleep center, yes.

7                   Q.       Have you seen the death  
8                   certificate on Patricia Smith?

9                   A.       No.

10                  Q.       The autopsy?

11                  A.       No.

12                  Q.       And have you looked at any of  
13                  the raw data from the polysomnogram?

14                  A.       Not in years.

15                  Q.       Not in preparation for today's  
16                  deposition?

17                  A.       That's right.

18                  Q.       Have you consulted with any  
19                  physicians in preparation for this  
20                  deposition?

21                  A.       No.

22                  Q.       And since this case was filed,  
23                  have you discussed this case with any  
24                  physicians?

1 -LEE J. BROOKS, M.D.-

2 A. No.

3 a. You haven't talked with Dr.  
4 Rowane or Dr. Collins or Dr. Hlavin?

5 A. No.

6 Q. And other than with counsel,  
7 have you discussed this case with anyone  
8 else since it was filed?

9 A. No.

10 Q. Do you have any Personal notes  
11 or personal files on this case?

12 A No, I don't.

13 Q. Have you ever generated any  
14 such notes?

15 A. No.

16 Q. Doctor, is there a particular  
17 textbook in the area of sleep disorders  
18 that you consider to be the best or the  
19 most reliable?

20 MR. TORGERSQN: Objection, but  
21 you can answer. In what regard? Sleep  
22 disorders?

23 S. TOSTI: Yes. That was my  
24 question.

1 - LEE J. BROOKS, M.D.-

2 A. Probably the most  
3 comprehensive would be Kryger's, A  
4 Textbook of Sleep Medicine.

5 Q. Do you refer to that text  
6 sometimes in your practice?

7 A. Sometimes.

8 E. Do you consider it to be  
9 authoritative?

10 MR. TORGERSON: Objection.  
11 What do you mean by authoritative?

12 THE WITNESS: That was my  
13 question.

14 BY MS. TOSTI:

15 E. One that you rely on in regard  
16 to information to guide you in your  
17 practice?

18 MR. TORGERSON: I note an  
19 objection, but you can answer,

20 A. I use many resources. That's  
21 one of them.

22 Q. Do you find the information  
23 contained in that book to be reliable?

24 A. For the most part.

1 - LEE J. BROOKS, M.D.-

2 Q. Okay. Doctor, during the  
3 remainder of this deposition, my questions  
4 are going to refer to adult patients, and  
5 I realize that you have a fairly large  
6 population of pediatric patients that you  
7 see. But when we talk about some of the  
8 medicine involving sleep apnea, I'm  
9 referring to adult patients, okay?

10 A. Okay.

11 Q. With that understanding, what  
12 is obstructive sleep apnea?

13 A. It's when the patient is  
14 unable to ventilate during sleep because  
15 of general obstruction of the upper  
16 airway.

17 Q. And what causes it?

18 A. Usually it's caused by a  
19 floppy pharynx.

20 Q. Anything else, any other  
21 causes?

22 A. I believe that's the primary  
23 cause.

24 a. Okay. What other risk factors



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for obstructive sleep apnea in an adult?

A. Obesity.

Q. Anything else?

A. That's the primary risk factor.

Q. Is nasal obstruction a risk factor?

A. Probably.

Q. What about enlarged tongue?

A. Perhaps.

Q. Have you ever seen enlarged tongue in the literature as being a risk factor for obstructive sleep apnea?

A. Not in adults, no.

Q. Are there any physical characteristics that a sleep expert looks for when evaluating someone with obstructive sleep apnea?

A. Yes.

Q. Okay, what are those?

A. Look at weight, look at the characteristics of the face and the pharynx, neck circumference.

1 -LEE J. BROOKS, M.D.-

2 Q. Okay, and are there any  
3 others?

4 A. Re always do a full physical  
5 exam.

6 MS. CUTHBERTSON: I couldn't  
7 hear the last part of that. Please repeat  
8 it.

9 A. We always do a full physical  
10 exam.

11 Q. In regard to the face and the  
12 pharynx, what are you looking for as a  
13 sleep expert that might tell you that this  
14 is a characteristic of someone who may  
15 have obstructive sleep apnea?

16 A. Rather than telling me if  
17 someone has sleep apnea, it can lead me in  
18 the direction of treatment.

19 Q. But I'm asking you as to what  
20 facial structures would key you in to  
21 that?

22 A. We would look for what we call  
23 a crowded pharynx. That may suggest that  
24 they may be more amenable to surgical

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treatment. There is an association with obesity. So the more obese the patient, the greater the risk for sleep apnea.

Q. Well, my question to you, Doctor, was in regard to the face and the pharynx. You told me you looked for the crowded pharynx. What do you look for in regard to the facial structure that may key you into leading into the direction that this patient may have obstructive sleep apnea?

A. We look at the relative size of the jaw.

Q. Okay. And what in regard to the size of the jaw is important?

A. If the jaw is small, then the person may be amenable to certain surgical procedures to treat the sleep apnea.

Q. Okay. Doctor, we were talking about physical characteristics that an expert looks for in evaluating. You also mentioned neck circumstance. What in regard to neck circumference is

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significant?

A. In adults it seems that a larger neck circumference, that patients with obstructive sleep apnea may have a larger neck circumference than patients without obstructive sleep apnea.

Q. Okay. People with obstructive sleep apnea, do they have any characteristic facial features?

A. There's no way to diagnose obstructive sleep apnea just by looking at the patients.

Q. That was not my question, Doctor, whether you could diagnose a patient. My question is whether or not there is any trend in facial features in patients that have obstructive sleep apnea?

A. There's tremendous variability in everything. And there are patients with small jaws who have sleep apnea and patients with small jaws who don't have sleep apnea.

1                   -LEE J. BROOKS, M.D.-

2                   Q.       So Doctor, there is no  
3 features that a sleep expert would look  
4 for in a patient other than the small jaw  
5 that you've already mentioned in regard to  
6 sleep apnea?

7                   A.       The small jaw, the crowded  
8 pharynx that we talked about.

9                   Q.       What are the signs and  
10 symptoms of obstructive sleep apnea?

11                  A.       The patient would snore,  
12 Perhaps someone has noted that they stop  
13 breathing during sleep. Their sleep may  
14 be restless. They may be sleepy during  
15 the daytime. They may have difficulty  
16 concentrating at work or at school.

17                  Q.       Is hypertension associated  
18 with obstructive sleep apnea?

19                  A.       Yes.

20                  Q.       In regard to the onset of  
21 obstructive sleep apnea, is that a gradual  
22 or usually sudden type of an onset?

23                  A.       I believe it's usually  
24 gradual.

1 - LEE J. BROOKS, M.D.-

2 Q. Now, are there any  
3 complications associated with severe  
4 obstructive sleep apnea?

5 A. Probably the most common  
6 complication is daytime sleepiness.

7 Q. What other complications are  
8 associated with severe obstructive sleep  
9 apnea?

10 A. Over many years the patient  
11 might develop cor pulmonale.

12 Q. Anything else?

13 A. Those are the two big ones  
14 that come to mind right now.

15 Q. Is hypertension one of the  
16 complications that can occur as a result  
17 of severe obstructive sleep apnea?

18 A. Hypertension is associated  
19 with sleep apnea. It's less clear what's  
20 cause and effect since obesity is a  
21 predisposing factor to both,

22 Q. Is cardiomyopathy an  
23 associated complication of obstructive  
24 sleep apnea?

1                               -LEE J. BROOKS, M.D.-

2                   A.       Not that I know of.

3                   Q.       What about cardiac  
4       arrhythmias, is that a complication that's  
5       associated with severe obstructive sleep  
6       apnea?

7                   A.       It can be.

8                   Q.       What about sudden death, is  
9       that a complication associated with severe  
10      obstructive sleep apnea?

11                  A.       I don't believe it is.

12                  Q.       Doctor, would you agree that  
13      obstructive sleep apnea is a potentially  
14      life-threatening disorder?

15                         MR. TORGERSON:  Objection.  If  
16      you agree with the question.

17      BY MS. TOSTI:

18                  Q.       You may answer, Doctor.

19                  A.       Yes.

20                  Q.       Can obstructive sleep apnea  
21      cause sudden death in sleep?

22                  A.       I don't know.

23                  Q.       Doctor, are you familiar with  
24      any studies that have looked at the death

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rate of adult patients with untreated  
severe obstructive sleep apnea --

A. Yes.

Q. -- that die in their sleep?

A. I am familiar with studies  
that look at the death rates of patients  
with sleep apnea. I don't recall that  
they specified that the patients died in  
their sleep.

Q. If a patient has coronary  
artery disease and severe obstructive  
sleep apnea, are they at increased risk  
for sudden death during sleep?

MR. TORGERSON: Objection.

A. I don't know. I don't know of  
data to support that.

Q. Is it appropriate to describe  
obstructive sleep apnea as mild, moderate  
and severe? Is that an appropriate way to  
describe different levels of sleep apnea?

A. That's the way it's done.

Q. Okay. And what does it mean  
to have severe obstructive sleep apnea?



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1 And what I'm asking for, are there  
2 parameters or criteria necessary to  
3 describe someone having severe obstructive  
4 sleep apnea? And then I'm going to ask  
5 what mild and moderate are.  
6

7 A. There aren't strict criteria  
8 for that.

9 Q. All right. Tell me what  
10 criteria you use.

11 A. I generally look at, a  
12 respiratory disturbance index of 20 or  
13 more to call it severe.

14 Q. Do you use anything else to  
15 differentiate between those various levels  
16 other than the respiratory disturbance  
17 index?

18 A. I look at the oxygen  
19 desaturation. I look at the effect on  
20 sleep architecture.

21 Q. And in regard to the oxygen  
22 desaturation, is there a particular level  
23 or number of episodes that it drops that  
24 you're looking at?

1 - LEE J. BROOKS, M.D.-

2 A. No, there isn't a strict  
3 number like that.

4 Q. Okay, Well, what level do you  
5 look at in regard to oxygen desaturation  
6 where you put the patient into the severe  
7 category as opposed to a mild or moderate?

8 A. I don't look at the oxygen  
9 saturation and isolation to determine  
10 that,

11 Q. So it would be in combination  
12 with the respiratory disturbance index and  
13 the other data?

14 A. Yes, that's right.

15 Q. And in regard to the sleep  
16 architecture, what specifically do you  
17 look at?

18 A. I look for the number of  
19 arousals, the number of awakenings, the  
20 quality of sleep, the stages of sleep.

21 Q. Do people that have severe  
22 obstructive sleep apnea, do they generally  
23 progress over time from mild to moderate  
24 and then eventually into severe?

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2 MR. TORGERSON: Objection. If  
3 you can answer that, go ahead.

4 A. You're talking about adults?

5 Q. I'm speaking about adults.  
6 All of my questions are in regards to  
7 adults.

8 A. I don't think anyone knows  
9 that,

10 Q. How is obstructive sleep apnea  
11 diagnosed? And again, all of these  
12 questions are in reference to an adult.

13 A. When a patient presents with a  
14 history and physical exam as a clinical  
15 presentation that is consistent with sleep  
16 apnea, they come to the polysomnography  
17 lab and the diagnosis is confirmed or not.

18 a. So would the polysomnogram be  
19 the confirming piece of information once  
20 you've got a history and a physical that  
21 tells you that the person does or doesn't  
22 have obstructive sleep apnea?

23 A. Yes.

24 Q. What type of questions should

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be asked in taking a history in a patient that is suspected of having obstructive sleep apnea?

A. Questions that I ask have to do with snoring. Whether the witness had respiratory pauses, whether the sleep is restful or restless, whether the person is sleepy during the daytime, performing well at work or school.

a. Does obstructive sleep apnea have any effect on oxygen saturation levels during sleep?

A. When you are not breathing, your oxygen tends to drop,

Q. Are there any complications associated with low oxygen saturation levels during sleep?

A. You're referring to obstructive sleep apnea?

&. Correct-

A. To the best of my knowledge, there haven't been specific studies that show that. That is directly related to

1 - LEE J. BROOKS, M.D. -

2 the oxygen desaturation.

3 Q. What is a polysomnogram?

4 A. That's a multichannel study of  
5 the patient during sleep.

6 Q. And what information is  
7 collected?

8 A. We collect ECGs to look at the  
9 stages of sleep and arousals. We look at  
10 movement of the chest wall and the  
11 abdomen. We look at air flow at the nose  
12 and/or mouth. We look at the EMG of the  
13 leg, of the chin and often of the  
14 intercostal muscles. Sometimes we will  
15 do, we will measure exhaled CO2.  
16 Sometimes we will measure esophageal Ph.

17 a. You do rhythm strips?

18 A. No.

19 Q. No?

20 A. Oh, ECG is on the polygraph,  
21 but it is not what anyone would consider a  
22 rhythm strip, at least not what I would  
23 consider a rhythm strip.

24 a. Why wouldn't you consider that

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a rhythm strip, what lead are you monitoring on a polysomnogram?

a. It's a modified lead two.

Q. And why would you not consider that a rhythm strip?

A. Well, because I consider a rhythm strip to be something done by a cardiologist where the ECG leads are put on with some care to location and they're going to be making certain measurements from that. Given the number of leads that are on a patient in the sleep lab, you can't always put the leads just where you'd like them. So it's as good as a rhythm strip.

Q. What's the purpose of monitoring the cardiac rhythm?

A. To identify arrhythmias.

Q. And is the polysomnogram able to do that when you utilize the various forms of data collection that you've just described?

A. Yes.

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2 Q. Now, once all of this  
3 information has been collected, the  
4 patient actually -- strike that.

5 The patient goes into the lab  
6 and actually goes to sleep for a period of  
7 time, is that correct?

8 A. That's correct.

9 a. And is there a set number of  
10 hours that this polysomnogram runs over  
11 usually?

12 A. It runs overnight. We like to  
13 see six hours of sleep or eight hours in  
14 the lab.

15 Q. Okay. Once all of this data  
16 is collected, who interprets the raw data?

17 A. The raw data is looked at by a  
18 technician, and then reviewed by the  
19 physician.

20 Q. So the physician actually goes  
21 through all of the data that is collected?

22 A. No.

23 Q. Okay. What does the physician  
24 do then in regard to interpreting this?

1                   -LEE J. BROOKS, M.D.-

2                   A.       The physician -- well, I sit  
3 down with the technician, if possible, and  
4 review random epics, and to confirm the  
5 technician's impression. And the  
6 technician may bring specific items to my  
7 attention that he or she was concerned  
8 with, and we'll be sure to review those.

9                   Q.       Generally, how much of the raw  
16 data would you as a physician look at?  
11 You have six to eight hours of raw data.  
12 How much when you sit down with a  
13 technician do you actually look at?

14                  A.       My review generally takes 30  
15 minutes to an hour.

16                  Q.       And what portion of the raw  
17 data would you be looking at in that 30  
18 minutes to an hour?

19                  A.       I would look at some randomly  
20 selected epics. I would look at any areas  
21 that the technicians had concern about. I  
22 usually try to pick up and look over a  
23 segment of REM sleep.

24                  Q.       Doctor, in regard to portion,



- LEE J. BROOKS, M.D. -

I'm asking for a Eraction or a percentage of all of the raw data. What generally would you look at?

A. That's hard to say because it would vary from patient to patient. It could be anywhere from five percent perhaps to thirty percent of the record.

Q. And you would be relying then on the technician to point out any areas that they were concerned about, those are the ones -- let me rephrase that.

The five to thirty percent that you look at, is your attention directed to that portion by the technician?

A. In some -- part of it. I also review parts of the record that the technician didn't have questions over just to be sure that where he or she saw a lot of events or few events, that I agree with them in their characterization of the events.

Q. Once a polysomnogram is

- LEE J. BROOKS, M.D. -

finished, and I'm referring to the collection of the data, how long does it take for the technician to interpret the data?

A. Depending on how severe the problem, it can take anywhere from two hours to ten hours.

Q. And then normally once the technician finishes the initial interpretation, then you as the physician would take another 30 minutes to an hour to look over the data again?

A. That's right.

E. So Doctor, once a polysomnogram is completed, how long does it take from the point of completion to generate a final report on a polysomnogram?

A. That varies. I think in many instances it's not uncommon for that to take a couple weeks.

Q. And why would it take a couple of weeks?

1 - LEE J. BROOKS, M.D.-

2 A. It depends on the staffing of  
3 the lab. It depends on the severity of  
4 the problem.

5 Q. In -- have you ever done split  
6 studies in which half of the study is  
7 diagnostic and the other half is done with  
8 CPAP or bi-level therapy or titration?

9 A. I strongly discourage them.

10 Q. Okay, why is that?

11 A. Because the first night and  
12 the second night of sleep are not the  
13 same. And I don't think -- I would --  
14 rather than wake someone up in the middle  
15 of the night and slap a mask on their  
16 nose, I would rather take the time to  
17 educate the patient on how to use the CPAP  
18 properly or why it's being used, let them  
19 choose the masks that are most comfortable  
20 for them. I think you get better patient  
21 compliance with the CPAP if you take the  
22 time and involve them in the decision to  
23 use it.

24 Q. Okay. Have you ever done

1 -LEE J. BROOKS, M.D.-

2 split studies?

3 A. Not that I recall.

4 Q. Okay. Are you aware of  
5 anybody that was doing split studies at  
6 Rainbow Babies and Childrens in the sleep  
7 center, did you see anyone doing split  
8 studies there?

9 A. Yes.

10 e\* And do you know why they were  
11 doing it in a split study method?

12 A. I don't know why they as  
13 individuals chose to do that.

14 Q. How is severe obstructive  
15 sleep apnea treated?

16 A. Again, in adults?

27 e. All of my questions are  
18 referring to adults, Doctor.

19 A. Okay. It can be treated with  
20 surgery, with nasal CPAP, with diet and  
21 behavioral modification or some  
22 combination of those.

23 e. Okay. And in regard to severe  
24 obstructive sleep apnea, which form of

1 - LEE J. BROOKS, M.D.-

2 therapy is most frequently used?

3 A, Probably nasal CPAP.

4 Q. And what are the indications  
5 for treating someone for obstructive sleep  
6 apnea, how do you decide that a particular  
7 patient should receive treatment?

8 A. Well, presumably once you have  
9 decided to send the patient to the  
10 laboratory, you've decided that if the  
11 study is positive, then you would treat  
12 them. So the decision to treat becomes a  
13 combination of your history, physical and  
14 laboratory results, like any medical  
15 problem.

16 a. Okay. After performing a  
17 sleep study evaluation if it's indicated,  
18 do you as a sleep specialist make  
19 recommendations as to how a problem should  
20 be treated?

21 A. Not if I haven't seen the  
22 patient.

23 a. Okay. If you have done an  
24 evaluation on a patient, they've been

- LEE J. BROOKS, M.D. -

referred to you for a sleep problem and you've done an evaluation, and by that are we speaking of a history and a physical?

A. Right.

Q. And then a sleep study?

A. Right.

Q. Do you then make recommendations in regard to treatment?

A. Yes.

Q. Now, Doctor, in regard to the sleep center at University Hospitals, what duties or responsibilities did you have in the sleep center?

A. When a patient was referred to me for evaluation, I would see them in the office, I would do an exam, a physical exam, perhaps X-rays and a sleep study, if necessary.

Q. And then once a sleep study was done, would you be the physician then that would sit down with the technician and review portions of the raw data?

A. Generally, yes.

- LEE J. BROOKS, M.D. -

Q. Were you involved in any way with the training of the personnel. in the sleep lab?

A. Yes.

a. Okay. What responsibilities did you have for training the personnel?

A. I was responsible for their initial. training.

Q. And what did that involve?

A. They apprenticed for a time with an experienced technician, and I sat down and reviewed the data with them regularly. It was an ongoing education as we sat down and reviewed the data.

a. Did you have any responsibilities for the policies and the procedures governing how the tests were carried out?

A. No.

Q. Okay, who had that responsibility?

A. Dr. Landis.

Q. Other than the orientation

- LEE J. BROOKS, M.D. -

that you were just describing or the initial training, did the technologists have any other training before they got to the point where they worked with you?

A. Could you be specific?

Q. All right. Were the people that scored the sleep studies in February of '96 registered technologists?

A. I don't recall.

Q. And when they came to work in the sleep lab before they started actually doing tests, did they come to you with any prior training?

A. Not as sleep technicians, no.

Q. Okay, were they trained as anything else?

A. One of the technicians was actually a physician. One of the technicians was -- had been a technician in another field. One of them had been an EEG technician.

Q. Okay. And when you did their initial training and they served this



-LEE J. BROOKS, M.D.-

apprenticeship, how long would they be doing this apprenticeship?

A. I didn't train all of them, by the way.

Q. Okay. Well, the ones that you trained?

A. How long did they do the apprenticeship with the experienced technician?

Q. Yes.

A. To the best of my recollection, it was several months.

Q. Doctor, was there information that was available to patients as a handout in the sleep center?

A. In my clinic I had -- yes. Yes, there was.

Q. Doctor, I'm going to give you what has been marked as Plaintiff's Exhibit Number 2. Let me show it to counsel, which is a booklet titled Sleep Apnea that was provided by University Hospitals in a Request for Production of

1 -LEE 3. BROOKS, M.D.-

2 Documents. And it was indicated that this  
3 was available to patients that were in the  
4 sleep center.

5 And I would like to ask you  
6 if, to your knowledge, this was available  
7 to patients in the sleep center.

8 MS. CUTHBERTSON: I assume  
9 that you're talking about February of '96?

10 MS. TOSTI: That's correct.

11 MS. CUTHBERTSON: That was  
12 Patty Cuthbertson.

13 A. I don't know.

14 Q. Okay. Was that ever made  
15 available to your patients, did you ever  
16 give that to your patients?

17 A. I don't recall.

18 Q. You wouldn't disagree with  
19 University Wospitals if they said that  
20 that booklet was available to patients at  
21 the time that Patricia Smith had her sleep  
22 study though, would you?

23 MR. TORGERSON: Objection,  
24 foundation. I don't think he can agree or

1                   - LEE J. BROOKS, M.D.-

2       not agree, and I don't think it's been  
3       established. And furthermore, I'm not  
4       going to allow him to disagree. So don't  
5       answer that question.

6       BY MS. TOSTI:

7               Q.       Do you know if Patricia Smith  
8       was ever given a copy of this booklet?

9               A.       I don't know.

10              Q.       Doctor, you're a member of the  
11       American Sleep Disorders Association,  
12       correct?

13              A.       That's right.

14              Q.       And they're a publisher of  
15       this particular booklet based on the front  
16       page of the booklet, correct?

17              A.       That's right,

18              Q.       Doctor, would you agree that  
19       CPAP is highly effective therapy for  
20       obstructive sleep apnea?

21                   MR. TORGERSON: Well, note an  
22       objection to your characterization, but go  
23       ahead if you can answer.

24                   MS. CUTHBERTSON: I'm going to

1 - LEE J. BROOKS, M.D.-

2 object. I'm wondering what are we talking  
3 about, now, then, when?

4 MS. TOSTI: Well, now. Let's  
5 talk about now first.

6 MS. CUTHBERTSON: Okay, '99.

7 BY MS. TOSTI:

8 Q. Is CPAP highly effective  
9 therapy for sleep apnea?

10 MR. TORGERSON: Same  
11 objection. Go ahead.

12 A. In most patients who will use  
13 it, yes.

14 Q. And in February of '96, did  
15 you also consider it highly effective  
16 therapy for obstructive sleep apnea?

17 MR. TORGERSON: Same  
18 objections. You can answer.

19 A. In most patients who would use  
20 it, yes.

21 Q. And would you agree that 80 to  
22 90 percent of the adult patients trying  
23 CPAP for sleep apnea are able to continue  
24 using it?

1 - LEE J. BROOKS, M.D.-

2 MR. TORGERSON: Objection,  
3 foundation. If you know.

4 MS. CUTHBERTSON: I'm going to  
5 object. Culbertson.

6 MS. PETRELLO: Petrello. I'll  
7 join.

8 MS. TOSTI: Could you repeat  
9 the question, please?

10 (The record is read back as  
11 requested.)

12 A. Over what period of time?

13 Q. You sound like there's a  
14 difference. Let's say initially.

15 MR. TORGERSON: Same  
16 objection.

17 MS. PETRELLO: Petrello. I'll  
18 join.

19 A. E believe that a high  
20 percentage of patients who were prescribed  
21 CPAP for sleep apnea will try it.

22 Q. And are they able to  
23 successfully utilize it?

24 A. What do you mean by

- LEE J. BROOKS, M.D. -

successful?

Q. Will they continue to use it for a period of a year after they're diagnosed?

MR. TORGERSON: Objection, but if you know.

A. I don't think that the success rate is as high as you said after a year.

Q. When do you think there's a fall off then with regard to the use of CPAP?

A. I don't know of good data that describes that.

Q. Okay. Are you aware of any studies that describe the percentage of patients that continue to use **CPAP** once they have started on it successfully?

A. I believe there are studies out there in adults, but I don't recall the exact findings.

Q. Doctor, if there's a concern that a patient is having seizures during sleep due to oxygen desaturations, do you

1 - LEE J. BROOKS, M.D.-

2 have an opinion as to whether a sleep  
3 study is indicated?

4 MS. PETRELLO: Objection.

5 MR. O'DONNELL: Jack  
6 O'Donnell. I'll note an objection.

7 MR. TORGERSON:: Could you read  
8 the question back, please?

9 (The record is read back as  
10 requested,)

11 A. If one **has** any concerns about  
12 physiology during sleep, then a sleep  
13 study is indicated.

14 Q. One of the warning signs of  
15 obstructive sleep apnea may be when a  
16 person falls asleep at an inappropriate  
17 time, is that correct?

18 a. That's right.

19 Q. And people that have sleep  
20 apnea may have problems with concentrating  
21 and they may become unusually forgetful,  
22 is that correct?

23 A. That's right.

24 Q. And people with obstructive

1 -LEE J. BROOKS, M.D.-

2 sleep apnea may seem uncharacteristically  
3 irritable, anxious or depressed, correct?

4 MS. PETRELLO: Objection.

5 Petrello.

6 A. Yes.

7 Q. Doctor, isn't it true that in  
8 a patient with obstructive sleep apnea  
9 when oxygen levels fall in the blood, the  
10 heart must work harder to circulate the  
11 blood, and **over** time that might cause high  
12 blood pressure?

13 MR. TORGERSON: Objection.

14 MS. PETRELLO: Objection.

15 MR. O'DONNELL: This is Jack  
16 O'Donnell. I'll note an objection.

17 THE WITNESS: Could I hear the  
18 question again, please?

19 (The record is read back as  
20 requested.)

21 MS. PETRELLO: Hi, this is  
22 Petrello. I want to clarify whether the  
23 saturation levels were falling during  
24 sleep.



1 -LEE J. BROOKS, M.D.-

2 MS. TOSTI: During sleep.

3 THE WITNESS: That that might  
4 cause high blood pressure -- I'm sorry,  
5 one more time, please.

6 (The record is read back as  
7 requested.)

8 A. I'm not sure that it has been  
9 shown that oxygen desaturations are a  
10 cause of prolonged high blood pressure.

11 Q. In a patient during sleep with  
12 obstructive **sleep** apnea, the heart **can**  
13 beat irregularly and may even pause for  
14 several seconds during sleep, is that  
15 correct?

16 A. That's correct.

17 Q. And would you agree that heart  
18 irregularities during sleep may account  
19 for some of the deaths of obstructive  
20 sleep apnea patients?

21 MR. TORGERSON: Objection.

22 MS. PETRELLO: Petrello.

23 Objection.

24 MR. O'DONNELL: This is Jack

- LEE J. BROOKS, M.D. -

O'Donnell. I'll note an objection to that last question.

A. That would be speculation,

a. And alcohol taken before bed in a patient with obstructive sleep apnea would increase the risk for airway obstruction during sleep, correct?

A. Alcohol before bed will often make obstructive sleep apnea worse, yes. Well, let's say may make obstructive sleep apnea worse.

Q. Once the diagnosis of severe obstructive sleep apnea has been confirmed on a polysomnogram, are there any clinical reasons for delaying therapeutic evaluation with CPAP or bi-level therapy?

MS. CUTHBERTSON:

Cuthbertson, Object to form.

MS. PETRELLO: Petrello.

Objection.

A. Say it again, please.

(The record is read back as requested.)

1 -LEE J. BROOKS, M.D.-

2 A. That would be a decision made  
3 by the person who has seen the patient and  
4 evaluated him.

5 Q. Okay. But Doctor, if you're  
6 the clinical physician that sees the  
7 patients, and I'm just asking if there's a  
8 reason for delay once the diagnosis has  
9 been made, is there any usual reasons that  
10 the delay has been made?

11 MR. TORGERSON: Note an  
12 objection.

13 MS. CUTHBERTSON:  
14 Cuthbertson. Same objection.

15 MS. PETRELLO: Petrello.  
16 Objection.

17 A. One may be planning a  
18 different type of treatment. For example,  
19 if you're planning surgery, you may want  
20 to proceed with surgery rather than the  
21 CPAP,

22 Q. Okay, but other than if you're  
23 planning to do surgery rather than CPAP,  
24 is there any other usual reason for

1                   -LEE J. BROOKS, M.D.-  
2       delaying therapy for a patient that has  
3       been diagnosed from a polysomnogram with  
4       obstructive sleep apnea?

5                   MR. TORGERSON:    Objection.

6                   MS. CUTHBERTSON:  
7       Cuthbertson.   Objection.

8                   MS. PETRELLO:    Petrello.  
9       Objection.

10                  A.       Not that I can think of.

11                  Q.       How can you evaluate a patient  
12       for CPAP therapy if the decision is made  
13       that the patient needs treatment, how do  
14       you initiate that treatment?

15                  A.       I bring them into the sleep  
16       lab for a second night. We teach them  
17       about CPAP. We teach them how to use it,  
18       how to keep it clean. We let them choose  
19       the mask that feels most comfortable to  
20       them. And then during the night in the  
21       sleep lab, we adjust the pressure to  
22       optimize the patient's breathing. Then we  
23       would prescribe that level of CPAP and  
24       that mask to their home care company.

I - LEE J. BROOKS, M.D. -

2 Q. And would that normally be a  
3 one night session that the patient would  
4 go through similar to what the original  
5 polysomnogram was, they would come in the  
6 night before and sleep and adjustments  
7 would be made during the night?

8 A. Yes.

9 Q. So they would actually sleep  
10 in the lab for this titration?

11 A. Exactly.

12 Q. In February of 1996, how would  
13 a referral be made to the sleep center for  
14 a sleep study?

15 A. If one wanted a sleep study,  
16 they would call up the laboratory and the  
17 secretary would schedule it.

18 Q. Okay. When a sleep study was  
19 being requested, would a written referral  
20 form usually come to the sleep center?

21 A. Sometimes.

22 Q. And how would this normally  
23 arrive at the sleep center, did it go  
24 through inter-hospital mail or did the

1                   -LEE J. BROOKS, M.D.-

2           patient bring it or how did the referral  
3           form get to the sleep center?

4                   MR. TORGERSON:   I know you're  
5           asking in general.   And do you understand  
6           that, Doctor?   I believe, let me just  
7           object to the open-ended. aspect of the  
8           question which implies that there is one  
9           way.

10                   MS. PETRELLO:   Petrello.  
11           Objection also.

12                   A.       It might get there by any of  
13           those ways.

14                   Q.       So it may be a phone call from  
15           a physician?

16                   A.       Yes.

17                   Q.       It could be by a written  
18           referral?

19                   A.       Yes.

20                   Q.       And it might come through the  
21           inter-hospital mail or the patient might  
22           bring it?

23                   A.       Correct, after having  
24           scheduled it by phone, for example.

1 -LEE J. BROOKS, M.D.-

2 Q. Okay. Who would do the  
3 scheduling by phone, would that be the  
4 patient or a physician that would do that?

5 MR. TORGERSON: Objection. If  
6 those -- objection to the limiting  
7 parameter of that question. But if you  
8 understand the question, answer it, if you  
9 know.

10 BY MS. TOSTI:

11 Q. Well, let me ask this, can a  
12 patient call up and schedule a sleep  
13 study, and I'm speaking in February of  
14 19963

15 A. I don't know.

16 Q. Okay. Doctor, I'm going to  
17 hand you what's been marked as Plaintiff's  
18 Exhibit 3, Let counsel see it first. For  
19 other counsel, Plaintiff's Exhibit 3 is a  
20 referral form from the University Family  
21 Medicine Foundation.

22 I'll just give you a minute to  
23 take a look at that, Doctor.

24 Okay, Doctor, have you **seen**

1 - LEE J. BROOKS, M.D.-

2 this referral form before?

3 A. I saw this form in reviewing  
4 some of the materials for the deposition,  
5 yes.

6 Q. So just recently you saw this  
7 form?

8 A. Yes.

9 Q. Is this the type of form that  
10 would normally come to the sleep center  
11 requesting a sleep study?

12 MR. TORGERSON: Objection. If  
13 you know.

14 a. I don't think so.

15 Q. Okay. What if you got a  
16 written referral, what would it normally  
17 look like?

18 MR. TORGERSON: Objection. If  
19 you can describe it, go ahead.

20 A. I'm not sure I can describe  
21 any typical written referral.

22 Q. There wasn't a form that you  
23 used for the sleep center then for sleep  
24 studies?



1                               -LEE J. BROOKS, M.D.-

2                   A.       No.

3                   Q.       So it would be whatever a  
4                   particular doctor's office had in regard  
5                   to a referral form. It might be different  
6                   for each doctor?

7                   A.       I think so, yes.

8                   Q.       Okay. Okay, now, Doctor, this  
9                   particular document you said was in the  
10                  sleep center records that you reviewed.  
11                  Did you at any time or would it be your  
12                  usual manner in reviewing a polysomnogram  
13                  to look over information that was provided  
14                  to the sleep center on the patient?

15                  MR. TORGERSON: Just a note of  
16                  clarification, I believe that he said it  
17                  was one of the documents that he looked  
18                  over in preparation for his deposition.

19                  MS. TOSTI: Correct.

20                  MR. TORGERSON: I don't  
21                  believe that he suggested that it was part  
22                  of the records that he reviewed that were  
23                  part of what you've represented were the  
24                  sleep center records,

1 - LEE J. BROOKS, M.D. -

2 MS. TOSTI: Well, all I can  
3 say is that in production of documents,  
4 these were provided from the sleep center  
5 as the records available on fat Smith.

6 BY MS. TOSTI:

7 Q. So I'm assuming that, Doctor,  
8 if they were in the sleep center records,  
9 that these would have been available at  
10 the time that Pat Smith's polysomnogram  
11 were done. Now, Doctor, you did the final  
12 report on Patricia Smith's polysomnogram,  
13 correct?

14 A. Yes. Regarding your last  
15 question, excuse me, I don't remember ever  
16 seeing this form before it was made  
17 available to me in reviewing the  
18 deposition.

19 Q. In regard to the sleep studies  
20 that were being done in February of '96,  
21 how was the scheduling of sleep studies  
22 prioritized?

23 A. I'm not sure of the question.

24 Q. How is it determined who would

- LEE J. BROOKS, M.D. -

get their study first and who would have to wait for their sleep study?

A. I believe that person would make a call to the secretary and they would be assigned time.

Q. Did a referring physician have an option to request a sleep study be done urgently?

A. They always had the option of calling one of the physicians and getting someone to the head of the line.

Q. And so arrangements could be made. If there were clinical reasons to do one early, they could get it done fairly quickly?

A. That's right.

Q. Do you know whether Patricia Smith's sleep study was given any priority in scheduling because there was concern she was having seizures during sleep which may have been due to oxygen desaturations?

MR. TORGERSON: You can answer it, if you know.

-LEE J. BROOKS, M.D.-

A. I don't know if she was given any of if anyone requested priority for her.

Q. In 1996, in February, did you have a standby list of patients that would be given earlier appointments should there be a cancellation?

A. I don't recall.

Q. Were patients ever referred to another sleep clinic in the area that may have a shorter waiting list?

MR. TORGERSON: If you know, if you know.

A. Not to my knowledge.

Q. In February of '96, there were other accredited sleep labs in the Cleveland area. Were you aware of any of them?

MR. TORGERSON: Okay, are you asking him if he's aware of other accredited or are you representing that he was aware of them.

MS. TOSTI: Let me clarify my

- LEE 3. BROOKS, M.D. -

question. It was a bad question.

BY MS. TOSTI:

Q. In February of '96, were you aware of any other accredited sleep labs in the Cleveland area?

A. Yes,

Q. How many were they?

A. I only know of one for certain,

Q. Would that be a Cleveland clinic?

A. That's the one.

Q. Were you familiar with any that were at Pulmonary Medicine Associates?

A. I don't recall them, no.

Q. In February of '96, what was the typical period of time between the time that a request for a sleep study was received in the center and the time that the patient received the sleep study?

MR. TORGERSON: Objection. If you know.

1 -LEE J. BROOKS, M.D.-

2 a. I don't remember.

3 MR. O'DONNELL: This is Jack  
4 O'Donnell. I'll object.

5 MS. CUTWBERTSON: Objection.

6 MS. PETRELLO: Objection.

7 Petrello.

8 A. I don't remember.

9 Q. Doctor, at your lab here  
10 what's the typical time between the time  
11 that a request is provided to you and the  
12 time that a test is done?

13 MR. TORGERSON: Objection.

14 You may answer.

15 MS. CUTHBERTSON: Same  
16 objection. Cuthbestson.

17 MS. PETRELLO: Same  
18 objection. Petrello.

19 A. We don't allow outside people  
20 to send patients in directly for a study.

21 a. Same question though, Doctor.  
22 From the time that you have a request that  
23 a study be done and the time that the  
24 study is actually done, what's the time

1 -LEE J. BROOKS, M.D.-

2 period?

3 MR. TORGERSON: Same

4 objection.

5 A. No one but me can request a  
6 study.

7 a. All right. Doctor, then in  
8 the studies that you request, what's the  
9 time period from the time that you make  
10 the request for the study and the time  
11 that; the study is done?

12 MR. TORGERSON: same

13 objection.

14 MS. CUTHBERTSON: Objection.  
15 Cuthbertson.

16 A. It could be anywhere from days  
17 to weeks.

18 a. Now, if an adult patient was  
19 referred to the sleep center for  
20 obstructive sleep apnea in University  
21 Hospitals in February of '96 for testing,  
22 what evaluation would be done on that  
23 patient?

24 A. If they were referred to the

1                               - LEE J. BROOKS, M.D.-

2           laboratory for testing alone?

3                       Q.       All right. Let's start with  
4           that.

5                       A.       They would have their test  
6           done and scored.

7                       Q.       No history or physical would  
8           be done on the patient?

9                       A.       Not by the physicians, no.

10                      Q.       Okay. And if they were  
11           referred to the sleep center, would there  
12           be a different protocol that would be  
13           followed?

14                      A.       Yes, if -- yes.

15                      Q.       What would be the protocol for  
16           that?

17                      A.       If the patient were referred  
18           to me, then I would do a history, do a  
19           physical exam, any laboratory tests that  
20           were needed, including sometimes a sleep  
21           study.

22                      Q.       And **over** the course of time,  
23           did you have some patients that were  
24           referred only for sleep studies and others



1 -LEE J. BROOKS, M.D.-

2 that came in for a full evaluation?

3 A. Yes.

4 Q. Was it typical to refer a  
5 patient just for a sleep study?

6 MR. TORGERSOW: Objection.

7 BY MS. TOSTI:

8 Q. Was that the norm?

9 MS. CUTHBERTSON: Objection.  
10 Cuthbertson?

11 A. In pediatrics it was not the  
12 norm at all.

13 Q. How about in regard to adults?

14 MR. TORGERSON: Same  
15 objection.

16 A. I don't know.

17 MS. CUTHBERTSON: Objection.  
18 Cuthbertson?

19 A. I don't know what their policy  
20 was with their patients.

21 Q. Doctor, were the technicians  
22 that were employed in the lab, were they  
23 employees of University Hospitals?

24 MR. TORGERSON: If you know.

1 - LEE J. BROOKS, M.D.-

2 A. I believe tkey were.

3 Q. And was University Hospitals'  
4 labs an accredited sleep lab?

5 A. It was an accredited sleep  
6 center.

7 Q. Sleep center in February of  
8 '96 I'm speaking of?

9 A. Yes.

10 Q. Who was the accrediting body?

11 A The American Sleep Disorders  
12 Association.

13 Q. And as an accredited lab, were  
14 you required to have protocols for  
15 emergency situations?

16 A. I believe so.

17 Q. Were these in writing?

18 A. I believe so.

19 Q. And in February of '96, was  
20 severe obstructive sleep apnea considered  
21 an emergency situation in your center?

22 A. No.

23 Q. Were there any protocols that  
24 addressed what should be done for a

1 - LEE J. BROOKS, M.D.-

2 patient whether they exhibited severe  
3 obstructive sleep apnea during the first  
4 half of a night during a sleep study?

5 MS. CUTHBERTSON: In February  
6 of '96 when she had hers done?

7 MS. TOSTI: Correct.

8 A. I believe they were.

9 Q. And what did that protocol  
10 entail?

11 A. If -- well, first, it did not  
12 apply to all patients. If the individual  
13 was felt to be a candidate for CPAP, and  
14 his physician wanted it, if they had clear  
15 uncomplicated obstructive sleep apnea with  
16 a respiratory disturbance index over 30, I  
17 believe it was, then the technician could  
18 start CPAP on the second half of the  
19 night.

20 a. Was there a protocol which  
21 required that a physician be informed  
22 during the night if the patient's oxygen  
23 saturation level fell below a certain  
24 level during the study?

1 -LEE J. BROOKS, M.D.-

2 A. I don't recall.

3 Q. In February of '96, was there  
4 protocol which required that treatment be  
5 initiated if a patient's oxygen  
6 saturations fell below a certain level  
7 during a sleep study?

8 A. I do not believe so.

9 Q. Did you *or* to your knowledge  
10 anyone else in the lab ever utilize  
11 emergency CPAP during the course of a  
12 sleep study on an adult?

13 A. Never did.

14 Q. To your knowledge, did anyone  
15 else?

16 A. Not to my knowledge.

17 Q. Now, Patricia Smith's sleep  
18 study, I believe, was completed on  
19 February 7th of '96, is that correct?

20 A. I don't remember actually  
21 completing this.

22 Q. Let me provide you with  
23 another exhibit just so we have something  
24 in front of you while we're talking. This

1 -LEE J. BROOKS, M.D.-

2 is marked as Plaintiff's Exhibit Number 5,  
3 and it's a copy of the final report on the  
4 overnight polysomnogram.

5 And if you could take a look  
6 at that exhibit and tell me if that is  
7 indeed the final report that was generated  
8 on Patricia Smith?

9 A. It happens to be.

10 Q. And from that report, does it  
11 appear that her sleep study was completed  
12 on, I believe the date on this is February  
13 6th? I'm not sure whether that was the  
14 beginning of the study or the end of the  
15 study.

16 A. That would have been the  
17 beginning. She would have left the lab on  
18 the morning of the 7th.

19 Q. Okay. Based on what you see  
20 in that final report then, her study was  
21 completed on February 7th of '96, correct?

22 A. Yes.

23 Q. How long did it take after her  
24 study was completed to generate this

1 -LEE J. BROOKS, M.D.-

2 report?

3 A. I don't recall.

4 Q. What was the usual time frame  
5 to provide a final report after a sleep  
6 study?

7 MS. CUTHBERTSON:

8 Cuthbertson. Note an objection.

9 MR. TORGERSON: Note an  
10 objection.

11 A. Yes, as I said earlier, it  
12 could take days to weeks.

13 Q. How many times, how many  
14 weeks --

15 A. I don't know.

16 Q. -- to complete a sleep study?

17 A. I don't know.

18 Q. Why would it take weeks to  
19 produce a final report?

20 MR. TORGERSON: Objection,  
21 Asked and answered. Go ahead,

22 MS. CUTHBERTSON: Objection.  
23 Cuthbertson.

24 MR. O'DONNELL: This is Jack

1 - LEE J. BROOKS, M.D.-

2 O'Donnell. I'll join in that objection.

3 Thank you.

4 A. If the technicians had gotten  
5 backed up on their scoring, for example,  
6 if they were short of people to score, if  
7 the study were particularly difficult, all  
8 of those might delay it.

9 a. Okay. Now, Doctor, after Pat  
10 Smith completed her report, I believe you  
11 did a letter to Dr. Rowane. And I'm going  
12 to hand you what's been marked as  
13 Plaintiff's Exhibit Number 4, and just let  
14 counsel take a look at it.

15 MS. CUTKBERTSON: Jeanne,  
16 while everybody is looking, how long do  
17 you think you're going to go today?

18 MS. TOSTI: I've got maybe  
19 about another 20 minutes here.

20 MS. CUTHBERTSON: Can I just  
21 ask other counsel how long you all think  
22 you're going to go or if any of you guys  
23 have any questions?

24 MS. PETRELLO: This is

1 - LEE J. BROOKS, M.D.-

2 Petrello. I might have a few questions.

3 MR. O'DONNELL: This is Jack  
4 O'Donnell in Cleveland. Very minimum.

5 MS. CUTHBERTSON:  
6 Cuthbertson. I may have to take a break  
7 in 15 minutes or so for about five minutes  
8 if nobody has a problem with that.

9 MS. PETRELLO: It's fine with  
10 me. I could use a little break.

11 THE WITNESS: We might need a  
12 break.

13 BY MS. TOSTI:

14 Q. Okay, Doctor, I've handed you  
15 Plaintiff's Exhibit Number 4. And if you  
16 can just identify that document for us?

17 A. This is a form letter that we  
18 sent out the morning after the  
19 polysomnogram.

20 Q. And that is a letter that you  
21 wrote to Dr. Rowane, is that correct?

22 a. Yes.

23 Q. And that's your signature on  
24 that letter, correct?



1 -LEE J. BROOKS, M.D.-

2 A. That was the secretary signing  
3 for me.

4 Q. Okay. Is that a preliminary  
5 report of the polysomnogram?

6 A. Yes.

7 Q. Now, was there a preliminary  
8 review done of Patricia Smith's  
9 polysomnogram?

10 A. Yes.

11 Q. And were you the one that did.  
12 that preliminary review?

13 A. Yes.

14 Q. Okay. What data did you  
15 review?

16 A. I briefly looked over the raw  
17 data on the polysomnogram.

18 Q. And is it routine for you --  
19 was that a routine thing to do, to give a  
20 preliminary report on the polysomnogram,  
21 was that usually done?

22 A. Yes, yes.

23 Q. And that particular report,  
24 who would that be provided to?

1                   -LEE J. BROOKS, M.D.-

2                   A.       It would be provided to the  
3                   referring physician.

4                   a.       Okay. And in this case, who  
5                   did you send that report to?

6                   A.       It's addressed to Dr. Rowane,  
7                   so I presume it was sent to him.

8                   Q.       Okay. Now, on the final  
9                   report, which is Plaintiff's Exhibit  
10                  Wumber 5, X believe at the top of the page  
11                  it has referred by Dr. Rowane and Dr.  
12                  Collins. Would this have been sent to Dr.  
13                  Collins also?

14                  A.       Since his name is on there, I  
15                  would assume that it was sent to him, yes.

16                  Q.       Would that be the normal  
17                  standard practice to send it to the two  
18                  physicians that would be listed on the  
19                  final report?

20                  A.       Yes.

21                  a.       Now, in the final -- in the  
22                  preliminary report, you indicate that this  
23                  was a brief preliminary review subject to  
24                  revision. And you indicate that the

-LEE J. BROOKS, M.D.-

patient showed severe obstructive sleep apnea, correct?

A. That's right.

Q. Okay. What led you in the preliminary review to say that Patricia Smith had severe obstructive sleep apnea?

A. I don't recall now specifically what I saw.

Q. And so at this time you can't tell me what you based your preliminary review on?

A. Not on this specific instance.

Q. Okay. Did you speak to Dr. Rowane or Dr. Collins in addition to sending this letter, did you give a preliminary report verbally to Dr. Rowane or Dr. Collins?

A. Not that I recall.

Q. Okay. Now, you indicate here that this was a brief preliminary review. Did you anticipate that the final report would show anything different?

MR. TORGERSON: Objection, but

1 -LEE J. BROOKS, M.D.-

2 you can answer.

3 A. Grossly not.

4 Q. What type of things would  
5 change from a preliminary review to a  
6 final report?

7 MR. TORGERSON: Well, I'll  
8 note an objection. If you can answer  
9 that, go ahead.

10 A. The preliminary review just  
11 takes a few minutes. I'd look at it and  
12 say there are a lot of apneas here, and  
13 call it severe. There are no apneas here,  
14 call it normal. There's a couple of  
15 apneas here, and it would be they get an  
16 indeterminate type of letter.

17 a. Okay. At the time that you  
18 would do these preliminary reports, had  
19 the raw data been already tabulated by a  
20 technician?

21 A. No.

22 a. So this would be before the  
23 technician had physically gone through  
24 every page of the polysomnogram?

1 -LEE J. BROOKS, M.D.-

2 A. Exactly.

3 Q. And it would be spot-checking  
4 or just doing a brief review in order to  
5 get the preliminary report?

6 A. That's right.

7 Q. Okay. Doctor, are you aware  
8 of any consultation or evaluation or care  
9 that Dr. Rosenberg may have given to  
10 Patricia Smith?

11 A. I'm not aware of any.

12 Q. Okay, did you ever have any  
13 contact with Dr. Rosenberg in regard to  
14 Patricia Smith?

15 A. No, not that I recall.

16 Q. Would the final copy of the  
17 sleep study report be sent out to the  
18 patient after the sleep study report was  
19 complete?

20 A. No.

21 Q. Would that generally go to the  
22 attending physician or the physician that  
23 ordered the test?

24 A. Yes.

1 -LEE J. BROOKS, M.D.-

2 Q. In Patricia Smith's case the  
3 final report indicated that she did have  
4 severe obstructive sleep apnea, is that  
5 correct?

6 A. That's correct.

7 Q. And was CPAP the likely  
8 treatment option for Patricia Smith's  
9 obstructive sleep apnea?

10 MS. CUTHBERTSON: Objection.  
11 Cuthbertson.

12 MS. O'DONNELL: I'm going to  
13 join in that objection. This is Jack  
14 O'Donnell in Cleveland.

15 MS. PETRELLO: So is Petrello.

16 A. Not having seen the patient, I  
17 can't prescribe treatment.

18 Q. Now, Doctor, in regard to  
19 Patricia Smith, you never evaluated her,  
20 is that correct?

21 A. That's correct.

22 Q. Okay. Were you aware at the  
23 time that you were evaluating her  
24 polysomnogram of any of the clinical

1 - LEE J. BROOKS, M.D. -

2 information available on Patricia Smith?

3 A. I don't recall any clinical  
4 information.

5 Q. Okay. So your evaluation was  
6 strictly on the results of the  
7 polysomnogram, was that correct?

8 A. That's correct.

9 Q. You said no information as to  
10 her history or physical that you recall?

11 A. None that I recall.

12 Q. Is that typical to evaluate a  
13 polysomnsgram without having the history  
14 or the physical information along with it?

15 MR. TORGERSON: Objection, but  
16 you can answer.

17 A. That was often the case.

18 Q. Okay. Now, Doctor, when a  
19 patient is being evaluated for obstructive  
20 sleep apnea, isn't the physical and the  
21 history also an important component as  
22 well as the polysomnogram?

23 MR. TQRGERSON: Objection.

24 But you may answer,

- LEE J. BROOKS, M.D. -

A. The history and the physical help you decide does this patient have a likelihood of sleep apnea, and therefore, requires a study. And the history and the physical and perhaps other labs help you decide what treatment would be best once you've gotten the results of the polysomnogram.

Q. So the polysomnogram is actually the definitive test that tells you whether or not the patient has the sleep apnea, isn't that correct?

A. Yes.

Q. Did you at any time make recommendations regarding sleep for Patricia Smith's severe obstructive sleep apnea?

A. No.

Q. When you are only evaluating the polysomnogram and not evaluating the total patient, was that typical just to provide the evaluation of the report and not make recommendations?



1                   -LEE J. BROOKS, M.D.-

2                   MR. TORGERSON: Objection.

3                   You may answer.

4                   A.        Yes, I can't make  
5                   recommendations on patients I haven't  
6                   seen.

7                   Q.        Once the final report was  
8                   produced, did you have any conversations  
9                   with Dr. Rowane or Dr. Collins or any  
10                  other treating physician in regard to  
11                  Patricia Smith's sleep apnea?

12                  A.        Not that I recall.

- 4  
13                  Q.        And so the only contact that  
14                  you had with Patricia Smith then was in  
15                  evaluating her polysomnogram. Did you  
16                  ever meet with her, ever speak with her?

17                  A.        I don't believe so.

18                  Q.        Do you know if anyone in the  
19                  sleep center ever discussed the findings  
20                  of her polysomnogram with her?

21                  A.        I don't know.

22                  &        Were there any procedures in  
23                  which patients would be contacted about  
24                  the results?

1 - LEE J. BROOKS, M.D.-

2 MS. CUTHBERTSON: From the  
3 sleep center?

4 MS. TOSTI: Yes.

5 A. The sleep lab would never  
6 contact the patient directly about the  
7 results. If I had seen a patient in the  
8 clinic and it was my patient, then of  
9 course, I would discuss the results with  
10 them.

11 Q. And I'm speaking aside from  
12 what you would normally do if you were  
13 doing the total evaluation, was there any  
14 procedures in once the test was done,  
15 information would be disseminated back to  
16 the patient in regard to the test?

17 A. No, it all went back to the  
18 referring physicians.

19 Q. When treatment is ordered,  
20 if -- strike that.

21 If you had not done the  
22 evaluation and treatment is to be ordered,  
23 it's done by the attending physician,  
24 would they send a request to the sleep lab

1 -LEE J. BROOKS, M.D.-

2 for CPAP titration,

3 MR. TORGERSOFJ: Now, let me  
4 interpose an objection. Are you asking  
5 him if there is **some** specified method,  
6 some protocol? Are you asking him?

7 MS. TOSTI: Let me clarify my  
8 question.

9 BY MS. TOSTI:

10 Q. Doctor, if you have not done  
11 the evaluation on the patient and a  
12 physician wants to request titration with  
13 CPAP for therapy, how would they go about  
14 doing that?

15 A. The same way they went about  
16 requesting the test in the first place, by  
17 contacting the lab and scheduling the  
18 titration.

19 Q. Doctor, do you have an opinion  
20 whether Patricia Smith should have  
21 received treatment with CPAP for your  
22 severe obstructive sleep apnea?

23 MR. TORGERSOM: Objection. If  
24 you are able to answer that, you can.

1 -LEE J. BROOKS, M.D.-

2 A. That was a Bwo-part question.

3 MR. TORGERSON: Why don't you  
4 read the question back.

5 (The record is read back as  
6 requested.)

7 A. Without having examined the  
8 patient, I can't determine whether I would  
9 have treated her with CPAP.

10 Q. Okay. Doctor, do you have an  
11 opinion as to whether Patricia Smith  
12 should have received treatment for her  
13 severe obstructive sleep apnea?

14 MR. TORGERSON: Same  
15 objection, but you can answer.

16 MS. CUTHBERTSON: Objection.  
17 Cuthbertson.

18 MS. O'DONNELL: Also here Jack  
19 O'Donnell. Objection.

20 MS. PETRELLO: Petrello.  
21 Same.

22 A. I think most people would  
23 treat this level of sleep apnea in some  
24 way.

1 -LEE J. BROOKS, M.D.-

2 Q. Doctor, do you know if anyone  
3 else in the sleep center did an evaluation  
4 of Patricia Smith which included history  
5 and physical prior to the time that the  
6 polysomnogram was done?

7 A. I don't know.

8 Q. I'm editing questions here, so  
9 I just need a minute.

10 Doctor, would you agree that  
11 for a normal forty-two year old woman, the  
12 lowest oxygen saturations during sleep  
13 would be in the low 90 range.

14 MS. CUTHBERTSON: Objection.

15 Cuthbertson.

16 MS. PETRELLO: Petrello.

17 Objection.

18 MR. O'DONMELL: This is Jack  
19 O'Donnell. I would like to also lodge an  
20 objection. Thank you.

21 THE WITNESS: May I answer?

22 MR. TORGERSOM: I'm going to  
23 object, but if you can agree with that.

24 THE WITNESS: Can I disagree?

1                   -LEE J. BROOKS, M.D.-

2                   MR. TORGERSON: Yeah.

3                   A. I disagree.

4                   Id. Doctor, you participated in a  
5 study, I believe, called Normal  
6 Oxyhemoglobin Saturation During Sleep, is  
7 that correct?

8                   A. That's correct.

9                   Q. It was published in Chest  
10 Journal?

11                  A. Yes.

12                  Q. And what were your findings in  
13 regard to women in the forty age bracket  
14 in regard to lowest oxyhemoglobin  
15 saturation levels during sleep?

16                  A. To the best of my  
17 recollection, the mean lowest saturation  
18 was about 90 percent, but the standard  
19 deviation was two or three percent. And  
20 if you take normal as being within two  
21 standard deviations, that means that a  
22 normal person would have an occasional  
23 desaturation to the 80's.

24                  Q. Then someplace in the 80's was

1 -LEE J. BROOKS, M.D.-

2 probably the lowest level --

3 A. Yes.

4 Q. -- for a normal female?

5 A. Yes.

6 Q. Now, Patricia Smith's  
7 saturation levels fell as low as 60  
8 percent during sleep, is that correct?

9 A. That's correct.

10 a. Is a level of 60 percent cause  
11 for concern in a patient?

12 MS. CUTHBERTSON: I'll note an  
13 objection.

14 MR. O'DONNELL: This is Jack  
15 O'Donnell in Cleveland. Objection.

16 MS. PETRELEO: This is  
17 Petrello. Note an objection.

18 MS. CUTHBERTSON:  
19 Cuthbertson. Make sure you note an  
20 objection for Colleen. And note my  
21 objection for Cuthbertson.

22 MR. TORGERSON: Could you read  
23 back that question?

24 (The record is read back as

1 - LEE J. BROOKS, M.D.-

2 requested.)

3 A. I've seen oxyhemoglobin levels  
4 much, much lower.

5 Q. In Patricia. Smith's case, was  
6 an oxyhemoglobin desaturation of 60  
7 percent a cause for concern?

8 MR. TORGERSON: Objection. If  
9 you know enough to answer that question.

10 MS. PETRELLO: Objection.  
11 Petrello.

12 MR. O'DONNELL: Jack  
13 O'Donnell. Objection.

14 A. That's one of the factors that  
15 had us call it severe. That by itself  
16 doesn't cause concern. If you look at the  
17 graph, her saturation was greater than 90  
18 percent for what looks to be over 90  
19 percent of the time. So this suggests  
20 that there were rare desaturations that  
21 low. Perhaps only one.

22 a. Was it cause for concern?

23 MR. TORGERSON: Same  
24 objection.



1 -LEE J. BROOKS, M.D.-

2 MS. O'DONNELL: Objection.

3 Sack O'Donnell.

4 MS. PETRELLO: Petrello, Same  
5 objection.

6 A. Not undue concern.

7 Q. Do you know what time of night  
8 she had the 613 percent desaturation?

9 A. I don't know.

10 Q. Do you know if she had any  
11 levels below 75 percent during the first  
12 half of the night?

13 a. I don't know.

14 Q. Do you know if a physician was  
15 notified when she reached the 60 percent  
16 oxyhemoglobin reading?

17 A. I don't recall.

18 Q. Should a physician have been  
19 notified?

20 A. No, not for that alone.

21 Q. Okay. Were there any  
22 procedures that a technician was supposed  
23 to follow if a patient's oxyhemoglobin  
24 went down to 60 percent during the night?

1 -LEE J. BROOKS, M.D.-

2 MR. TORGERSQN: And I'm going  
3 to object. I think that's been covered  
4 before.

5 MS. CUTWBERTSON: I'm going to  
6 object. Cuthbertson. Objection.

7 MS. PETRELLO: Petrello. The  
8 same.

9 A. There were not specific  
10 requirements that I recall. The  
11 technicians always had the option of  
12 calling us in time that they had concern.  
13 A brief desaturation to 60 percent in  
14 isolation probably did not cause them  
15 undue concern.

16 Q. Doctor, would you agree that  
17 **low** oxygen saturations can lower the  
18 threshold for seizures?

19 MS. CUTHBERTSOM: Objection.

20 MS. PETRELLO: Petrello.  
21 Objection.

22 MR. O'DONNELL: O'Donnell.  
23 Objection.

24 A. I don't know.

1                   -LEE J. BROOKS, M.D.-

2                   MS. CUTHBERTSON: I'm sorry,  
3                   what was your answer?

4                   THE WITNESS: I don't know of  
5                   any. I don't know about that, no.

6                   BY MS. TOSTI:

7                   Q.       When you were evaluating the  
8                   raw data on this case, were you aware that  
9                   one of the concerns was that she was  
10                  having seizures due to oxyhemoglobin  
11                  desaturation during sleep?

12                  MS. CUTHBERTSON: Objection.

13                  MS. PETRELLO: Petrello.  
14                  Objection.

15                  MR. O'DONNELL: O'Donnell.  
16                  Objection.

17                  MR. TORGERSON: I simply want  
18                  to hear the question back as to what the  
19                  predicate for the question was.

20                  We are going to take a  
21                  five-minute recess.

22                  (Recess at 5:40 p.m.)

23                  (Resumed at 5:45 p.m.)

24                  (The record is read back as

1 -LEE J. BROOKS, M.D.-

2 requested.)

3 MS. PETRELLO: Petrello. And  
4 I raised an objection, if that's not  
5 noted.

6 A. I don't recall.

7 Q. Doctor, you have in front of  
8 you a referral form from the Family  
9 Practice Center that's marked as Exhibit  
10 Number 3. Would that particular referral  
11 normally be available to you as a  
12 physician if it was in the records while  
13 you were doing a polysomnogram evaluation?

14 MR. TQGERSON: Note an  
15 objection.

16 A. Probably not.

17 Q. Okay. When you were doing a  
18 polysomnogram evaluation and not doing a  
19 total evaluation on the patient, would you  
20 have any materials available to you on the  
21 patient?

22 A. Likely there would be whatever  
23 intake the secretary took down on  
24 scheduling the study.

1 -LEE J. BROOKS, M.D.-

2 Q. Okay. Would there normally be  
3 anything in regard to records that the  
4 physicians would send over as far as  
5 information or that would be made  
6 available to you if you were doing the  
7 polysomnogram evaluation?

8 MR. TORGERSQN: Well, note an  
9 objection, but go ahead.

10 A, If they had sent it over, it  
11 might have been made available to me.

12 Q. Okay. Now, Doctor, in the  
13 records that were produced by the sleep  
14 center there was some clinical information  
15 from Dr. Collins and Dr. Rowane in the  
16 file?

17 MS. PETRELLO: Petrello.  
18 Objection.

19 BY MS. TOSTI:

20 Q. Now, if those were the sleep  
21 center's records, would that information  
22 normally be available to the physician  
23 that was reviewing the polysomnogram?

24 MR. TORGERSQN: Well, wait a

1                   -LEE J. BROOKS, M.D.-

2           minute, note an objection. What are you  
3           referring to as clinical information that  
4           you believed was in the file that was sent  
5           over in the sleep center materials?

6                   MS. TOSTI: Materials that  
7           were produced by University Hospital from  
8           the sleep center included an evaluation by  
9           Dr. Collins and a page of the records from  
10          Dr. Rowane. And those were in the  
11          University Sleep Center records that were  
12          produced in a Request for Production of  
13          the Documents.

14                   MR. TORGERSON: Dr. Collins'  
15          November 16th, 1995 multi-page report, you  
16          are representing was sent to the sleep  
17          center?

18                   MS. TOSTI: Yes.

19                   MR. TORGERSON: Well, all you  
20          can represent is that those documents were  
21          produced by University Hospital in  
22          response to one of the Requests for  
23          Production of Documents that you earlier  
24          sent in.

1 - LEE J. BROOKS, M.D.-

2 BY MS. TOSTI:

3 Q. Right, and what I'm asking, if  
4 they were in the records in the sleep  
5 center, would those records normally be  
6 given to you as a physician reading the  
7 polysomnogram?

8 MR. TORGERSON: Which I made  
9 my objection. Go ahead and answer.

10 MS. CUTHBERTSON: I'm going to  
E1 object too. Cuthbertson.

12 MS. PETRELLO: Petrello, too.

13 A. Again, do you mean lab or  
14 center?

15 Q. Well, Doctor, you've told me  
16 that in Patricia Smith's case you only  
17 read the polysomnogram?

18 A. Correct.

19 Q. And that you never evaluated  
20 her in the center. And so my question is  
21 as a physician only evaluating the  
22 polysomnogram, would you be provided with  
23 whatever records were available in the  
24 sleep center on that patient when you were

1 -LEE J. BROOKS, M.D.-

2 interpreting the polysomnogram?

3 MR. TORGERSON: Note my

4 objection.

5 A. If a patient were seen, for  
6 example, by Dr. Rosenberg in his sleep  
7 center, those records might not have been  
8 made available to the laboratory.  
9 Whatever was available to the laboratory  
10 at that time should have been available to  
11 me, but that's not necessarily everything  
12 that's available to the center.

13 a. Okay. Now --

14 A. If you follow the distinction.

15 a. Now, you know who Dr.  
16 Rosenberg is?

17 A. Yes.

18 a. Did Dr. Rosenberg have any  
19 duties or responsibilities at the sleep  
20 center that you're aware of?

21 A. Dr. Rosenberg and I alternated  
22 months in interpreting sleep studies.

23 Q. Okay. Now, did Dr. Rosenberg  
24 have a practice similar to yours where he



1 - LEE J. BROOKS, M.D. -

2 saw patients and did evaluations and then  
3 also sometimes interpreted polysomnograms?

4 A. I believe he did.

5 a. Did he have any other duties  
6 or responsibilities in the sleep center  
7 that were different from yours?

8 A. Not that I can recall.

9 Q. And you've told me that you  
10 are not aware of any evaluation that Dr.  
11 Rosenberg did of Patricia Smith, is that  
12 correct?

13 A. I'm not aware of any  
14 evaluation anyone did.

15 Q. Okay. In February of '96 did  
16 you have the capability to do portable  
17 sleep studies in a patient's home?

18 A. No.

19 Q. If you were evaluating a  
20 patient and had determined from a  
21 polysomnogram that the patient had severe  
22 obstructive sleep apnea, how long would it  
23 be before you would be able to get a  
24 patient in to do CPAP titration?

1 -LEE J. BROOKS, M.D.-

2 MR. TORGERSON: Note an  
3 objection.

4 MS. CUTHBERTSON: Note an  
5 objection. Cuthbertson.

6 MS. PETRELLO: Petrello.  
7 Objection.

8 BY MS. TOSTI:

9 Q. And I'm speaking in '96,  
10 February.

11 A. I don't recall what the wait  
12 was to get into the lab at that time.

13 Q. Was it a few days, weeks?

14 A. I honestly don't remember at  
15 all.

16 Q. When you were evaluating  
17 Patricia Smith's polysomnogram, did you  
18 review all of the cardiac ECG strips that  
19 were done?

20 A. All 1,000 pages?

21 Q. Sees.

22 A. I did not personally review  
23 all 1,000 pages.

24 Q. Was there a technician who

1                   -LEE J. BROOKS, M.D.-

2           would normally review that and give a  
3           report to you?

4                   A.       That's right.

5                   Q.       And during the polysomnogram,  
6           was it reported to you that she had any  
7           arrhythmias during sleep?

8                   A.       It was not.

9                   Q.       Do you recall doing any  
10          spot-checking in the actual raw data to  
11          see if she had any arrhythmias?

12                  A.       I don't recall this specific  
13          instance, but it is my practice to do so.

14                  Q.       Now, Doctor, on the final  
15          polysomnogram report there is some  
16          initials, I believe, of a technologist  
17          that are listed there, correct?

18                  A.       Yes.

19                  Q.       Okay.   The initials are WL.  
20          Do you know whose name those initials  
21          stand for?

22                  A.       Yes.

23                  Q.       What is the name?

24                  A.       William Ladanyi.

1 -LEE J. BROOKS, M.D.-

2 Q. Would you say that last name?

3 A. Ladanyi, L-a-d-a-n-y-i.

4 Q. Was William Ladanyi a  
5 certified technologist?

4 A. I don't recall if he was  
7 certified at this time.

8 Q. Now, you had mentioned that  
9 there was a physician that was a  
10 technologist. Was he a physician?

11 A. No.

12 Q. And would he have been the  
13 person that tabulated the data on Patricia  
14 Smith's polysomnogram?

15 MR. TORGERSON: Objection, but  
16 if you know.

17 A. Not necessarily.

18 Q. Okay. He would have been the  
19 physician that was present during the  
20 test?

21 A. The technician, yes.

22 Q. Okay, Would there be another  
23 person that would have had responsibility  
24 for reviewing the raw data?

1 - LEE J. BROOKS, M.D. -

2 A. It might have been any of the  
3 technicians in the lab at that time.

4 a. Not necessarily William  
5 though?

6 A. Correct.

7 Q. Would we have any way of  
8 knowing **who** did that?

9 A. I don't know.

10 a. Now, what does normal sleep  
11 architecture mean, what does that term  
12 mean?

13 A. That means I look at the  
14 different stages of sleep and if they had  
15 a normal amount of the different stages,  
16 then that would be normal sleep  
17 architecture.

18 Q. What is the normal percentage  
19 for Stage 1?

20 A. Stage I is usually just a few  
21 percent.

22 Q. What's the normal range?

23 A. I would say less than 10  
24 percent.

1 - LEE J. BROOKS, M.D. -

2 Q. What about Stage 2?

3 a. Stage 2 is usually about 50  
4 percent.

5 Q. And Stage 3?

6 A. Stage 3 and 4 usually combine  
7 for about a quarter.

8 Q. Okay. And in Patricia Smith's  
9 case, would the percentages that she has  
10 listed on this final report, did those  
11 conform to normal sleep architecture?

12 a. Yes.

13 Q. What does the term "partial  
14 obstruction" mean?

15 A. That's where there is a  
16 decreased amounts of airflow, but there is  
17 still some airflow present. It's  
18 generally not as severe as a full  
19 obstruction.

20 Q. Is that different from a  
21 hypopnea?

22 A. Yes, a hypopnea you could  
23 think of as shallow breathing.

24 Q. And are partial obstructions

1 - LEE J. BROOKS, M.D. -

2 included in the respiratory disturbance  
3 index?

4 A. Yes.

5 Q. And in calculating the  
6 respiratory disturbance index, how do you  
7 come up with that number?

8 A. That's the total number of  
9 respiratory events, hypopnea, total  
10 obstructions and obstructions and  
11 non-obstructions per hour of sleep,

12 a. So you would take all of those  
13 together and divide it by the total number  
14 of hours of sleep and come up with the  
15 index?

16 A. That's right.

17 Q. And in Patricia Smith's case,  
18 she had an average of 45.6 of these events  
19 every hour?

20 A. That's right.

21 Q. Did she have any seizure  
22 activity during the polysomnogram?

23 A. No.

24 Q. Doctor, when did you learn of

- LEE J. BROOKS, M.D. -

Patricia Smith's death?,

Let me make it easier. Did you learn of her death before this case was filed?

A. No.

Q. So sometime after it was filed you learned of her death?

A. Yes.

Q. And I have a series of questions to ask you. And if your answer is no or you have no opinion, that's fine, but just tell me that.

Did you ever speak to any of the family members after her death?

A. No.

Q. And Doctor, are you aware that Patricia Smith died in her sleep?

A. I was not aware of that until you just told me.

a. Do you have an opinion as to whether obstructive sleep apnea contributed in any way to Patricia Smith's death?



1 - LEE J. BROOKS, M.D.-

2 MS. CUTHBERTSON: Objection.

3 Cuthbertson.

4 MS. PETRELLO: Petrello.

5 Same.

6 MR. O'DONNELL: And O'Donnell.

7 MR. TORGERSON: Note an

8 objection.

9 A. No, I don't have an opinion  
10 based on the facts before me.

11 Q. Do you have an opinion as to  
12 what likely caused her death?

13 MR. TORGERSON: Same

14 objection.

15 MS. CUTHBERTSON: Objection.

16 MS. PETRELLO: Petrello. Same  
17 thing.

18 MR. O'DONNELL: I'll make that  
19 unanimous. Objection. O'Donnell.

20 A. Same answer.

21 MS. CUTHBERTSON: Dr. Brooks,  
22 this is Patty Cuthbertson, and that's my  
23 daughter in the background.

24 THE WITNESS: I'm a

- LEE J. BROOKS, M.D. -

pediatrician. I don't mind babies.

BY MS. TOSTI:

Q. Do you have an opinion as to whether Patricia Smith received appropriate follow-up for severe obstructive sleep apnea?

MR. TORGERSON: Objection.

MS. PETRELLO: Objection.

Petrello.

MS. CUTHBERTSON: Same

objection. Cuthbertson.

MR. O'DONNELL: I'm going in that.

A. No, I have no opinion.

Q. Do you have an opinion as to whether her death was preventable?

MR. TORGERSON: Objection.

MS. PETRELLO: Objection.

Petrello.

MS. CUTHBERTSON: Same

objection, Cuthbertson.

A. No, I have no opinion based on the information before me.

1 -LEE J. BROOKS, M.D.-

2 Q. And are you critical of the  
3 care rendered to Patricia Smith by any  
4 health care person?

5 MR. TORGERSOM: Same  
6 objection.

7 MS. PETRELLO: Objection.  
8 Petrello.

9 A. No, I'm not.

10 MS. TOSTI: Okay. I don't  
11 have any more questions. So if any of  
12 defense counsel want to ask some  
13 questions, go ahead and take over.

14 EXAMINATION

15 BY MS. PETRELLO:

16 Q. Well, this is Petrello. I  
17 have some questions.

18 Doctor, I got off of the  
19 speaker phone, so hopefully you can hear  
20 me a little better. So if you're having  
21 any difficulty hearing me, I would  
22 appreciate if you would tell me,

23 Earlier on I told you I'm the  
24 attorney representing Dr. Collins and Dr.

1 - LEE J. BROOKS, M.D.-

2 Hlavin in the lawsuit.

3 First of all, did you know Dr.  
4 Collins?

5 A. I don't recall meeting him.

6 Q. Okay. Were you aware that his  
7 specialty was epilepsy, the treatment of  
8 epilepsy?

9 A. I knew he was a neurologist.  
10 I did not know of any subspecialty.

11 Q. Okay, In a sleep study when  
12 desaturation levels go down, and in this  
13 case as low as 60 percent, how long does  
14 that occur for? I mean is that seconds  
15 or --

16 A. The 60 percent on the study is  
17 the single lowest point that the  
18 oxyhemoglobin saturation dropped to. So  
19 that would have been likely just a second.

20 Q. Is it, do I understand you  
21 correctly, you're saying one second? I  
22 just want to make sure I understood your  
23 answer.

24 A. Yes, yes.

1 -LEE J. BROOKS, M.D.-

2 Q. So it's one second?

3 A. A very short period of time.  
4 That's the lowest that it dropped to, and  
5 it's unlikely that it stayed at that  
6 particular spot for a long period of time.

7 Q. Okay. Are you aware of  
8 seizures being associated with sleep  
9 apnea?

10 A. No, I'm not.

11 Q. You testified in reference to  
12 the final polysomnogram report that a  
13 report was sent to Dr. Collins. My  
14 question to you is you don't know, in  
15 fact, if a report was actually sent to  
16 him, do you?

17 a. All I know is that the report  
18 was given to the sleep lab secretary who  
19 is supposed to send copies to all of the  
20 physicians listed on the line.

21 Q. Okay. And if Dr. Collins has  
22 testified that he never received this  
23 report, and in fact, it's not in his  
24 record, you would have no reason to

1                   - LEE J. BROOKS, M.D.-

2           disagree with his testimony, would you?

3                   a.       No, I wouldn't.

4                   Q.       And on the report, again, the  
5           final report, at the very bottom where it  
6           says summary, it says, Normal sleep  
7           architecture. And if you skip the second  
8           part then it says, No dysrhythmias note.

9                   And I take that to mean that  
10          you testified earlier that there were no  
11          arrhythmias, is that correct?

12                   A.       That's correct.

13                   Q.       So then the finding that's in  
14          the middle where it says that the patient  
15          has frequent respiratory events, I'm not  
16          going to read that whole thing, where it  
17          says the levels went as low as 50 percent,  
18          is that what you mean when you said a  
19          level of desaturation on the oxyhemoglobin  
20          level in isolation?

21                   A.       Could you repeat the question?

22                   a.       Okay. You had earlier  
23          testified, I believe, if I'm understanding  
24          your testimony correctly, that an

-LEE J. BROOKS, M.D.-

oxyhemoglobin desaturation level that dropped as low as 60 percent in isolation would not be of great concern to you, is that correct? Did I get that correct?

A. Essentially.

Q. Okay. And so my question to you is, when you have the summary, that middle section where it talks about the oxyhemoglobin levels, that seems to be the only abnormal finding, is that what you mean when you say it's in isolation because the normal sleep architecture was normal and she had no arrhythmias?

A. No, the abnormal findings in this case were the desaturations as well as a number of respiratory events.

Q. Okay. So it's both?

A. Yes.

A. Okay. I'm sort of jumping around here. I know we went over this, but I just want to make sure I'm correct when you said you were Director of the Polysomnogram Lab that was at RB & C as

1                   -LEE J. BROOKS, M.D.-

2           opposed to UH. I know that RB & C was  
3           part of UH, but it was just for RB & C?

4           A.       At that time it was true.

5           Q.       And that was of the pediatric  
6           polysomnogram lab, correct?

7           A        Yes.

8                   MS. PETRELLO:   That's it.   No  
9           other questions for ne.

10           EXAMINATION

11           BY MS. CUTHBERTSON:

12                   a.       Doctor, this is Fatty  
13           Cuthbertson. I have a couple of  
14           questions. I represent University  
15           Hospitals.

16                   Regarding that final report  
17           that Colleen was just asking you about,  
18           and we were talking about the RDI, et  
19           cetera, one of the phrases used is  
20           "resulting in arousal and oxyhemoglobin  
21           desaturation," is she waking up or kind of  
22           waking up?

23           A.       Yes, that's right.

24           a.       Bid that happen every time



1 -LEE J. BROOKS, M.D.-

2 basically or would you maybe need to look  
3 at those data?

4 A. Well, I have the report in  
5 front of me. And there were 350  
6 arousals. And it looks like about 350  
7 events. So it's likely that there was an  
8 arousal or so associated with most, if not  
9 all of the events.

10 Q. Okay. You talked a little  
11 about some protocols and some things that  
12 were in effect back in February of 1996.  
13 Is it possible that protocols you were  
14 talking about in terms of when to  
15 institute CPAP or that it could be  
16 instituted by post date February of '96?

17 A. That's possible.

18 Q. Okay. Let me ask you another  
19 question. If the technician in this case,  
20 let's just assume those protocols you were  
21 talking about were in effect and now it's  
22 possible that they were actually post date  
23 February '96 and some of those parameters  
24 you actually gave, say the RDI in excess

1                   -LEE J. BROOKS, M.D.-

2       of 30, you wouldn't criticize the  
3       technician if no **CPAP** had been ordered and  
4       none was used during a sleep study, would?

5           A.       Never.

6           Q.       And in fact, you don't have  
7       any criticisms of any of the technicians  
8       in this case, am I right?

9           A.       No, I don't, that's right.

10          Q.       And ultimately in terms of  
11       interpreting the sleep studies while the  
12       physicians may assist in the sleep study  
13       itself and do compilations and review of  
14       the data, ultimately you spend at least 30  
15       minutes looking at the raw data, maybe up  
16       to an hour looking at the raw data itself  
17       in conjunction with some of the things  
18       that the technicians may point out?

19          A.       Yes, that's right.

20          Q.       And ultimately, you make the  
21       diagnosis, not the technician, that's a  
22       medical decision, right?

23          A.       Right.

24          Q.       And outside of the scope of

1 - LEE J. BROOKS, M.D.-

2 the licensure or anything aside from the  
3 technician?

4 A. Right. We rely on the  
5 technicians who are observing the patient  
6 all night and going over each page to call  
7 our attention to anything important, but  
8 we also do our own review in addition to  
9 what they deem important.

10 Q. Okay. I'm going through my  
11 notes really quickly too, and I believe  
12 that's about all I wanted to ask.

13 And one last thing, I wanted  
14 to make sure you were not involved in  
15 doing the policies or protocols for the  
16 polysomnogram lab or for the sleep study,  
17 that was outside of your area of  
18 responsibility?

19 A. That's correct,

20 MS. CUTHBERTSON: Okay, good.  
21 Thanks a lot, Doctor.

22 THE WITNESS: You're welcome.

23 MS. TOSTI: I have a couple  
24 follow-up, but do we have anybody else?

1 -LEE J. BROOKS, M.D.-

2 MS. CUTHBERTSON: Jack, do you  
3 want to ask anything right now?

4 MR. O'DONNELL: No, thank  
5 you, Go ahead, Jeanne.

6 FURTHER EXAMINATION

7 BY MS. TOSTI:

8 Q. Doctor, in regard to the raw  
9 data, you've indicated the raw data from a  
10 polysomnogram can be as much as 800 pages,  
11 is that correct?

12 A. More like 1,100 pages.

13 Q. 1,100 pages. And you rely on  
14 the technician to review each of those  
15 pages, correct?

16 A. That's right.

17 Q. And you rely on the technician  
18 to point out areas that may need a  
19 physician to take a look at, and in  
20 addition you do some spot-checking of  
21 those 1,100 pages, correct?

22 A. That's right.

23 Q. But you as a physician don't  
24 go through every single page on the

1 -LEE J. BROOKS, M.D.-

2 polysomnogram, correct?

3 A. That's correct.

4 Q. And you have to rely on the  
5 expertise of the technician to do that?

6 A. That's right.

7 Q. Okay, Now, in regard to the  
8 oxygen desaturations, you had mentioned  
9 that that 60 percent that appears on the  
10 final report may have only have occurred  
11 for a second or two. Do you know that for  
12 a fact, that that's what happened in this  
13 case?

14 A. It would seem reasonable that  
15 that's what happened. It would be hard to  
16 imagine a situation where it hit 60 and  
17 just stayed there for a period of time.  
18 Also, looking at the rest of the curve,  
19 the percentage that the saturation was  
20 less than 70 and even less than 80 was  
21 quite, quite small.

22 Q. Okay, but she was at a period  
23 of time at 60, maybe 61, 62, 63, 64 all of  
24 the way up through 70, 75, right?

1 -LEE J. BROOKS, M.D.-

2 A. Correct, but --

3 Q. But there was a period of  
4 time --

5 ME. TORGERSQN: I don't think  
6 he finished his answer.

7 BY MS. TOSTI:

8 Q. Finish your answer, Doctor.

9 A. But looking at the graph, the  
10 saturation less than 70 appears to be an  
11 extremely small number as well.

12 Q. Do you have an opinion as to  
13 how much time she was below 75 percent  
14 during her sleep study?

15 A. Looking at this graph, it  
16 looks to be maybe one or two percent tops.

17 MS. TOSTI: Okay. I don't  
18 have any further follow-up questions.

19 EXAMINATION

20 BY MR. O'DONNELL:

21 Q. This is Jack O'Donnell. I  
22 have just have one or two questions now,  
23 if I may.

24 Dr. Brooks, would you consider

- LEE J. BROOKS, M.D. -

60 percent oxygen desaturation level to be a hypoxic state or an anoxic state or neither of those two things?

A. What do you mean hypoxic and anoxic?

Q. I guess that's what I want to know from you. We have some earlier material in the case, we have the earlier hypoxia. Do you think that hypoxia would result from a 60 percent desaturation level?

A. I don't think that there would be tissue hypoxia at a 60 percent level, which is what you're really concerned about. If you think about infants or children, for example, with cyanotic heart disease, they may have a saturation at that level or lower for years and they function pretty decently. So I would be surprised if there were any tissue hypoxia at 60 percent saturation.

Q. So at 60 percent, the tissues of the body and particularly of the brain

1                   -LEE J. BROOKS, M.D.-  
2       are still getting oxygen?

3                   A.       Yes.

4                   MR. O'DONHELL:   That's the  
5       only questions I have for you.   Thank  
6       you.

7       FURTHER EXAMINATION

8       BY MS. TOSTI:

9                   Q.       I have one more follow-up,  
10      Doctor.

11                   Do you have an opinion as to  
12      whether a 60 percent oxyhemoglobin  
13      saturation would have any effect on the  
14      irritability of a patient's heart if they  
15      had coronary artery disease.

16                   MR. TORGERSOW:   Objection.

17                   MR. O'DONNELL:   O'Donnell.  
18      I'll also note an objection to that one.

19                   MS. CUTHBERTSON:   I will  
20      object to the same here.   Cuthbertson.

21                   MS. PETRELLO:   Petrello.

22                   A.       I don't have an opinion on  
23      that.

24                   Q.       Would you deter to a



1 -LEE J. BROOKS, M.D.-  
2 cardiologist on that?

3 A. That would be a better choice.

4 MS. TOSTI: I have no further  
5 follow-ups.

6 MS. CUTHBERTSON: Thanks very  
7 much, Dr. Brooks.

8 MR. TORGERSON: Thank you.

9 MR. O'DONNELL: Thank you.

10 MR. TORGERSON: We are going  
11 to sign off now, as long as that's okay  
12 with you guys.

13 (Discussion of the record.)

14 MS. CUTHBERTSON: This is  
15 Cuthbertson. I would like a copy.

16 MS. PETRELLO: Petrello. I  
17 would like a copy.

18 MR. O'DONNELL: This is Jack  
19 O'Donnell. No copy at this time.

20 (6:10 p.m.)

21

22

23

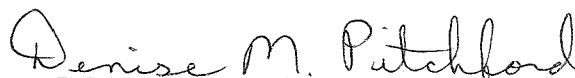

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C E R T I F I C A T E

I, Denise M. Pitchford, a Certified Shorthand Reporter and Motary Public of the State of New Jersey, do hereby certify that prior to the commencement of the examination, the witness and/or witnesses were sworn by me to testify to the truth and nothing but the truth.

I do further certify that the foregoing is a true and accurate computer-aided transcript of the testimony as taken stenographically by and before me at the time, place and on the date hereinbefore set forth.

I do further certify that I am neither of counsel nor attorney for any party in this action, that I am not interested in the event nor outcome of this litigation.

Certified Shorthand Reporter  
XI01866

Notary Public of New Jersey  
My Commission Expires June 30, 2000

Dated: 2-16-97