

*GROVER M. HUTCHINS, M.D. - WEDNESDAY, DECEMBER 15, 1999*  
*Thomas J. Lyzen, etc., et al. vs. Chandrakant Patel, M.D., et al.*

1

1 THOMAS J. LYZEN, etc., \* IN THE  
2 et al. \* COURT OF  
3 Plaintiffs \* COMMON PLEAS,  
4 \* CUYAHOGA COUNTY,  
5 vs. \* OHIO  
6 \*  
7 CHANDRAKANT PATEL, M.D., \* (Pages: 1-75)  
8 et al. \* JUDGE BURT GRIFFIN  
9 Defendant \* CASE NO.: 307715  
10 \* \* \* \* \*  
11  
12 Deposition of GROVER M. HUTCHINS, M.D.,  
13 commenced on Wednesday, December 15, 1999, at 11:30  
14 a.m., at The Law Offices of Venable, Baetjer &  
15 Howard, L.L.P., 1400 Mercantile Bank Building, 2  
16 Hopkins Plaza, Baltimore, Maryland, 21202, before  
17 Stephanie House.  
18  
19 \* \* \* \* \*  
20 Reported by:  
21 Stephanie House  
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A P P E A R A N C E S (Cont.)

1  
2  
3 On behalf of the Defendant Marc M. Levine, M.D.:  
4 WARREN ROSMAN, ESQUIRE  
5 Weston, Hurd, Fallon, Paisley & Howley, L.L.P.  
6 2500 Terminal Tower  
7 50 Public Square  
8 Cleveland, Ohio 44113-2241  
9 (216) 687-3237 (Voice)  
10 (216) 621-8369 (Fax)  
11 WRosman@westonhurd.com (E-Mail)  
12  
13 On behalf of the Defendant University Hospitals of  
14 Cleveland:  
15 GEORGE MOSCARINO, ESQUIRE (By telephone)  
16 Moscarino & Treu  
17 The Hanna Building  
18 1422 Euclid Avenue  
19 Suite 630  
20 Cleveland, Ohio 44115  
21 (216) 621-1000 (Voice)  
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2

A P P E A R A N C E S

1  
2  
3 On behalf of the Plaintiffs (By telephone):  
4 MICHAEL BECKER, ESQUIRE  
5 Becker & Mishkind  
6 134 Middle Avenue  
7 Elyria, Ohio 44035  
8 (440) 323-7070 (Voice)  
9  
10 On behalf of the Defendants Children's Research,  
11 Chandrakant Patel, M.D., Kenneth G. Zahka, M.D.  
12 and David M. Freeman, M.D.:  
13 ERNEST W. AUCIELLO, JR., ESQUIRE  
14 Gallagher, Sharp, Fulton & Norman  
15 Seventh Floor Bulkley Building  
16 1500 Euclid Avenue  
17 Cleveland, Ohio 44115  
18 (216) 241-5310 (Voice)  
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21  
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A P P E A R A N C E S (Cont.)

1  
2  
3 On behalf of the Defendant George F. Vanhair, M.D.:  
4 JOHN L. CULLEN, ESQUIRE (By telephone)  
5 Mazanec, Raskin & Ryder, L.P.A.  
6 100 Franklin's Row  
7 34305 Solon Road  
8 Solon, Ohio 44139  
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10  
11  
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1 PROCEEDINGS  
2 \*\*\*\*\*  
3 (Whereupon, July 28, 1998 report, Dr.  
4 Hutchins' Curriculum Vitae and Surgical Pathology  
5 Report dated 9/27/94 were premarked Exhibit Numbers  
6 1-3, respectively, for identification.)  
7 \*\*\*\*\*  
8  
9 Whereupon --  
10 GROVER M. HUTCHINS, M.D.,  
11 the Deponent, called for examination by the  
12 Defendant Levine, having been first duly sworn to  
13 tell the truth, the whole truth, and nothing but  
14 the truth, testified as follows:  
15 EXAMINATION BY MR. ROSMAN:  
16 Q. Dr. Hutchins, could you give us your full  
17 name, please?  
18 A. Grover M. Hutchins.  
19 Q. Dr. Hutchins, my name is Warren Rosman, I  
20 represent Dr. Marc Levine, one of the Defendants in  
21 this case captioned Lyzen versus Patel.  
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6

1 I take it you've had your deposition  
2 taken before?  
3 A. I have.  
4 Q. Okay.  
5 MR. MOSCARINO: Warren, can I just  
6 interrupt for one second?  
7 MR. ROSMAN: Yes.  
8 MR. MOSCARINO: I'm sorry, this is George  
9 Moscarino for the court reporter. I just want the  
10 record to reflect just that we're doing this  
11 deposition in part by phone, not by choice. That  
12 Mr. Becker, myself and Mr. Cullen headed out to  
13 Baltimore today. We could not get into Baltimore  
14 because of fog. We're now in Philadelphia.  
15 We're going forth with the deposition by  
16 phone because the doctor's there and it's been  
17 scheduled, but I'm going under the express  
18 condition that I have the right to redepose the  
19 doctor at a later time if I need to.  
20 I elected not to do it by phone the first  
21 time because my understanding is that Dr. Hutchins  
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1 has some color enhancements or some type of  
2 illustrations of the slides that are at issue in  
3 this case, specifically with respect to, I'm sure  
4 the issue of EFP and the other heart abnormalities.  
5 I may not need to question him at all, I may be  
6 able to just look at the slides, but I have to have  
7 that expressed agreement from the Plaintiff's  
8 lawyer, otherwise I have an objection to more  
9 forward at this point in time. Okay.  
10 MR. CULLEN: I will just join that and I  
11 think Mr. Becker intends to move forward.  
12 MR. BECKER: That's fine. It's my  
13 understanding that if there is a need, we will do  
14 it by phone, but go ahead.  
15 MR. MOSCARINO: And I can't agree that  
16 we'll necessarily go by phone. I certainly don't  
17 want to go to Baltimore again, I just have to  
18 review the transcript and the slides.  
19 MR. BECKER: Go ahead, Warren.  
20 MR. ROSMAN: Thank you.  
21 BY MR. ROSMAN:  
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1 Q. Doctor, if there's any questions that you  
2 don't understand, will you speak up and say  
3 something and I'll try to reword it for you so that  
4 you do understand it?  
5 A. Yes.  
6 Q. And if there's any question of mine that  
7 you don't hear well, will you also speak up and say  
8 something to me?  
9 A. I will.  
10 MR. ROSMAN: Thank you.  
11 And just so the record is very clear, Dr.  
12 Hutchins, myself, the court reporter and Mr.  
13 Auciello are here in Baltimore today on December  
14 15, 1999.  
15 And Mr. Becker and Mr. Moscarino and Mr.  
16 Cullen are in Philadelphia because their plane was  
17 diverted because of fog. And I'm glad you all were  
18 able to land someplace.  
19 BY MR. ROSMAN:  
20 Q. Okay. Dr. Hutchins, I take it we have  
21 labeled your CV as Exhibit 3; is that correct?  
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9

1 A. I'm not sure of the number.  
2 MR. AUCIELLO: Two.  
3 Q. Two. Do you have that CV?  
4 A. Yes. Here it is. It is indeed 2.  
5 Q. Okay. Thank you. Doctor, may I also  
6 have your file on this case?  
7 A. (Handing).  
8 Q. Thank you. Let's go off the record.  
9 (Whereupon, there was a discussion off  
10 the record and photographs were marked Exhibit  
11 Number 4 for identification.)  
12 Q. Doctor, you've been given certain  
13 documents to review in this case?  
14 A. Yes.  
15 Q. Which documents were you given?  
16 A. There's some selected clinical records.  
17 There's an autopsy report. The pathology report  
18 from the resected heart. The deposition of Dr.  
19 Redline.  
20 A report from a physician whose name I  
21 don't recall.  
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10

1 Q. Is that Dr. Alachlin (Phonetic)?  
2 A. Yes. The slides that were prepared from  
3 the resected heart and the slides from the autopsy.  
4 Q. Are these photocopies of something?  
5 A. They're photocopies of the slides that I  
6 reviewed.  
7 Q. Okay. And is this one page, your  
8 personal notes?  
9 A. Yes.  
10 Q. And then these are the photographs, these  
11 are the blowups?  
12 A. I'm sorry, those are electronmicrographs  
13 I had forgotten to mention.  
14 Q. And then in the blue folder, these are  
15 the --  
16 A. Those are the --  
17 Q. -- slides.  
18 A. -- 35 millimeter photographs and color  
19 prints that I had prepared.  
20 MR. ROSMAN: Okay. Thank you. We're  
21 going to mark your notes as the next exhibit.  
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11

1 (Whereupon, Handwritten Notes were marked  
2 Exhibit Number 5 for identification.)  
3 Q. That's Exhibit Number 5. And what was in  
4 this package?  
5 A. These are prints of the  
6 electronmicrographs that were prepared from the  
7 resected heart.  
8 Q. Okay. And that will be labeled Exhibit  
9 6.  
10 (Whereupon, Prints were marked Exhibit  
11 Number 6 for identification.)  
12 Q. Doctor, could you quickly go through your  
13 education for us?  
14 A. I graduated from the Johns Hopkins  
15 University School of Arts and Sciences in 1957, the  
16 Johns Hopkins University School of Medicine in  
17 1961. Did a training in anatomic pathology at the  
18 Johns Hopkins Hospital as an intern, assistant  
19 resident and chief resident between 1961 and 1965.  
20 Did a year of fellowship training in  
21 experimental pathology at the Scripps Clinic and  
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1 Research Foundation in La Jolla, California.  
2 Subsequent to that, returned to Johns Hopkins on  
3 the staff of both the Department of Pathology in  
4 the University and the Department of Pathology at  
5 the Johns Hopkins Hospital.  
6 Q. Okay. What is your current position at  
7 Johns Hopkins Hospital?  
8 A. I am a member of the active staff in  
9 pathology at the Johns Hopkins Hospital. I am a  
10 professor of pathology in the Johns Hopkins  
11 University School of Medicine.  
12 Q. And are you director of a pathology  
13 institute or --  
14 A. No.  
15 Q. Okay. I see something on your letter  
16 that you sent us on your expert's report that says:  
17 Director of Autopsy Pathology.  
18 A. That is correct. At the time that I  
19 wrote this report, actually I had just given up  
20 being Director of Autopsy Pathology, having reached  
21 age 65.  
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13

1 Q. So you are no longer the Director of  
2 Autopsy Pathology?

3 A. Correct.

4 Q. All right. And where do you have  
5 hospital privileges, sir?

6 A. I have privileges to the extent that one  
7 has privileges for patient admission and so forth  
8 at Johns Hopkins. I have visiting appointments at  
9 Baltimore VA Medical Center and the Hopkins Bayview  
10 Campus.

11 Q. And where are you licensed to practice  
12 medicine?

13 A. State of Maryland.

14 Q. And are you board certified?

15 A. I'm board certified in anatomic pathology  
16 and in pediatric pathology.

17 Q. Is there a particular type of pathology  
18 that you specialize in?

19 A. My major interest over the years has been  
20 in autopsy pathology, and within that, in  
21 cardiovascular, pulmonary and pediatric pathology.

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1 A. In the Bibliography Section of my  
2 curriculum vitae, the numbers that are relevant are  
3 10, 12, 15, 37, 77, 84, 131 and 133, among others.  
4 In the book chapter section, the one of most  
5 relevance is 45.

6 Q. Okay. And are there any others?

7 A. There are a number of papers that deal  
8 with various aspects of cardiac development,  
9 cardiac malformations and cardiac pathology in  
10 general, but the ones that I have enumerated are  
11 the most relevant to the issues in this case.

12 Q. Okay. Thank you.

13 And, Doctor, has your license ever been  
14 suspended or revoked?

15 A. No.

16 Q. Have you ever been convicted of a felony?

17 A. No.

18 Q. Okay. And at the medical school, do you  
19 teach any specific courses?

20 A. I teach in the general pathology course  
21 that's given to the second year medical students.

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1 Q. Are there pathologists on staff at  
2 Hopkins who specialize in pediatric pathology?

3 A. Yes.

4 Q. Is pediatric pathology one of your  
5 specialties?

6 A. Yes.

7 Q. Doctor, I take it that your CV has been  
8 labeled as Exhibit 2; --

9 A. Yes.

10 Q. -- is that correct?

11 And in that CV, have you marked certain  
12 articles and texts that are pertinent to this case?

13 A. I have identified several papers and one  
14 book chapter that I think are relevant to the  
15 issues of the case.

16 Q. Okay. And are those marked in pencil?

17 A. I did not mark them on the CV.

18 Q. Oh. Where did you mark them?

19 A. I have the numbers written on this little  
20 scrap of paper.

21 Q. Okay. Can you give us those numbers?

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1 I teach in the context of the autopsy service at  
2 the hospital to the people who are in training as  
3 pathologists.

4 Q. Doctor, during this past year, how many  
5 legal depositions, and I'm not saying as opposed to  
6 illegal depositions, but depositions given in a  
7 legal context have you had?

8 A. I don't know the exact number. It's  
9 probably 25, 30, something like that.

10 Q. This just during 1999?

11 A. Correct.

12 Q. And during 1999, how many times have you  
13 testified at trial or have you been videotaped for  
14 trial?

15 A. I've testified in court four times. I  
16 don't recall being videotaped. It may have  
17 happened once or twice.

18 Q. Doctor, in terms of testifying -- and I  
19 take it this was all as an expert?

20 A. Yes.

21 Q. And would I also be correct in assuming

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1 that these are all cases that do not involve  
2 patients of yours?

3 A. Yes. If I understand your question  
4 correctly, the answer is yes.

5 Q. Just so we're clear, the question, if I  
6 can reword that, these are cases where you are  
7 hired as an expert, rather than you testifying as a  
8 fact witness concerning someone who was a patient  
9 at Hopkins Hospital?

10 A. That's correct. That's correct.

11 Q. And in terms of testifying, was 1999 a  
12 fairly normal year for you?

13 A. Yeah. Maybe one or -- yeah, that's about  
14 average.

15 Q. And how long has this kind of -- have you  
16 had this type of rate of testifying in the legal  
17 matters for the, let's say, for the last -- would  
18 it be for the last 10 years or so?

19 A. Yeah, something like that.

20 Q. Doctor, have you ever been sued for  
21 malpractice?

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19

1 A. That's correct.

2 Q. And I take it that that was an  
3 administrative position?

4 A. Yes.

5 Q. And what years were you director of that?

6 A. Where's my CV?

7 Q. I'm sorry.

8 A. I don't remember this. 1976 until 1998.

9 Q. And during those years what would you say  
10 was your percentage of work that was  
11 administrative?

12 A. Relatively small component. Probably  
13 less than 10% of my time.

14 Q. Doctor, do you know Dr. Raymond Redline  
15 of Cleveland, Ohio?

16 A. I don't know him personally. I've  
17 encountered his name on publications in the past.

18 Q. Do you know Dr. Chin of Children's  
19 Hospital of Pennsylvania or Philadelphia?

20 A. No, I do not.

21 Q. Do you know any of the Defendants in this  
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1 A. No, I have not.

2 Q. Do you know how Mr. Becker came into  
3 contact with you?

4 A. No. I have no idea how he got my name.

5 Q. Doctor, do you and Mr. Becker have a  
6 particular fee arrangement?

7 A. My fee is \$400 an hour for whatever I do.

8 Q. Doctor, do you know how much time you've  
9 spent on this case up until today?

10 A. It's probably somewhere around 8 to 10  
11 hours.

12 Q. Doctor, are you listed in TASA or one of  
13 the expert services?

14 A. Not to my knowledge. I don't know what  
15 TASA is, but I am not -- I have not listed myself,  
16 so to speak.

17 Q. Doctor, have you had any contact with  
18 Mr. or Mrs. Lyzen?

19 A. No.

20 Q. Earlier you told us that you had been  
21 Director of Autopsy Pathology; is that correct?

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1 case, and that would include Dr. Marc Levine, Dr.  
2 Zahka, Dr. C. Patel?

3 A. I believe Dr. Zahka had been at Hopkins  
4 in the past. If that is the same person, I would  
5 know him.

6 Q. I believe it is the same person.

7 Doctor, do you know how to read an  
8 echocardiogram?

9 A. No.

10 Q. And, Doctor, have you seen the extracted  
11 heart in this case?

12 A. No, I have not.

13 Q. Do you have any plans to see that heart?

14 A. I think there was some indication that it  
15 was no longer available.

16 Q. If it were available, would you have any  
17 plans to see it?

18 A. It would be of interest to me to look at  
19 it.

20 MR. BECKER: The record should reflect  
21 that the representation by defense counsel to my  
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1 office is that that original heart is summarized  
2 and it has been discarded and it is no longer in  
3 existence.

4 MR. ROSMAN: Michael, are you saying  
5 that?

6 MR. BECKER: I'm saying that it's the  
7 representation that was made to me by you and  
8 others in this case and I'm just stating that for  
9 the record right now.

10 MR. AUCIELLO: On behalf of the record, I  
11 haven't made such a representation.

12 MR. ROSMAN: And I can say that I haven't  
13 made that representation and I can tell you  
14 specifically, Mr. Becker, that Dr. Redline, at his  
15 deposition, told us that the extracted heart still  
16 exists.

17 MR. BECKER: Not true. You have to  
18 talk to P.J. Mooney. He thought it did and then  
19 he checked and it was gone and then it was  
20 discarded, according to P.J. Mooney at the  
21 direction of Dr. Patel.

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1 type of hospital policy, and we'll leave it at  
2 that.

3 BY MR. ROSMAN:

4 Q. Doctor, can you define EFE?

5 A. Endocardial fibroelastosis is a  
6 nonspecific alteration in the endocardium of the  
7 left ventricle, in particular, which is a response  
8 to tension increase in the wall of the ventricle.  
9 It develops with, in particular, severity in  
10 younger hearts and to much less degree as one's  
11 heart gets older.

12 Q. When you say it is a nonspecific  
13 response, what do you mean?

14 A. It is etiologically nonspecific. It's  
15 related to the pathophysiologic phenomenon I  
16 mentioned which is tension increase in the  
17 endocardium.

18 Q. So, in other words, what you're saying in  
19 laymen's terms is that the cause of this can be  
20 varied?

21 A. Yes.

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1 MR. ROSMAN: You mean P.J. Malnar.

2 MR. BECKER: P.J. Malnar, excuse me.

3 MR. ROSMAN: That's okay. And we  
4 didn't have that information, you had it,  
5 Mr. Becker.

6 MR. BECKER: You know it now, Warren.  
7 Let's try to move it up one notch in gear.

8 MR. MOSCARINO: Just so the record is  
9 clear, there is correspondence from my office  
10 that the hospital informed Mr. Becker at his  
11 request of attorney concerning whether or not --

12 MR. ROSMAN: George, we can't hear you.

13 MR. MOSCARINO: I do want to speed  
14 things up, but there is correspondence from my  
15 office regarding the fact that this heart is no  
16 longer in existence. I did read Dr. Redline's  
17 deposition where he says that. The only thing  
18 that I don't know which is true at all is his  
19 representation that Dr. Patel had anything to do  
20 with the destruction of the heart. My  
21 understanding is that it was done through some

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1 Q. And I take it that what you're also  
2 saying that those causes which increase the tension  
3 in the endocardial layer can cause EFE?

4 A. Yes. Phenomenon that occurs more readily  
5 in younger patients than in older ones with the  
6 exception of the endocardial fibroelastosis that  
7 develops over myocardial infarcts, that can develop  
8 in a florid degree in the adult.

9 Q. Are you relying on Dr. Chin's report in  
10 any fashion?

11 A. I do not believe that I have Dr. Chin's  
12 report. Who is Dr. Chin?

13 Q. Dr. Chin is the other expert for  
14 Plaintiff.

15 A. I have not seen his report.

16 Q. And, Doctor, are you relying on the  
17 pathology reports from University Hospitals in  
18 making your comments and opinions?

19 A. I have reviewed the records that were  
20 supplied to me which includes the pathology reports  
21 and in the context of my own review of the slides

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1 from the case.

2 Q. Do you agree with the findings in any of  
3 the University Hospital's pathology reports?

4 A. I didn't go through those from the point  
5 of view of agreement or disagreement. I read the  
6 descriptions, factual descriptions. Did not pay  
7 that much attention to their interpretations, to  
8 tell you the truth.

9 Q. Doctor, do you disagree that there was  
10 subaortic stenosis here?

11 A. Yes.

12 Q. Did you agree with Dr. Redline's finding  
13 in the final diagnosis and gross summary that this  
14 subaortic stenosis was mild to moderate?

15 A. It wasn't measured, so it's difficult to  
16 know for sure, having not seen the heart myself.  
17 Obviously, it was sufficiently severe to be  
18 regarded as something. It required a valvuloplasty  
19 type procedure by the clinical folks that were  
20 taking care of the child.

21 Q. Well, Doctor, are you saying that you  
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1 endocardial fibroelastosis is a nonspecific  
2 response to a pathophysiologic alteration in the  
3 ventricle.

4 Q. Doctor, can EFE be congenital?

5 A. Yes.

6 Q. What would be the causes of congenital  
7 EFE?

8 A. Far and away, the most common cause of  
9 congenital EFE is aortic atresia.

10 Q. Okay. What is aortic atresia?

11 A. It's a closure of the leaflets of the  
12 aortic valve so that blood flow through the aortic  
13 valve stops.

14 Q. Okay. That wasn't present here, was it?

15 A. No.

16 Q. Doctor, if any of the other heart valves  
17 are affected, does one see EFE? Let me restate  
18 that question for you.

19 Let's say there's a problem with the  
20 mitral valve. Does that have a tendency to cause  
21 or create EFE in the heart?

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1 disagree with Dr. Redline's finding that the  
2 subaortic stenosis was mild to moderate?

3 A. I can neither agree with it, nor disagree  
4 with it. I have not seen it myself. There is no  
5 photograph of the heart and the heart doesn't  
6 apparently exist anymore, so we're dependent on  
7 what we have in the way of descriptions here. And  
8 as I already stated, there was no measurement of  
9 the diameter of this as seen in the resected heart.

10 Q. Doctor, would you agree that a  
11 pathologist who was looking and working on an  
12 extracted heart was part of the -- this is an  
13 extracted heart of a neonate -- that that doctor is  
14 part of the overall care team, along with  
15 neonatologists and pediatric cardiologists for that  
16 neonate?

17 A. In the broader concept of the care team,  
18 I suppose that's true.

19 Q. Doctor, can you define primary EFE?

20 A. I have no idea what you mean by primary  
21 EFE. There is no such thing. As I said before,  
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1 A. Yes.

2 Q. And where would that EFE be located?

3 A. In the left ventricle.

4 Q. What if there was a problem with the  
5 tricuspid valve, would that cause EFE?

6 A. In my view, most probably not.

7 Q. What if there was a problem with the  
8 pulmonary valve, would that cause EFE?

9 A. Again, most probably not.

10 Q. Of the cases that you see that involve  
11 EFE, what percentage of those cases involve EFE  
12 that is only located in the left ventricle?

13 A. The vast majority of endocardial  
14 fibroelastosis occurs in the left ventricle,  
15 excluding the normal endocardial fibroelastotic  
16 nature of the left atrium.

17 Q. Doctor, have you ever personally seen a  
18 case where endocardial fibroelastosis is heart  
19 wide?

20 A. I don't believe that occurs personally.

21 Q. I'm going to reask you that question just  
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1 so we -- because it's a very specific question.  
2 Have you personally ever seen a case  
3 where EFE was heart wide?

4 A. We need to make a distinction here  
5 between what is the normal situation in the  
6 endocardium of the left atrium which I already  
7 mentioned and also to a much lesser extent, the  
8 endocardium of the right atrium. Endocardial  
9 fibroelastosis is a pathologic process, for all  
10 practical purposes, is confined to the left  
11 ventricle.

12 Q. Okay. Doctor, I don't believe you've  
13 answered my question yet.

14 A. Well, we need to clarify what you're  
15 talking about when you use the term EFE because the  
16 morphology of the left atrial endocardium closely  
17 resembles the morphology of endocardial  
18 fibroelastosis of the left ventricle as a  
19 pathologic process.

20 Q. Have you seen a case where endocardial  
21 fibroelastosis was disbursed evenly throughout the  
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1 heart, including the right ventricle and right  
2 atrium?

3 A. No.

4 Q. Have you heard of such a case?

5 A. No.

6 Q. If you did see a case where endocardial  
7 fibroelastosis was disbursed fairly evenly  
8 throughout all four chambers of the heart, would  
9 you be able to diagnose that case?

10 A. In the incredibly improbable circumstance  
11 that you could produce such a case, the answer is  
12 yes.

13 Q. And what would be your diagnosis?

14 A. Well, I mean, you know, the question you  
15 answered -- the answer -- asked, answered that  
16 question.

17 Q. Well, Doctor, your answer to me was that  
18 it would be incredibly unusual, I may not be using  
19 your exact words, to have a case where EFE was  
20 spread evenly throughout all four chambers of the  
21 heart.

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1 You didn't say it was impossible, though,  
2 you said it was incredibly?

3 A. Improbable is what I said.

4 Q. Improbable. If such a case occurred, you  
5 said you could diagnose it, and I'm wondering what  
6 your diagnosis would be.

7 A. Obviously, it would be what you just  
8 described, endocardial fibroelastosis uniformly  
9 distributed throughout all four chambers of the  
10 heart.

11 Q. Okay. And with that diagnosis, would you  
12 have any opinion as to what caused that?

13 A. It would have to be looked at in the  
14 context of the case and try to arrive at some  
15 interpretation of it.

16 Q. Doctor, in the context of this case, if  
17 there was dispersion of EFE throughout all four  
18 chambers of this heart, what would be your opinion  
19 as to the cause of that EFE?

20 A. The issue doesn't come up in this case.  
21 There's not EFE disbursed throughout all four

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1 chambers of the heart. It's not there on the  
2 slides.

3 I want to make it clear that when I am  
4 using the term EFE, I'm referring to pathologic  
5 conditions, to not have to keep repeating that a  
6 similar morphologic change is a normal feature of  
7 the left atrium.

8 Q. Doctor, which slides tell you that it was  
9 not disbursed throughout the heart?

10 A. The slide of the right ventricle is the  
11 key slide.

12 Q. And do you know which one?

13 A. I'm looking. I'm looking. It is  
14 S9414657D as in dog.

15 Q. Is that B or D?

16 A. D as in dog.

17 Q. Delta. Is that the slide that's normally  
18 referred to as D slide?

19 A. D. It is subidentified as D under  
20 S9414657.

21 Q. And handing you what has been labeled

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1 Exhibit, 3 have you seen Exhibit 3?  
2 A. Yes.  
3 Q. Okay. This is the surgical pathology  
4 report from University Hospitals?  
5 A. Correct.  
6 Q. And you've seen this?  
7 A. Yes, I have.  
8 Q. And the slide you're referring to is the  
9 slide referred to as D, that's delta, on that  
10 report; is that correct?  
11 A. Yes.  
12 Q. Okay. Thank you. Now, you're looking at  
13 now what is evidently a xerox of that slide; is  
14 that correct?  
15 A. There is a xerox that I'm looking at  
16 which includes that slide, correct.  
17 Q. Okay. Do you have any other photograph  
18 or blowup of that slide in your possession?  
19 A. I do.  
20 Q. And is that in one of your packets that  
21 we have?

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1 A. It is. This is within Exhibit 4 and it  
2 is Number 14.  
3 Q. If you could refer to the blowup that is  
4 Number 14. Doctor, looking at the blowup that  
5 corresponds to that slide, what is it about this  
6 blowup that tells you that EFE was not located in  
7 the right ventricle?  
8 A. The endocardium is of normal thickness.  
9 Q. Is there anything else that says anything  
10 to you concerning EFE in that Number 14 photograph?  
11 A. Photograph demonstrates that endocardial  
12 fibroelastosis is not present in the right  
13 ventricle.  
14 Q. Can you say the last three words that you  
15 said?  
16 A. Not present in the right ventricle.  
17 Q. And it's because the endocardium is of  
18 the normal thickness, correct?  
19 A. Correct.  
20 Q. Is there anything else in that photograph  
21 that says anything about EFE?

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1 A. No.  
2 Q. I would like you to look at the  
3 photograph that refers to slide C.  
4 A. Slide C is a duplicate of slide B in the  
5 set of slides that I am looking at.  
6 MR. AUCIELLO: Does that mean you don't  
7 have slide C or --  
8 Q. Are you saying that slide C and D are the  
9 same slide?  
10 A. Slide B and slide C have been cut from  
11 the same block.  
12 Q. That's slide C, Charlie and D, delta?  
13 A. No, B, bog.  
14 Q. Okay. I'm not interested in B.  
15 A. Well, you may not be interested in B, but  
16 the answer to your question relates to the fact  
17 that slides B and C have been cut from the same  
18 block.  
19 Q. Okay. Does that mean that C and D  
20 basically give the same view to you of the right  
21 ventricle?

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1 A. No. You're not listening.  
2 Q. I'm sorry.  
3 A. Slide B as in boy, C as in Charlie have  
4 been cut from the same block. They are from the  
5 left ventricle. They're not from the right  
6 ventricle. Slide D, delta, in your terminology, is  
7 from the right ventricle.  
8 Q. Thank you.  
9 Is there any other slide of the right  
10 ventricle?  
11 A. No.  
12 Q. Is there any slide of the right atrium?  
13 A. My recollection is that D does not have  
14 atrium in it. That's my recollection. I can't  
15 tell from looking at my pictures.  
16 Q. Okay. Doctor, how long does it take for  
17 EFE to affect a neonatal heart to such a degree  
18 that it needs to be transplanted?  
19 A. The transplantation is not done because  
20 of endocardial fibroelastosis. Endocardial  
21 fibroelastosis is a consequence of whatever reason

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1 the heart needs to be transplanted, that is the  
2 nature of the disease in that case.  
3 Q. You would agree with me, or possibly not,  
4 tell me, that if EFE affects a heart, that EFE will  
5 cause that heart to have more trouble beating; is  
6 that correct?  
7 A. That's an interesting question, and I'm  
8 not sure that anyone knows the answer to that.  
9 Endocardial fibroelastosis is a reaction to an  
10 abnormal pathophysiologic state and it is not clear  
11 that it impairs the function of the heart as  
12 opposed to actually improving it or bringing it  
13 more back towards normal than would be the usual  
14 circumstance.  
15 Q. Doctor, have you ever seen EFE in a right  
16 ventricle?  
17 A. I can't recall such a case -- oh, whoops.  
18 Yes, I have. Yes, I have. I have.  
19 Q. Do you remember what --  
20 A. Several times, as a matter of fact, I  
21 have seen such a phenomenon.

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1 Q. Do you remember what your conclusions  
2 were concerning the cause of that EFE being in the  
3 right ventricle?  
4 A. It was related to destruction of the  
5 right ventricular myocardium. The circumstances in  
6 which you see that sort of thing fits into the  
7 general category of what's called Uhl's syndrome,  
8 U-H-L-'s, and diverticula of the ventricle. These  
9 are very uncommon conditions and the underlying  
10 cause is unclear.  
11 Q. Doctor, have you ever seen -- well, let  
12 me go back. You spoke of Uhl's syndrome.  
13 What does that consist of?  
14 A. A loss of right ventricular myocardium of  
15 unknown cause.  
16 Q. Have you ever seen EFE in a right atrium?  
17 A. There's a -- there's a relative normal  
18 thickening of the endocardium on the inner atrial  
19 septum. It's not of a degree of what one sees in  
20 the left atrium, but again we're talking normal  
21 here. I can't recall having seen EFE as an

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1 abnormal process in the right atrium.  
2 Q. If there is a flow induced tension to the  
3 heart caused by a subaortic stenosis, would you  
4 expect to see the EFE in such a case induced by  
5 such a flow problem in the left ventricle?  
6 A. Your scenario again is what, subaortic  
7 obstruction?  
8 Q. Yes.  
9 A. I have not seen that.  
10 Q. When you see subaortic stenosis, do you  
11 see a particular pattern of EFE created by that?  
12 A. As I said, I have not seen that. I can't  
13 recall such a case.  
14 Q. Is there such a thing as -- strike that.  
15 Doctor, this case, would you agree,  
16 involves subaortic stenosis?  
17 A. Yes.  
18 Q. Okay. Do you agree or disagree that  
19 there was EFE caused by that stenosis?  
20 A. It is not directly caused by the  
21 stenosis. The endocardial fibroelastosis in this

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1 case is a consequence of the complications that  
2 arose from the therapeutic addressing of the  
3 subaortic stenosis.  
4 Q. It is your opinion, in other words --  
5 well, first of all, it is your opinion, I take it,  
6 that there was no heart wide four chambers  
7 dispersal of EFE, correct?  
8 A. I think we've beaten that point into the  
9 ground, yes.  
10 Q. Okay. I take it it is also your opinion  
11 that the EFE here was caused by the cardiac event  
12 which Baby Lyzen had experienced on August 24 of  
13 1994?  
14 A. Let me make sure we're on the same  
15 wavelength datewise here. Is that the date the  
16 procedure was done, he had a cardiac arrest?  
17 Q. Yes. Or if I can clarify this --  
18 MR. AUCIELLO: I think it's in your  
19 report.  
20 Q. It's on your second page of your report.  
21 A. Second page, thank you. I couldn't

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1 believe I didn't have it in there. Yes. Yes.  
2 August 24, that's when his endocardial  
3 fibroelastosis was set in motion.  
4 Q. So it's your opinion that the EFE that's  
5 present in Baby Lyzen's extracted heart was as a  
6 result of the would be heart attack that the baby  
7 experienced when he was undergoing valvuloplasty?  
8 A. The infant has a profound degree of  
9 ischemic cardiomyopathy.  
10 Q. Are you agreeing with me?  
11 A. You want to ask the question again?  
12 Q. Is it your opinion that the EFE that was  
13 present in Baby Lyzen's extracted heart was due to  
14 the cardiac event which the baby experienced on  
15 August 24, 1994?  
16 A. Yes.  
17 Q. And I take it that you're saying that  
18 the -- by the way, in laymen's terms, did the baby  
19 have a heart attack on that day?  
20 A. He has a great deal of ischemic injury to  
21 his myocardium. If you want to use the lay term of  
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1 heart attack, that's fine with me. I personally do  
2 not think of it in those terms.  
3 Q. Okay. What term would you use?  
4 A. He's had a profound ischemic injury as a  
5 result of a cardiac arrest.  
6 Q. And so were there two things caused as a  
7 result of that profound ischemic injury? Number  
8 one, EFE; and second, ischemia found in the heart?  
9 A. The ischemia is a consequence of the --  
10 pardon me. The EFE is a consequence of the  
11 ischemic cardiomyopathy.  
12 Q. If someone has a profound ischemic  
13 injury, do you typically find EFE only in the left  
14 ventricle?  
15 A. You want to rephrase that question a  
16 little bit?  
17 Q. Well, if someone experiences a profound  
18 ischemic injury, would you agree that that is a  
19 heart wide development?  
20 A. That's even less clear. Let me answer  
21 what I think you're trying to ask me. The type  
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1 of ischemic injury that occurs here in the  
2 circumstance of this sort tends to be in the  
3 subendocardial part of the heart. The ability of  
4 the patient to survive such an event is as a result  
5 of resuscitation, clinical management and that sort  
6 of thing.  
7 The endocardial fibroelastosis evolves  
8 over the course of some weeks following that event  
9 in the case of myocardial infarct, for example, in  
10 an adult. And with your use of the term, profound  
11 ischemic insult, one thinks that such a person is  
12 not going to survive, so endocardial fibroelastosis  
13 is not going to be seen in the early stages of this  
14 type of effect. This is why I was questioning you  
15 about your question.  
16 Q. If there is ischemic injury to the heart,  
17 that ischemic injury doesn't necessarily occur in  
18 the left ventricle, does it?  
19 A. The left ventricle is typically that part  
20 of the heart that is most severely affected.  
21 Q. If there's ischemic injury, can other  
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1 chambers of the heart be affected, other than the  
2 left ventricle?  
3 A. Yes. It's not uncommon to see a right  
4 ventricular focal necroses or occasionally also in  
5 the atrium with really profound episodes of shock  
6 when the patient survives for a period of time.  
7 Q. If that occurs, do you also see EFE in  
8 the other chambers?  
9 A. Not as a rule, no.  
10 Q. You're saying not as a rule. Does that  
11 mean there are situations where you would see EFE  
12 in the other chambers?  
13 A. Well, I described one to you a little  
14 while ago in the Uhl's syndrome in which there's  
15 loss of myocardium, for whatever, ischemic injury  
16 being one of the postulates as to what may be going  
17 on there. So, yes, that can occur in that  
18 circumstance from ischemia if that indeed is what  
19 causes Uhl's syndrome.  
20 Q. In this case, Doctor, with Baby Lyzen,  
21 was there ischemia located in chambers other than  
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1 the left ventricle?  
2 A. For an answer -- which one is this? Yes.  
3 There is depicted on Number 16 of this exhibit  
4 which is 4, there is an area of ischemic injury in  
5 the left atrium.  
6 Q. That's photograph Number 16 in Exhibit 4?  
7 A. Yes.  
8 Q. Okay. And can you point out for us here  
9 at the table where that's located?  
10 A. (Indicating).  
11 Q. Can I see that for a second?  
12 A. (Handing).  
13 Q. Handing you what's been labeled -- well,  
14 Photograph Number 16 of Exhibit 4, is the area that  
15 you've pointed to, the lighter area in the top near  
16 the top of the photo, a little bit to the right of  
17 center?  
18 A. Yes, exactly.  
19 Q. Thank you. I'll take my pathology boards  
20 tomorrow.  
21 A. Just so there's no misunderstanding,  
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1 that's also shown in 15 which is a lower powered  
2 view that includes that same area.  
3 Q. Could I see that, Doctor?  
4 A. (Handing).  
5 Q. And in Number 15 of Exhibit 4, where's  
6 the ischemia located?  
7 A. That (indicating).  
8 Q. Okay. Doctor, I would like you to refer  
9 to slide E. You have said that -- do you have  
10 that?  
11 A. I do.  
12 Q. You state in your report that slide E is  
13 consistent with flow induced tension, and I would  
14 like to know what you mean by that.  
15 A. That is not what I said. I said one  
16 slide, E, shows endocardial thickening that is  
17 consistent with flow induced endocardial  
18 proliferation with overlying organizing thrombus in  
19 the area of subaortic stenosis.  
20 Q. Okay. Thank you. What do you mean by  
21 that?  
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1 A. Well, you see endocardial proliferations  
2 that are flow induced. That is to say in areas of  
3 low shear, there will be proliferation of the  
4 endocardial issues. This is discussed in  
5 considerable detail in the paper Number 15 that I  
6 referred to you before from my bibliography.  
7 Q. Do you have the blowup of slide E?  
8 A. Yes. Numbers 2, 3, 4 and 5 all come from  
9 slide E.  
10 Q. May I see those?  
11 A. (Handing).  
12 Q. E, okay. Two, 3, 4 and 5?  
13 A. Yes.  
14 Q. And these are slides taken of the  
15 subaortic region?  
16 A. They're taken from slide E which is  
17 purported to come from the region of subaortic  
18 stenosis.  
19 Q. And showing you what's been labeled  
20 slides 2, 3, 4 and 5 of Exhibit 4, can you point  
21 out to me the endocardial thickening that is  
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1 consistent with flow induced endocardial  
2 proliferation?  
3 A. It's well seen in 3 towards the --  
4 slightly to the right of center. And under higher  
5 power, in 4, as a lamina of proliferated tissue.  
6 All this stuff (indicating).  
7 Q. Okay. Let's go back to 3. Where do you  
8 see the endocardial thickening that we've been  
9 talking about?  
10 A. It's this stuff that has slightly  
11 different color that extends through this area here  
12 (indicating).  
13 Q. Okay. That is a little bit to the right  
14 and above the center of this picture. Would you  
15 agree?  
16 A. It's -- yeah. Part of it is somewhat  
17 above center, yes, and it's a little bit to the  
18 right.  
19 Q. Okay. And is that a little bit darker in  
20 color than the rest of the photo?  
21 A. It's a bit darker than the tissues that  
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1 are to the left of it.  
2 Q. And it's directly above this little dark  
3 blotch?  
4 A. Yes. A blood vessel.  
5 Q. Okay. And Number 4 is a blowup of that?  
6 A. Yes.  
7 Q. When you say something is consistent, do  
8 you mean that it is a possible result, but not the  
9 definite result of something?  
10 A. Not really. It means that far and away,  
11 more probably than not, that is the explanation of  
12 it, but that one would concede that there may  
13 conceivably be other explanations.  
14 Q. Doctor, what are the major diseases that  
15 cause EFE?  
16 A. Probably the commonest thing is  
17 cardiomyopathy.  
18 Q. Any others?  
19 A. You can see it, as we discussed before,  
20 with left heart syndrome.  
21 Q. I take it that it is your opinion in this  
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1 case --  
2 A. And if I could just extend that, I also  
3 mention myocardial infarction as a relatively  
4 common of localized EFE.  
5 Q. Doctor, I take it that it is your opinion  
6 in this case that the EFE that you see here is only  
7 located in the left ventricle, correct?  
8 A. Yes. That same qualifier in terms of the  
9 left atrium. You understand this, right? You've  
10 never agreed that you understand this. So you want  
11 me to say it every time or what?  
12 Q. No, no, that's all right.  
13 A. Are you agreeing that the comparable  
14 morphology is seen normally in the left atrial  
15 endocardium?  
16 Q. I don't know if I'm agreeing to that, but  
17 I understand that you're saying that.  
18 A. Can we agree that we're going to use the  
19 term EFE only for the pathologic change?  
20 Q. Yes.  
21 A. All right, fair enough.  
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1 Q. If a valvuloplasty is performed on a  
2 neonate and that heart has been extracted, would  
3 you expect to see any signs of the valvuloplasty on  
4 the extracted heart?  
5 A. It could be very difficult to recognize  
6 in a pathologic specimen, and that's just not  
7 neonates. Valvuloplasty changes are actually  
8 difficult to appreciate many times.  
9 I have a paper on valvuloplasty pathology  
10 too. I forgot to write that one down.  
11 Q. Could you tell us which one that is?  
12 A. Not off the top of my head.  
13 Q. Is it in your CV?  
14 A. Yes. Bibliography.  
15 Q. Doctor, this might be important. If you  
16 could point out that article to us.  
17 A. Your colleagues are going to get annoyed  
18 if I take the time to find this thing. All right.  
19 Why don't you go ahead? I'll just be looking while  
20 you're talking.  
21 Q. Well, have you in your practice ever seen  
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1 signs of a valvuloplasty done on an aortic valve?  
2 A. Yes.  
3 Q. Okay. What kind of signs do you see?  
4 A. Well, the one that particularly comes to  
5 mind was done in a patient with calcific aortic  
6 stenosis. And in that case, there had been  
7 cracking of some of the calcific materials in the  
8 sinus of Valsalva.  
9 Q. Have you ever seen in such a situation,  
10 that is, where a valvuloplasty is done on an aortic  
11 valve, have you ever seen signs of tearing of the  
12 aortic valve?  
13 A. Yeah. We looked at a whole bunch of  
14 aortic valves that were obtained from autopsy  
15 patients.  
16 And, in fact, that's the paper I'm  
17 looking for because that study was done and had all  
18 kinds of injuries from the different types of  
19 injuries and some of the valves, including tearing  
20 of the leaflet.  
21 Q. Doctor, can an infectious process cause  
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1 EFE?

2 A. Yes. Viral myocarditis being a  
3 particularly common cause of that sort of thing.

4 Q. Could you agree that the pathologic  
5 changes that result when EFE occurs are similar,  
6 regardless of the cause of EFE?

7 A. Yes. It's a nonspecific pathologic  
8 reaction to pathophysiologic state.

9 Q. Doctor-- oh, I'm sorry?

10 A. 301.

11 Q. Number 301. Thank you.

12 Doctor, do you have any opinion as to the  
13 standard of care delivered by any of the physicians  
14 in this case?

15 A. I do not address standard of care  
16 questions being a pathologist.

17 MR. ROSMAN: Doctor, I don't think I have  
18 any further questions at this point.

19 MR. AUCIELLO: Doctor, I just have --  
20 I'm Ernie Auciello, I represent Dr. Patel and  
21 Dr. Zahka.

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1 Q. And I understand that answer. Is there  
2 anything in your other findings, though, that leads  
3 you to question that?

4 A. To question that there's subaortic  
5 stenosis?

6 Q. To question whether it was mild to  
7 moderate?

8 A. I can't address it one way or the other.  
9 I have no reason to dispute that statement based on  
10 what I've seen.

11 Q. Okay. Now, in that surgical pathology  
12 report, right in the middle of the note on the  
13 second page, Dr. Redline writes: The myocardial  
14 changes are out of proportion to the degree of  
15 aortic stenosis which was mild/moderate at best.

16 A. I'm sorry, I had seen that. I have  
17 misstated what I said before, they did in fact  
18 measure that. I was reading down here that they  
19 would have measured the aortic valve. They did in  
20 fact measure the site of stenosis.

21 Q. Okay. So what --

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1 MR. BECKER: Ernie, can you move a little  
2 bit closer to that speaker phone?

3 MR. AUCIELLO: I didn't have a mike, I'm  
4 sorry.

5 EXAMINATION BY MR. AUCIELLO:

6 Q. Doctor, directing your attention to the  
7 surgical pathology report done on the heart, I  
8 believe you have it in front of you. I don't  
9 remember what exhibit it is, though.

10 A. Yes.

11 Q. And if I recall your testimony, you said  
12 you can't determine whether the stenosis was mild  
13 to moderate without seeing it, the subaortic  
14 stenosis?

15 A. Right.

16 Q. Okay.

17 A. The subaortic area was not measured by  
18 the descriptions here and he asked a matter of mild  
19 to moderate, apparently was based on looking at it  
20 and they did not photograph it and we don't have  
21 the specimen, so.

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1 A. So I would agree with the mild to  
2 moderate.

3 Q. You would agree with the mild to  
4 moderate?

5 A. Yes.

6 Q. Would you agree that the myocardial  
7 changes are out of proportion to that degree of  
8 aortic stenosis?

9 A. The myocardial changes as seen in the  
10 heart, yes, they are the consequence of the injury  
11 resulting from the arrest.

12 MR. AUCIELLO: Okay. That's the only  
13 question I have.

14 MR. ROSMAN: Any questions from  
15 Philadelphia?

16 MR. CULLEN: Doctor, my name is John  
17 Cullen. I just have a few questions.

18 EXAMINATION BY MR. CULLEN:

19 Q. Can you hear me?

20 A. Yes.

21 Q. Okay. I'm looking at your report, I'm on

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1 Page 2, the last paragraph where it begins in  
2 summary.  
3 A. Yes.  
4 Q. And it says: Thomas Lyzen had subaortic  
5 outflow tract obstruction of the left ventricle and  
6 that this congenital malformation was his  
7 underlying cardiac problem. Right?  
8 A. Correct.  
9 Q. Do you have any opinions on what the  
10 treatment should have been for this congenital  
11 malformation?  
12 A. No. That's a clinical determination.  
13 Q. Okay. I understand you've got a copy of  
14 Dr. Redline's deposition with you.  
15 A. Yes, I do.  
16 Q. Have you read it?  
17 A. Yes, I read through it.  
18 Q. Do you disagree with any of his opinions?  
19 MR. BECKER: I object.  
20 Q. Well, Doctor, does he point out in his  
21 deposition that he found EFE in the right  
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1 ventricle?  
2 A. Yes, I noted that statement.  
3 Q. I'm assuming you disagree with that?  
4 A. It's not shown on the slide of right  
5 ventricle that I have to look at.  
6 Q. Okay. Do you know if that was the slide  
7 he was looking at or --  
8 A. I'm not sure if these are original slides  
9 that I have or whether they're recuts.  
10 Q. Would the original slides be of more help  
11 to you? Would they be better quality? Would  
12 they --  
13 A. I can't answer that. As I said, I don't  
14 know whether these are the original slides or not.  
15 Q. All right. So it's not that you disagree  
16 with Dr. Redline, it's that you don't know if he  
17 was looking at the same things you were looking at;  
18 is that fair?  
19 A. That's correct, I do not know.  
20 Q. Is there anything else you remember from  
21 his deposition that you disagree with?  
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1 A. I think we perhaps have a different  
2 concept of endocardial fibroelastosis.  
3 Q. I think so. I had a whole slew of  
4 questions on the difference between primary and  
5 secondary, and I think what I'm hearing you say is  
6 that you don't believe there is a primary EFE or an  
7 entity called primary EFE; is that right?  
8 A. It is my opinion that there is a  
9 widespread misconception that there is an entity of  
10 primary endocardial fibroelastosis. I have the  
11 personal belief that in all instances, the  
12 endocardial fibroelastosis is secondary to some  
13 other pathologic process.  
14 Q. So there's a misconception out there,  
15 right?  
16 A. That is my opinion.  
17 Q. I think I'm reading all the materials  
18 from this misconception then.  
19 Was this misconception present in 1994?  
20 A. It still exists.  
21 MR. CULLEN: Okay. Thank you. That's  
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1 all I have.  
2 THE WITNESS: You're welcome.  
3 MR. MOSCARINO: Doctor, my name is George  
4 Moscarino, I'm an attorney for the hospital. I  
5 just have a few questions for you.  
6 EXAMINATION BY MR. MOSCARINO:  
7 Q. This misconception that you told Mr.  
8 Cullen about, is that a minority position that you  
9 hold?  
10 A. Is the opinion that there is no primary  
11 EFE a minority opinion?  
12 Q. Yes.  
13 A. I can't answer that. I don't know.  
14 Q. Well, if you know, and if you don't,  
15 fine, if we polled 100, if there are 100  
16 pathologists like yourself, specialized in  
17 pediatrics and in cardiology, would more than 50 of  
18 them believe that there's no such thing as primary  
19 EFE?  
20 A. I can't answer that. I really don't  
21 know. If you ask the question about clinicians, I  
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1 can tell you that the majority of them seem to  
2 believe that there is such an entity. I don't know  
3 about pathologists.

4 Q. Well, are you saying that the  
5 misconception on whether there's such a thing as  
6 primary EFE is a misconception that's held by  
7 cardiologists or pathologists or both?

8 A. I'm sure, obviously from Dr. Redline's  
9 deposition, there are pathologists that hold that  
10 opinion.

11 Q. And all I'm trying to figure out is your  
12 comment to Mr. Cullen who preceded me here, is that  
13 directed towards clinicians or pathologists or  
14 both?

15 A. Both.

16 Q. And as a pathologist, are you qualified  
17 to comment on whether a clinician has a  
18 misconception in their diagnosis of EFE?

19 A. Yes.

20 Q. Are the cardiologists also qualified then  
21 in your mind to talk about and opine about the

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1 medical evidence or are you looking at two  
2 different cuts of the same slide? Or do you not  
3 know?

4 A. I can't tell. I mean, normally if you  
5 get recut slides, they're marked as such. That is  
6 not the case with the ones that I reviewed. So I  
7 do not know if these are original slides or recuts.

8 Q. If you were shown another slide of the  
9 right ventricle which showed EFE, would that change  
10 your opinions at all?

11 A. Not in regard to the interpretation of  
12 this case.

13 Q. Why not?

14 A. Because the pathology of the case is very  
15 clear cut, as I've described it in my report here.

16 Q. Is John Hopkins a teaching institution?

17 A. Yes. Johns Hopkins. It starts there  
18 with teaching.

19 MR. ROSMAN: Thank you, Doctor. As an  
20 alumnus, I'm glad you made that correction.

21 Q. So you work with residents and fellows?

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1 pathology?

2 A. Well, I'm sure they can opine about it,  
3 but whether they opine accurately or not is another  
4 matter.

5 Q. Is EFE a pathological diagnosis only?

6 A. I don't see how you can make the  
7 diagnosis otherwise.

8 Q. Is that by slide only?

9 A. It's not only by slide only, but it  
10 requires an elastic stain to be certain that that's  
11 what you're looking at.

12 Q. It requires what, a stain?

13 A. An elastic stain is needed if there is  
14 question about what you're looking at.

15 Q. And can two pathologists of the same  
16 qualifications and experience differ over whether a  
17 slide shows evidence of EFE?

18 A. I would hope they wouldn't.

19 Q. And I'm not trying to ask a goofy  
20 question. What I'm trying to figure out is do you  
21 and Dr. Redline differ over the exact same piece of

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1 A. Yes.

2 Q. And the residents and the fellows both in  
3 pathology, cardiology and other disciplines are  
4 physicians in training?

5 A. Yes.

6 Q. And I assume that you teach them and  
7 direct them and control them in their activities?

8 A. I'm not sure how much control I have, but  
9 the other two things are correct.

10 Q. And when they present a diagnosis to you,  
11 you then have the authority as the attending  
12 physician either to accept that or to change it?

13 A. In cases on which I'm the attending, that  
14 is correct.

15 Q. And is that the same with respect to  
16 cardiology?

17 A. No. My role in cardiology is not that of  
18 an attending.

19 Q. No, but is the line of hierarchy with  
20 respect to the attendings at your institution the  
21 same, as far as the attending physicians having the

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1 right and ability to change diagnoses that the  
2 residents and fellows set forth?

3 A. I can't speak with any personal knowledge  
4 about what goes on in cardiology, but I would  
5 assume that would be the case.

6 Q. Did you read the report of a Dr. Novak?

7 A. Novak, that name is not familiar to me.  
8 Is that an expert report or part of the record?

9 Q. My understanding is he's an expert  
10 pathologist identified by one of the other  
11 Defendants.

12 A. No, I have not seen that.

13 Q. He's from Children's Hospital in Acron,  
14 Ohio.

15 A. No, I have not seen his report.

16 Q. Are you familiar with a Dr. Robert W.  
17 Novak from Acron, Ohio?

18 A. No, I do not know him.

19 Q. His summary is as follows: He says:  
20 Number one, I conclude that the aortic outflow  
21 obstruction is of only modest severity at all

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1 times.

2 Do you agree with that?

3 A. That may well be the case, I don't know.

4 MR. MOSCARINO: Okay. That's all I have.  
5 Thank you.

6 THE WITNESS: You're welcome.

7 MR. ROSMAN: Any further questions in  
8 Philadelphia?

9 MR. MOSCARINO: No, just to restate my  
10 earlier comment that I need to take a look at these  
11 blowups and the other exhibits to the deposition  
12 before making a decision regarding redeposing the  
13 doctor. I was concerned at a certain point in  
14 time, I felt that I was at a disadvantage not being  
15 able to look at the blowups of certain slides that  
16 we were talking about with respect to the EFE.  
17 And, in particular, the one slide that Dr. Hutchins  
18 was saying of the right ventricle that did not show  
19 any EFE. Thank you.

20 MR. CULLEN: That was George Moscarino,  
21 I'm John Cullen. I just join in what he said.

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1 MR. ROSMAN: I don't have any further  
2 questions.

3 MR. AUCIELLO: I've got one follow-up  
4 about the primary EFE view that you hold.

5 EXAMINATION BY MR. AUCIELLO:

6 Q. Were you of this view in 1994, or do you  
7 know when you came to see the light, so to speak,  
8 that there was no such thing as primary EFE?

9 A. My interest in endocardial fibroelastosis  
10 extends back a number of years. The papers I  
11 referred to before were written or published back  
12 in 1971 or '72, so.

13 Q. So if we had asked you in 1994 if there's  
14 such a thing as primary EFE, your answer would be  
15 the same as it is today?

16 A. Correct.

17 MR. AUCIELLO: I have no further  
18 questions.

19 MR. ROSMAN: I will make arrangements  
20 somehow with the doctor to somehow get color copies  
21 of these photographs.

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1 THE WITNESS: Yes. I can provide those  
2 through our photography lab, if that's your desire.

3 MR. ROSMAN: Okay. That would be fine.

4 MR. BECKER: Let the record reflect that,  
5 Doctor, I recommend that you read the deposition  
6 that's going to be ordered, rather than waiving  
7 signature. Would you so indicate to the court  
8 reporter since I'm not familiar with the court  
9 reporter?

10 (Whereupon, at 1:05 p.m., the deposition  
11 was suspended.)

12  
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GROVER M. HUTCHINS, M.D. - WEDNESDAY, DECEMBER 15, 1999  
Thomas J. Lyzen, etc., et al. vs. Chandrakant Patel, M.D., et al.

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1 STATE OF MARYLAND

2 SS:

3 I, Stephanie House, a Notary Public of

4 the State of Maryland, do hereby certify that the

5 within named GROVER HUTCHINS, M.D., personally

6 appeared before me at the time and place herein set

7 out, and after having been duly sworn by me, was

8 examined by counsel.

9 I further certify that the examination

10 was recorded stenographically by me and this

11 transcript is a true record of the proceedings.

12 I further certify that I am not of

13 counsel to any of the parties, nor an employee of

14 counsel, nor related to any of the parties, nor in

15 any way interested in the outcome of this action.

16 As witness my hand and notarial seal this

17 23rd day of December, 1999.

18

19

20 Stephanie House, Notary Public

21 My commission expires June 1, 2003.

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1 I N D E X

2 DEPOSITION OF GROVER M. HUTCHINS, M.D.

3 DECEMBER 15, 1999

4

5 EXAMINATION BY: PAGE:

6 Mr. Rosman .....5

7 Mr. Auciello .....54

8 Mr. Cullen .....55

9 Mr. Moscarino .....60

10 Mr. Auciello .....67

11

12 EXHIBIT: DESCRIPTION: PAGE:

13 1 July 28, 1998 report .....5

14 2 Dr. Hutchins' Curriculum Vitae .....5

15 3 Surgical Pathology Report dated

16 9/27/94 .....5

17 4 Photographs .....9

18 5 Handwritten notes .....11

19 6 Prints .....11

20 \* \* \* \* \*

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1 AL BETZ & ASSOCIATES, INC.

2 Administrative Offices

3 P.O. Box 865

4 Westminster, Maryland 21158

5 VOICE- (410) 752-1733 FAX- (410) 675-2857

6 E-mail - albetz@ix.netcom.com

7 DATE: December 28, 1999

8 JOB NUMBER: SH21548H

9 CASE CAPTION: Lyzen vs. Patel, M.D., et al

10 COURT: Court of Common Pleas, Cuyahoga County, Ohio

11 CASE NUMBER: 307715

12 DEPONENT: GROVER M. HUTCHINS, M.D.

13 DATE OF DEPOSITION: December 15, 1999

14 ATTORNEYS/FIRMS:

15 MICHAEL BECKER, ESQUIRE / Becker & Mishkind

16 ERNEST W. AUCIELLO, JR., ESQUIRE / Gallagher,

17 Sharp, Fulton & Norman

18 WARREN ROSMAN, ESQUIRE / Weston, Hurd, Fallon,

19 Paisley & Howley, L.L.P.

20 GEORGE MOSCARINO, ESQUIRE (By telephone) /

21 Moscarino & Treu

22 JOHN L. CULLEN, ESQUIRE (By telephone) / Mazanec,

23 Raskin & Ryder, L.P.A.

24

25 Dear Sir or Madam:

26 Bound herewith is the transcript of

27 the above-referenced deposition, including the

28 original certificate page and notary page. Please

29 read the transcript and sign the certificate page

30 before a notary public for authentication of your

31 signature. Any additions or corrections should be

32 listed on the errata sheet provided. Please remove

33 the signed certificate, notary pages, and the

34 completed errata sheets, and return them to the

35 address listed above for processing.

36 If this process has not been completed

37 within (30) thirty days from the date of this

38 letter, we will assume that the right to read the

39 deposition has been waived. This is in accordance

40 with Rule 30(e) of the Federal Rules of Civil

41 Procedure and Rule 411 Section (a) of the Maryland

42 Rules of Procedure.

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1 READING & SIGNING PROCEDURE

2

3 The Deposition of GROVER M. HUTCHINS,

4 M.D., taken in the matter, on the date, and at

5 the time and place set out on the title page

6 hereof.

7 It was requested that the deposition be

8 taken by the reporter and that same be reduced to

9 typewritten form.

10 It was agreed by and between counsel

11 and the parties that the Deponent will read and

12 sign the transcript of said deposition.

13

14

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1                    C E R T I F I C A T E

2    STATE OF \_\_\_\_\_:

3    COUNTY/CITY OF \_\_\_\_\_:

4                    Before me, this day, personally

5    appeared GROVER M. HUTCHINS, M.D., who, being duly

6    sworn, states that the foregoing transcript of

7    his/her Deposition, taken in the matter, on the

8    date, and at the time and place set out on the

9    title page hereof, constitutes a true and

10   accurate transcript of said deposition.

11

12

13                    \_\_\_\_\_

14                    GROVER M. HUTCHINS, M.D.

15

16                    SUBSCRIBED and SWORN to before me this

17    day of \_\_\_\_\_, \_\_\_\_\_ in

18    the jurisdiction aforesaid.

19

20                    \_\_\_\_\_

21   My Commission Expires                    Notary Public

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1	PAGE/LINE	CHANGE	REASON
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20	SIGNATURE: _____		DATE: _____
21	Grover M. Hutchins, M.D.		
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1                    D E P O S I T I O N   E R R A T A   S H E E T

2    RE:   Al Betz & Associates, Inc.

3    FILE NO.:   SH21548H

4    CASE CAPTION:   Lyzen, et al vs. Patel, M.D., et al.

5    DEPONENT:   Grover M. Hutchins, M.D.

6    DEPOSITION DATE:   December 15, 1999

7                    I have read the entire transcript of

8    my Deposition taken in the captioned matter or

9    the same has been read to me. I request that the

10   changes noted on the following errata sheet be

11   entered upon the record for the reasons

12   indicated. I have signed my name to the Errata

13   Sheet and the appropriate Certificate and

14   authorize you to attach both to the original

15   transcript.

16   PAGE/LINE            CHANGE            REASON

17   \_\_\_\_\_

18   \_\_\_\_\_

19   \_\_\_\_\_

20   SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

21   Grover M. Hutchins, M.D.

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