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IN THE COURT OF COMMON PLEAS
OF CUYAHOGA COUNTY, OHIO

FRANCES SMITH,

:

DOC 465

Administratrix, etc.,

Plaintiff,

vs.

:

Case No. 100877

ST. LUKE'S HOSPITAL,

:

ET AL.,

:

Defendants.

Deposition of JOHN B. DOWNS, M.D., a
witness herein, called by the Defendant Lee for
cross-examination under the statute, taken **before**
me, Nicholas A. Marrone, a Registered Professional
Reporter and Notary Public in and **for** the State **of**
Ohio, **by** agreement **of** counsel and without notice or
other legal formality, at 410 W. Tenth Street,
Columbus, Ohio, on Monday, February 23, 1987, at
10:15 o'clock a. m.

1 APPEARANCES:

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Charles Kampinski Co., L.P.A.
1530 Standard Building
Cleveland, Ohio 44113,
By Messrs. Charles I. Kampinski and
Christopher M. Mellino,

On behalf of the Plaintiff.

Reminger & Reminger
The 113 Building
Cleveland, Ohio 44114-1273
By Mr. Marc W. Groedel,

On behalf of Defendants
Stephens and Smith.

Jacobson, Maynard, Fuschman & Kalur
100 Erieview Plaza, 14th Floor
Cleveland, Ohio 44114
By Mr. Stephen Charms,

On behalf of the Defendant Lee.

Kitchen, Messner & Deery
1100 Illuminating Building
55 Public Square
Cleveland, Ohio 44113
By Mr. Steven W. Albert,

On behalf of Defendant Sims.

Arter & Hadden
1100 Huntington Building
Cleveland, Ohio 44115
By Mr. Michael C. Zellers,

On behalf of Defendant
St. Luke's Hospital.

Monday Morning Session

February 23, 1987

10:15 o'clock a. m.

- - - - -

STIPULATIONS

It is stipulated by and between **counsel** for the respective parties that the deposition of **John B. Downs, M.D.**, a witness herein, called by the Defendant Lee for cross-examination under the statute, may be taken at **this** time by the Notary by agreement of counsel without notice or other legal formality; **that** said deposition may be **reduced** to writing in stenotypy by the Notary, whose notes may thereafter be transcribed **out** of the presence of **the witness**; that proof of **the** official **character** and qualification of the Notary is **waived**.

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JOHN B. DOWNS, M.D.

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first duly sworn by the Notary, as hereinafter

4

certified, deposes and says as follows:

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- - - - -

6

CROSS-EXAMINATION~

7

BY MR. CHARMS:

8

Q. Doctor, my name is Steven Charms and I'm

9

an attorney representing Dr. Lee, an

10

anesthesiologist who is one **of** the party defendants

11

in this **case**. And **yon** have been identified by Mr.

12

Kampinski as an expert against Dr. Lee. Mr.

13

Kampinski has provided me with the report which

14

will be **marked** as Deposition Exhibit A.

15

- - - - -

16

Thereupon, Downs Deposition

17

Exhibit A **WAS** marked

18

for purposes of identification.

19

- - - - -

20

BY MR. DOWNS:

21

a. Would **you** take a minute and **look** at that,

22

A. Yes.

23

Q. That's a copy of the **report** that you

24

prepared and **submitted** to Mr. **Kampinski**?

1 A. It appears to be, yes.

2 Q. I'm going to be asking you a number of
3 questions today about the opinions that you have
4 rendered in this case. If **for** any *reason* you don't
5 understand a question, you can't hear it because of
6 the fan, it's confusing or whatever -- would you
7 **prefer** it --

8 A. I **would** think so because **it's** right over
9 me, if you wouldn't mind? Thank you.

10 Q. Now hopefully you should **be** able to hear
11 me. So if the question is confusing or it didn't
12 **make** sense to you for any reason, please **stop** and
13 **tell** me what your **problem** is with the question and
14 I'll try to rephrase it or ask you to rephrase it
15 for me, and that way at the end of the deposition
16 we'll have an understanding that you understood the
17 questions I **asked** and **answered** them to the best of
18 your ability. Is that correct?

19 A. Yes.

20 Q. Would you state your full **name** for the
21 record, **please**?

22 A. John Burton, B-u-r-t-o-n, Downs.

23 Q. **And** your occupation?

24 A. I'm a physician,

1 Q. Oksy. **And** you specialize in?

2 A. Anesthesiology and critic31 care medicine.

3 Q. I want you to assume that Mr. Smith
4 didn't go to surgery on November 17th, 1984, okay,
5 the second surgery in his last admission **to** St.
6 Luke's Hospital. How long would **he** hsrve lived?

7 MR. KAMPINSKI: You are asking him if he
3 has an opinion **as** to that?

9 MR. CHARMS: Do you have an opinion?

10 A. I would not be able to judge how long he
11 **would** live with any **degree** of certainty.

12 Q. Okay. Well, I see from your CV that you
13 are a fellow of the American College of **Chest**
14 Physicians; correct?

15 A. Correct.

16 Q. **And you have** expertise in pulmonary
17 medicine?

18 A. I have expertise in **anesthesiology** and
13 critical care medicine which involves to a large
20 extent the respiratory system, respiratory
21 physiology, pathophysiology and so on. But I have
22 not ever had **formal** training in the designated
23 subspecialty of interna1 medicine called pulmonary
24 medicine.

1 Q. All right. Rut you have training in
2 pulmonary medicine as it **relates** to anesthesia,
3 right, and critical care medicine?

4 A. Well, again, pulmonary medicine is a
5 specific subspecialty of internal medicine. Again,
6 I have had training in critical **care** medicine which
7 involves to a large extent the pulmonary system.

8 Q. Okay. I didn't mean **to** interrupt you.

9 A. So **you** could indirectly say **I've** had some
10 training in a generic pulmonary medicine.

11 Q. Okay. In critical care medicine, **you**
12 also have **had some** training in cardiology?

13 A. Again, that's a subspecialty of intern31
14 medicine as **well**. I have had training and
15 experience in dealing with people **with** cardiac
16 problems.

17 Q. Okay. In your position here at
18 University Hospitals, I assume you anesthetize
19 patients?

20 A. I supervise **the** anesthetization of
21 patients on a much mare frequent basis than I
22 actually induce anesthesia.

23 Q. Are you involved in supervising
24 anesthetizing patients **for** cardiac surgery?

1 A. Only on a very infrequent basis now. Up
2 until about six months ago, I did that **relatively**
3 frequently.

4 Q. So you are trained in cardiac anesthesia?

5 A. I have -- I WAS trained in cardiac
6 anesthesia and I have extensive experience in
7 cardiac anesthesia.

8 Q. Okay. The only **reason** I ask is in your
9 report you make numerous references to Mr. Smith's
10 preoperative cardiorespiratory status, his
11 intraoperative status and his postoperative status.
12 So I just assumed from your report that you had
13 some **degree** of expertise in those areas; is that a
14 fair assumption on my **part**?

15 A. I have **expertise** in the preoperative
16 **assessment** of **those** areas and also in the
17 intraoperative and postoperative management of
18 cardiopulmonary **problems**, yes.

19 Q. In your **report** you indicated I think it's
20 on page one, halfway **down** that big paragraph
21 **talking** about EKG interpretations?

22 A. Yes.

23 Q. Do you have it there, Doctor?.

24 A. Uh-huh.

1 Q. Okay. My first question to you is I
2 assume you have reviewed the actual EKG?

3 A. As a matter of fact, I did not. I
4 reviewed only the interpretation of the EKG.

5 a. Why don't you take a minute and look at
6 that actual EKG.

7 MR. KAMPINSKI: Did you bring the
8 original record?

9 MR. ZELLERS: No.

10 MR. CHARMS: This is off the record.

11 (Discussion held off the record,)

12 MR. CHARMS: On the record. On my copy
13 the page is 136.

14 MR. KAMPINSKI: There could be different
15 numbering systems used.

16 MR. ZELLERS: What's the date?

17 MR. CHARMS: This is the EKG of November
18 14th, 1984.

A. I think I have the one.

20 Q. Are we all on the same page, so to speak?

21 A. Uh-huh.

22 Q. Have you had an opportunity to review it
23 now, Doctor?

24 A. I have reviewed the interpretation again

1 and I have **looked** at the tracing which I have which
2 is rather poor Xerox quality,

3 **3.** Understanding that limitation, do you
4 agree, now having looked at the tracings that are
5 available with Dr. Krall's interpretation of that
6 EKG?

7 A. I can **only** assume thst Dr. Krall is
8 qualified to interpret this record and that he has
9 interpreted it correctly, and I would not put
10 myself forward as an expert in this area and would
11 not attempt to interpret **this** EKG personally.

12 Q. Doctor, when you have patients in the
13 operating room under anesthesia, **you** follow them on
14 the monitor, don't you?

15 A. Yes, but that's not the same thing as a
16 twelve-lead **EKG**. That's just a monitor.

17 Q. Assuming **tnat** Dr. Krall's interpretation
18 is correct, would it be significant to **you** as to
19 how long Mr. Smith may **have** been exhibiting those
20 kinds of changes on an electrocardiogram?

21 A. Could you be more specific about which
22 changes **you** are referring **to**?

23 MR. KAMPINSKI: And I'm going **to** object.
24 Significant **to** him in what context? His opinions

1 with respect to what?

2 MR. CHARMS: We **will** get into it.

3 BY MR. CHARMS:

4 Q. Okay, You have NO reason to disagree
5 with Dr. Krall's interpretation that Mr. Smith had
6 probable left atrial hypertrophy?

7 A. I have no reason to disagree with that.

8 Q. Now, that would be enlargement of the
9 left atrium; right?

10 A. Yes.

11 Q. **Okay.** Dr. Krall also notes in
12 enlargement of the left ventricle, **left** ventricular
13 hypertrophy. You don't disagree with that?

14 A. I don't disagree with left ventricular
15 hypertrophy. I would disagree that necessarily
16 implies enlargement of the left ventricle, It just
17 means that the muscle is increased in mass.

18 Q. Okay, We can look at a chest x-ray for
19 **some** corroboration of whether **the** heart **was**
20 enlarged; correct?

21 A. You could look at a chest **x-ray** and
22 perhaps determine enlargement of the left ventricle.
23 But you could not diagnosis left ventricular
24 hypertrophy. You could just have dilatation of the

1 left ventricle without necessarily having
2 hypertrophy of the muscle of the **left** ventricle.

3 **a.** But the chest x-ray would show whether
4 the heart **was** enlarged in toto, cardiomegaly?

5 **A.** it might, might not.

6 **Q.** Did you notice in Mr. Smith's **chest**
7 x-rays that they found generalized -- strike that.

8 Did you notice in your review of the
9 records that at least the radiologist found
10 cardiomegaly on Mr. Smith's chest x-rays prior **to**
11 surgery on November 17th, 1984?

12 **MR. KAMPINSKI:** Which **x-ray are you**
13 talking about?

14 **A.** The only interpretation that I recall is
15 the one from 11-14-84 at 11:10 p.m., which is
16 postoperatively that noted moderate cardiomegaly,
17 unchanged from a previous examination.

18 **Q.** Okay. I assume that Mr. Kampinski
19 provided you **with** the prior **admission** of Mr. Smith
20 to St. Luke's Hospital on October 22nd, 1984?

21 **A.** Yes. And I had just **forgotten** that I
22 reviewed that and I see that interpretation now as
23 well.

24 **Q.** Would I be correct in stating that with

1 left atrial hypertrophy and left ventricular
2 hypertrophy as interpreted by the cardiologist --
3 I'll represent to you that Dr. Krall is a
4 cardiologist -- and the generalized cardiomegaly as
5 seen on the **chest** x-rays prior to surgery on
6 November 17th, 1984, do you **have an opinion** as to
7 whether or **not** those findings have any significance
8 with regard to Mr. Smith's heart condition or life
9 expectancy?

10 MR. KAMPINSKI: All right. Let me just
11 interject an objection at this point and let me
12 state the reasons for it. The Ohio Revised Code
13 sets forth life **expectancy** tables which **presumably**
14 include people with cardiomegaly and left
15 ventricular hypertrophy as well as people who don't
16 have that, and therefore they reach an average for
17 **purposes** of determining average life expectancy of
18 individuals of varying ages.

19 And I don't understand your **question** as
20 to whether or not you are asking the **Doctor** to give
21 some type of interpretation on that type of
22 proceeding or to cast himself in the **role** of God to
23 **give** you **some** type of opinion as to whether Mr.
24 Smith would have lived ten years, twenty years,

1 sixty **years**. I don't understand your question. To
2 that extent, I object to it.

3 BY MR. CHARMS:

4 Q. With **all** due respect to Mr. Kampinski,
5 I'm not casting you in the role of God, I think we
6 all **know** that, Did yCU understand my question?

7 A. I believe I **understood** your question. It
8 was actually in two parts.

9 Q. Okay. You are correct, it was. I
10 apologize. Can you **answer** them both?

11 A. In view of these, I would **say** there is
12 evidence that this gentleman did have some cardiac
13 change which quite likely was resultant of his
14 hypertension; that is, his left ventricular
15 hypertrophy and cardiac enlargement.

16 As to what effect that might have on his
17 life expectancy, I actually **don't** have an opinion
18 regarding that.

19 Q. Would it be significant for you to know
20 how **long** Mr. Smith had been hypertensive?

21 A. In terms of what?

22 Q. In consideration or trying to evaluate
23 **the** extent of his cardiac **problems**?

24 A. It is likely that the longer standing his

1 hypertension, the greater the significance the
2 **effect** on the heart would be. But that's again a
3 very generalized opinion in terms of specific
4 effects on the heart, I could not give you an
5 accurate evaluation of the extent of heart disease.

6 Q. If -- assuming Mr. Smith had EKG changes
7 as far **back** as three or four years preceding his
8 **death** of the type that are **described** on the EKG
9 interpretation of November 14th, 1984, do you think
10 that that **information would** impact on the extent of
11 Mr. Smith's cardiac condition?

12 MR. KAMPINSKI: Condition, what, before
13 these operations?

14 MR. CHARMS: Yes. I haven't even --
15 A. It would mean to me if his EKG had
16 **remained** stable for four years, that in fact
17 **probably the** duration didn't have a tremendous
18 impact on at least the electrical activity of the
19 heart, and it would mean to me that his left
20 **ventricular hypertrophy and** left atrial enlargement
21 and so on had remained relatively stable during
22 that four-year period of **time**. That's **how** I would
23 **interpret** that.

24 Q. You **made** inention of the electrical

1 situation, for lack of a better **term**. Would it be
2 fair to say that Mr. Smith had electrical
3 dysfunction of his heart prior to November **of** 1984?

4 A. Well, when I referred to the electrical
5 activity, I **was** referring to the fact *that* the EKG
6 **was** in fact purely an electrical diagnostic tool
7 resulting from the periodic discharge and
8 repolarization of the cardiac conducting **system** in
9 the **heart** muscle.

10 Q. Are we talking -- I don't mean **to**
11 interrupt you and if I have I am sorry. When we
12 are talking about an electrical problem, are we
13 talking **about** in this EKG of November 14th the
14 atrial ectopic beats, the wandering atrial
15 pacemaker and the **left** anterior hemi block and
16 right bundle branch block, Those are electrical
17 problems?

18 A. I don't know that I used the **term**
19 **electrical** problems. I think I used the term
20 electrical activity. If I didn't, then I would
21 have to stand corrected.

22 Q. Okay.

23 A. The entire electrocardiogram, as stated
24 in the title is an **electrical** diagnostic **test** of

1 the heart. And I was referring particularly to the
2 left ventricular hypertrophy and left atrial
3 hypertrophy which you had referred to earlier. In
4 fact, the fact that there is a wandering atrial
5 pacemaker and there is some degree of heart block,
6 that does indicate that there is some electric31
7 abnormality of the conducting system of the heart
8 as well,

9 Q. Okay. Aren't findings of left
10 ventricular hypertrophy and ST and T wave changes
11 also indicative of muscle **damage**?

12 A. No, not **necessarily** muscle damage at all.
13 They are indicative of changes **that** usually result
14 **from** an excessive **workload** placed on the left
15 ventricle, at least left ventricular hypertrophy is.
16 And what was the other one you referred to besides
17 hypertrophy?

18 Q. The ST changes.

19 A. The ST changes are very nonspecific in my
20 experience,

21 Q. I don't -- I'm not talking about
22 necessarily, but one **of** the **possible** explanations
23 of those findings is muscle damage to the heart.

24 A. You **would** have **to** be more specific before

1 I could agree with that. You mean like ischemic
2 damaga or heart attack?

3 Q. Uh-huh, ischemic or infarct?

4 A. Usually infarcts do not result in **left**
5 ventricular hypertrophy to my knowledge.

6 Q. Before I forget, Doctor, we were handed a
7 copy of **your** curriculum vitae just before the
8 deposition started and it's rather voluminous. **The**
9 abstracts and the articles that are contained in
10 your bibliography, we can find those in the
11 journals. I want to ask you, there are a number of
12 pages -- I didn't count them, it **looks** like fifteen
13 pages or so of p a p ? that you put under a heading
14 of **papers** in preparation, submitted or in press.

15 A. I don't believe there are fifteen pages
16 that fall in that category, It's not even close.

17 Q. I'm sorry, you are right. There are
18 papers and lectures presented probably covers more
19 of it.

20 A. Right.

21 Q. If I wanted to get **those** materials, could
22 I just ask Mr. Kampinski and he can provide them to
23 us, get them **from** you?

24 A. Which, **the** papers that are in

1 presentation?

2 Q. Papers and lectures that you presented.

3 A. No.

4 Q. Those aren't written anywhere?

5 A. Some have summaries that were handed out
6 to the audience and they may be available or they
7 may not. But basically those are lectures as
8 stated and some of them are on tape that would be
9 available.

10 Q. Well, if I go back to my office and go
11 through the papers and lectures that you presented
12 and wanted to see if there was anything written on
13 it, do you have any problem with my contacting Mr.
14 Kampinski to see if you have anything written and
15 provide it for me?

16 A. No.

17 Q. Good. In your publications, there are a
18 number of articles, but have you contributed to any
19 textbooks?

20 A, Yes.

21 3. Okay. Which textbooks have you
22 contributed to?

23 A. I don't remember. They are listed
24 there. If they are there, and I don't believe they

1 are broken out separately under chapter headings,
2 but they will be **listed** appropriately as, you know,
3 in a textbook or edited by so on.

4 Just by memory, I can remember I did one
5 **for** International Anesthesia Clinics, I did one for
6 a textbook on **critical** care medicine. Just recently
7 submitted one, it hasn't been published yet, for a
8 **Chinese textbook** on critical **care** medicine. And
9 there are several others, I just don't **remember**.

10 Q. But they are all contained **in** your
11 curriculum vitae?

12 A. Right. Or in my bibliography.

13 Q. All right. I assume part **of** your
14 function **here** at Ohio State is teaching residents?

15 A. That's correct.

16 Q. **Okay**, Are there any textbooks **that** you
17 recommend for them to **review** or read in their trainin

18 A. I **recommend** that they read at the
19 beginning **of** their training **the** textbook An
20 Introduction to Anesthesia by Dripps, **Ecknnhoff** and
21 Van Dam.

22 Q. Dripps is the **first** author?

23 A. Right.

24 Q. Are there any other texts that you

1 recommend **for** your residents?

2 A. Not that I specifically recommend. 'They
3 frequently ask my opinion on texts and I give them
4 my opinion on specific texts.

5 Q. Now I'm asking; **okay?** Assume I'm one of
6 your residents asking for textbooks on
7 cardiopulmonary considerations in anesthesia
8 **preoperatively**, intraoperatively and
9 postoperatively, what texts would **you** recommend
10 that I review?

11 A. For that, I would **probably** recommend
12 Kaplan's **textbook** on thoracic anesthesia.

13 Q. Is that K?

14 A. K-a-p-l-a-n-s, which I **also** wrote a
15 chapter **for**,

16 Q. Okay. What journals do you subscribe to,
17 **sir?**

18 A. Oh, there are probably close to fifteen
19 of them. **Medical** journals **you** are referring to?

20 Q. **All** the journals, **anesthesia** journals,
21 critical care journals?

22 A. But medical, **not like** Time --

23 Q. No. I'm not interested in **Time**.

24 A. Anesthesia and Analgesia, **Canadian**

1 Anaesthetists Journal, Anesthesiology, Critical
2 **Care Medicine**, Did I **say** the Canadian
3 Anaesthetists Society Journal?

4 Q. I think so.

5 A. And through the department, I also read
6 monthly Chest, New England Journal of Medicine,
7 Anesthesiology Review, occasionally British Journal
8 of Anesthesia, and **probably** six or **seven** others
9 that I can't recall off of the **top** of my head that
10 come through, the A.M.A. newsletter and A.S.A.
11 newsletter.

12 Q. Do you review any of the cardiology
13 **journals from** time to time?

14 A. Occasionally.

15 Q. **The** Journal of the American College of
16 **Cardiology?**

17 A. I'm **not** familiar with a **journal** by that
18 title. There is the American **Journal** of Cardiology
19 which I think is their journal.

23 Q. Okay.

21 A. And that I do review occasionally, not
22 very often.

23 Q. Do you review Circulation?

24 A. Rarely.

1 Q. Are **there** any other journals that you can
2 think of that we haven't --

3 A. I'm sure there are but **they** don't coins to
4 mind **immediately**.

5 Q. Okay. Is **this** Defendant's Exhibit A the
6 only report that you have prepared **for** Mr.
7 Kampinski?

8 A. I believe so.

9 Q. Were there any drafts of that **report**
10 **prepared**?

11 A. Just from my **notes**.

12 Q. Okay. Do you have **your** notes?

13 A. Yes, **I** do.

14 Q. May I see them?

15 MR. KAMPINSKI: I made copies for all you
16 guys.

17 A. I don't know **which** ones I **used** and which
18 ones I didn't, but unfortunately **at** that time --
19 that **may** have been more **recent**, The second set she
20 gave I think when I **reviewed** Sims' **deposition**, Lee's
21 deposition, Smith, and that **would** be this one.

22 MR. KAMPINSKI: **These** are **all** your notes,
23 **though**?

24 THE WITNESS: Yes. I may have also had a

1 written outline for the letter. I frequently do,
2 but I discard **that** as soon as I have **the** original.

3 Q. You mean the original of your report?

4 A. No. The original of the **report** Mr.
5 Kampinski has. And I think if I had constructed an
6 outline, and I don't recall if I did or not, **that**
7 would have been destroyed since I made sure **all** my
8 points **were** in **this** report.

9 Q. In the letter you provided to Mr.
10 **Rampinski** is what you are referring to?

11 A. Yes.

12 Q. Okay. In your report, you indicate that
13 **you** reviewed Drs. Lee, Stevens and Smith's
14 depositions as well as the deposition of one of the
15 nurses in this case, **Miss** Sims?

16 A. Correct.

17 Q. What other materials have you reviewed?

18 A. Subsequently?

19 Q. At any point.

20 A. Subsequently I reviewed an x-ray which
21 was a flat plate, a KUB of the abdomen of the
22 patient. I believe that I reviewed that after I
23 wrote this letter, but it may **have** been before. In
24 addition, I reviewed **depositions** of Randall Peters,

1 Michael Gill, Scott Miller. And I believe that's
2 all. I also received an amended answer that I
3 reviewed.

4 Q. An amended answer from whom?

5 A. This here.

6 MR. KAMPINSKI: Dr. Lee.

7 A. Dr. Lee.

8 MR. KAMPINSKI: Your client.

9 Q. I think I know what that says. Anything
10 else, sir?

11 A. Possibly, but I don't remember. I'm not
12 being evasive, I just don't remember.

13 Q. Okay. Have you at any time seen any
14 medical records from physicians who may have been
15 creating Mr. Smith prior to his admission to St.
16 Luke's Hospital -- well, before I ask that, have
17 you reviewed -- what medical records from St.
18 Luke's Hospital have you reviewed?

19 A. I reviewed the medical records of two
20 admissions, one on the 22nd of October, 1984, and
21 then the other on the 12th of November, 1984.

22 Q. Have you had an opportunity to review any
23 hospital records or doctors office charts preceding
24 that October 22nd, 1984, admission to St. Luke's?

1 A. There was one sheet from the Associates
2 in Orthopedics, Incorporated, that **was** included,
3 and the date is not legible, and I reviewed that.
4 **The only** thing I can read on it is a 12.

5 Q. I'm sorry, can I see that?

6 A. Uh-huh.

7 Q. Okay. That's **the** extent of Dr. **Smith's**
8 office chart, isn't it?

9 A. But the handwriting is sufficiently
10 **illegible** that I can't say that I can read it
11 **anyway**.

12 Q. So you haven't seen any records from any
13 other physicians predating the admission to the
14 hospital?

15 A. Unless they **were** included in these
16 records that I'm **now** holding, no.

17 Q. Can I see that **for** a minute?

18 A. It's **possible** they might have stuck
19 something in from their office and I didn't see it,
20 **but** to **my** knowledge there was nothing substantial
21 there **except for** those **two** hospital admissions.

22 Q. Did **you** bind these records **or** did they
23 come provided to you that way?

24 A. I didn't bind them. They **were** provided

1 that way.

2 Q. I guess to save time, the only question
3 I'm trying to ask is whether you've had an
4 Opportunity to review a Dr. Jackson's records?

5 A. Dr. Jackson wrote several notes here, **but**
6 they **were** not --

7 **a.** Not -- I'm sorry.

8 A. They **were** not to my knowledge records
9 that he took in his office or during any other
10 hospitalization.

11 Q. Okay. **Other** than the medical records and
12 the depositions that **were** submitted to you by Mr.
13 Kampinski, have you received any other
14 correspondence **from** Mr. Kampinski?

15 A. I suspect I have received some letters
16 that accompanied those.

17 Q. Can I see those?

18 MR. KAMPINSKI: No, you can't.

19 Q. Is there -- **were** there any correspondence
20 from Mr. Kampinski which **summarized** testimony of
21 any of the witnesses in the case?

22 **a.** Not that I **recall**.

23 Q. Okay. Was there any communication from
24

1 chronology of events in Mr. Smith's case?

2 A. If there **was**, I don't believe I now have
3 it. I don't remember seeing such a chronology and
4 I don't think that I have seen anything like that.

5 Q. Okay. That takes care of the next
6 question. So then obviously you **didn't** rely on
7 anything in written **form** from Mr. Karnpinski in
8 formulating your opinions?

9 A. **No.**

10 Q. Okay. Throughout the course of this case,
11 have you had occasion to speak with Mr. Kampinski
12 on the phone about the case?

13 A. Yes.

14 a. I'm **not** interested in scheduling your
15 deposition or anything like that. In any of those
16 telephone conversations, did YOU and Mr. Kampinski
17 discuss the events in this case or your thoughts
18 about the events **in** this case?

19 A. I'm sure **we** did.

20 Q. Do you have any **recollection** of any of
21 thoss conversations?

22 MR. KAMPINSKI: You are not asking him
23 about the conversations. You are just asking him
24 if he recalls.

1 MR. CHARMS: Not yet.

2 MR. KAMPINSKI: Go ahead.

3 A. I know they occurred. I believe we had a
4 discussion and I don't remember the date. I might
5 be able to reconstruct it roughly within a few
6 weeks following my review of the **depositions** of the
7 residents, Peters, Gill and Miller, and we had a
8 discussion I believe following my review of the
9 hospital record that **would** have been a separate
10 discussion in the depositions of Lee, Stevens,
11 Smith and **Sims**,

12 Q. You seem to recall at least **two**
13 **conversations** with Mr. Rampinski, one involving
14 your review of the medical **records**; right?

15 A. And the depositions of Sims, Smith,
16 Stevens and Lee.

17 Q. Okay.

18 A. Which I reviewed at the same time, I
19 believe.

20 Q. Okay. What did you **tell** Mr. Kampinski
21 during **that** conversation?

22 MR. KAMPINSKI: Objection. He doesn't
23 have to answer that. **Why** don't you just move on.

24 MR. CHARMS: Instruct the witness to

1 answer the question.

2 THE NOTARY: You are so instructed.

3 MR. KAMPINSKI: You don't have to answer
4 the question.

5 Q. Mr. Kampinski isn't your lawyer, is he?

6 MR. RAMPINSKI: Mr. Charms, get a court
7 order, get a ruling, and then we will come back.
8 If you get it in your favor, then we can deal with
9 that. Why don't you just move on.

10 MR. CHARMS: Fair enough.

11 MR. KAMPINSKI: If you want to know his
12 opinions or what opinions he holds, why don't you
13 ask him that as opposed to what it is he talked to
14 me about.

15 MR. CHARMS: I will get to his opinion,
16 Mr. Kampinski.

17 MR. KAMPINSKI: Good.

18 BY MR. CHARMS:

19 Q. Did you receive any written summaries
20 from Mr. Kampinski with regard --

21 MR. KAMPINSKI: You asked him and he
22 answered already. Why don't you move on.

23 Q. What about statements, any written
24 statements from family members?

1 A. NO.

2 Q. Okay. Did you receive any statements
3 from other physicians other than the depositions?

4 A. No.

5 Q. Okay. Is this the first case of medical
6 malpractice YOU reviewed for Mr. Kampinski?

7 A. I believe so.

8 Q. Could you tell me how many cases of
9 claims of medical malpractice you have reviewed?

10 A. How many **claims**?

11 Q. Or lawsuits? How many times have you
12 been **asked** to review a medical record --

13 A. I don't **know** precisely **but** it suspnct it
14 would be in the range of **thirty**, perhaps **forty**, in
15 that range.

16 Q. Could you give me a breakdown of who you
17 were reviewing for, plaintiffs, people suing
18 doctors **as** opposed to defending tho physician?

19 A. From the time that I began reviewing
20 cases, which **was** 1980, I believe, **till** present, I
21 cannot. But last **year** I did **keep** a record of that,
22 and **it's** 55 percent **for** defense and 45 **for**
23 plaintiffs.

24 Q. **How** many times have you given your -- had

1 your deposition taken in one of these cases?

2 A. Again, I don't know precisely but I
3 suspect **it's** in the range of 15 to 20.

4 Q. Okay. Have **you** had occasion to testify
5 in any cases that were similar to this case?

6 A. **Well**, depending upon how you define
7 similar, yes.

8 Q. Okay. Cardiopulmonary problems in a
9 patient having an elective orthopedic procedure?

13 MR. KAMPINSXI: Objection.

11 A. I don't recall specifically. Yes, I do
12 recall specifically. I have reviewed a case
13 involving cardiopulmonary problems in a **case** that
14 was involving elective orthopedic procedure.

15 Q. Did **you** give a deposition in that case:

16 A. Yes, I did.

17 Q. Can you **remember** the name of that case?

18 A. I should because it was just a couple of
19 **weeks** ago but I don't **remember** the name. It was
20 here in Franklin County.

21 Q. Was that **for** the plaintiff or for the
22 doctor?

23 A. That was **for** the defense, that was for
24 the hospital.

1 Q. Okay. It **was** a couple of weeks ago?

2 A. I think it was **maybe** three weeks ago.

3 Q. Okay. Could you check with your
4 secretary for the name of that case and give it to
5 Mr. Kampinski and I **will** get it from him?

5 A. Certainly, I know the defendant was St.
7 Anthony's Hospital.

8 Q. I notice that on the copies of the notes
9 that **you** made in this case that you made notation
10 of the amount of hours that you spent doing
11 something?

12 A. Correct.

13 Q. What is your hourly rate?

14 A. Two hundred fifty **dollars**.

15 Q. **Okay**. That's for review of **the** records
16 and the depositions; correct?

17 A. Correct.

18 Q. **Okay**. I assume then that the charge for
19 this deposition is **also** two hundred fifty dollars?

23 A. Correct.

21 MR. KAMPINSKI: **Well** make sure you get
22 the Sill.

23 MR. CHARMS: I'm sure you will, Chuck.
24 I'm sure you will. And we will be happy to pay it.

1 MR. KAMPINSKI: I just wanted to assuage
2 any concern you had.

3 MR. CHARMS: I didn't have any concern,
4 thank you.

5 BY MR. CHARMS:

6 Q. As you sit here today, do you have any
7 criticisms of Dr. Lee's care, the anesthesiologist
8 in this case, that aren't contained in your report?
9 I mean, is there anything new?

10 A. Well, very possibly I might have specific
11 criticisms of specific actions. I intentionally
12 was somewhat limited because I didn't want to
13 prepare a 30-page report. So that the exhibit that
14 you are referring to outlines my major criticisms,
15 although certainly as we go through each detail of
16 the treatment of the patient in question, his
17 preoperative assessment, his intraoperative
18 management and his postoperative care, I'm sure I
19 would have many more criticisms that were not
20 specifically outlined in this report.

21 Q. I'm' sorry, are you through?

22 A. Uh-huh.

23 Q. I'm sure Mr. Kampinski told you that the
24 primary purpose of this deposition is for me to

1 find out all of your opinions in the case, so now
2 is the time.

3 A. Correct.

4 MR. KAMPINSKI: Wait a minute. His
5 primary purpose is to answer your questions. If
6 you have specific questions about treatment and
7 care, why don't you ask him, And I think he's
8 responded to your last question, Steve, as best he
9 can.

10 BY MR. CHARMS:

11 Q. I don't mean to be facetious, Doctor.
12 But did Dr. Lee do anything right in this case in
13 your opinion?

14 A. I'm sure he did some things right.

15 Q. All right, Let's talk about -- well,
16 from your previous answer, just in your own mind,
17 you are dividing these criticisms up in three
18 phases; right? Preoperative involvement with Mr.
19 Smith, the intraoperative involvement and
20 postoperative involvement. And that's the way you
21 have it compartmentalized in your mind, Is that
22 fair?

23 A. To some extent. That's generally how I
24 compartmentalize any patient receiving anesthesia

1 care.

2 Q. Okay. Let's talk first about the
3 preoperative evaluation: okay? In **what** ways do you
4 believe Dr. Lee's preoperative treatment of Mr.
5 Smith **fell** below accepted **standards** of care? And
6 if you would do me a favor and take it kind of slow
7 so I can make notes,

8 A. I believe that Dr. Lee when notified that
9 Mr. Smith required an operation was obligated to
10 **see** the **patient** and do a very careful review of his
11 medical records.

12 He did see **tho** patient, **I** believe. **He**
13 did not do a careful review of **the medical** records
14 as indicated by **the fact** that he did not record
15 up-to-date laboratory values, I didn't see any
16 evidence he did a careful assessment of **the patient's**
17 physical condition.

18 THE WITNESS: Can we go off the record
19 for just a **second**?

20 (Discussion held **off** the record.)

21 A. We made no notation of the fact that the
22 patient had **extensive dysrhythmias** following his
23 first operative procedure. He made no notation
24 that the patient had evidence of myocardial damage

1 as indicated by the elevated creatine phosphokinase,
2 specifically --

3 Q. The CPK?

4 A. -- the MB **fraction**. Did not not: that
5 the patient had had recent anemia noted, did not
6 note that the patient had **recently** been vomiting,
7 complaining of abdominal pain.

8 Q. I don't mean to interrupt you, but what
9 is the significance of the recent anemia in your
10 opinion?

11 A. Well, anytime a patient develops an
12 unexplained anemia, there is a possibility of
13 internal bleeding. And of course in a patient with
14 myocardial disease, it's of significance **because**
15 there is a decrease in **the oxygen carrying capacity**
16 of the **blood** making the patient more prone to
17 exacerbation of his myocardial ischemia,

18 Q. What in your opinion is an
19 anesthesiologist **required** to do in a scenario like
20 this **when** he **notes** this recent anemia?

21 A. Well, depending upon the emergency of the
22 operative procedure, he **is** required to note that
23 these **abnormalities** are present, formulate in **his**
24 mind an **evaluation** of the anesthetic risk to the

1 patient, and then discuss that with the surgeon in
2 charge who is scheduling the case and make sure
3 that he is aware of the added **risks** to the patient.
4 And **then** following such a discussion, the two of
5 them **would** have to decide whether or NOT to proceed
6 with **the** operative procedure.

7 Q. So in this case, one of your criticisms
8 of Dr. Lee then is not having that type of a
9 discussion with Dr. Smith, the attending surgeon?

10 A. **Well**, my first criticism is that he was
11 unaware of the patient's condition, and therefore
12 he **likely** didn't see the necessity to discuss the
13 case with him. **But** certainly that would **also** be a
14 criticism,

15 Q. What is the basis of your opinion that he
16 **was** unaware of **these** problems?

17 A. That he recorded false information on his
18 preanesthetic **chart** and did not record the
19 appropriate positive facts on the chart.

20 Q. **Okay.**

21 A. I would like to correct **that**. He didn't
22 record false information. Did he NOT record
23 accurate information.

24 Q. **Okay.** I **had interrupted** you when you

1 were starting to talk about no notation of an
2 episode of vomiting and you were telling me about
3 that. **What** is the significance of thst?

4 A. I don't think i said that he didn't note
5 there **was** an episode of vomiting. I think the
6 patient actually had a couple of **episodes** of emesis.

7 Q. That's vomiting; right?

8 A. Yes. And that was not noted on the chart
9 and in **view** of the patient's complaints of
10 abdominal pain, dropping hematocrit, one would be
11 concerned about gastrointestinal bleeding, and in
12 addition to that one would have to be concerned
13 about the possibility of bowel obstruction,
14 **especially** in a patient who I believe had had
15 previous abdominal surgery. I'm not sure of that,
16 but certainly any prudent anesthesiologist would
17 **look** into that.

18 Q. Why? What would the purpose of looking
19 into that be?

20 A. The patient has bowel obstruction, he's
21 at marked increased risk for vomiting and
22 aspiration during induction of anesthesia, both
23 spinal and general anesthesia.

24 Q. Is that **just** somebody **who** is obstructed

1 or has a history of prior bowel obstructions?

2 A. I don't understand your question.

3 Q. Okay. I'm sorry, maybe it wasn't **clear**.

4 What if a patient has a history of bowel
5 obstructions in the **remote past** that the physicians
6 treating him at that time were unaware of? Would
7 that **fact be** significant in your evaluation of the
a GI -- the abdominal complaints this **fellow** had?

3 A. You know, you **threw** in the proviso the
10 physicians **were** unaware of it. If a patient has a
11 history of past bowel obstruction, then that
12 **clearly** is significant because **he's at marked**
13 **increased risk** for repeat episode of bowel
14 obstruction. I'm not sure I understand why you
15 said that the physicians **were** unaware of it.

16 Q. I was just **asking** --

17 A. The significance of that is not clear to
18 me.

19 Q. I just asked you to assume that, Doctor.
20 **Yell**, obviously the place where you get
21 the history is from the patient, right, you as an
22 anesthesiologist?

23 a. No. I get the history not only **from** the
24 **patient**, certainly I try to do that, but also **from**

1 family, also from the medical record and also from
2 the patient's physician.

3 Q. Okay.

4 A. And **anybody** else that might be able to
5 help, the nurses on the floor and so on.

6 Q. All right. We were talking about vomiting,
7 abdominal pain and SI bleeding in the context of
8 your preoperative criticisms of Dr. Lee. **Have** you
9 **told me** all you **wanted** to tell me about the GI
10 bleeding? Is there anything else that you are
11 critical of Dr. Lee with regard to the bleeding,
12 the **emesis**?

13 A. **Well**, I'm not sure I understand the
14 question again. I think that's a **very** significant
15 fact that he **was** unaware that he was anemic, he was
16 unaware of the fact that he was having GI **problems**
17 which would have significant impact on his
18 anesthetic management,

19 Q. Those are inferences that you draw from,
20 what, from the record itself **or from a review of**
21 the record and Dr. Lee's **deposition**?

22 A. Certainly I can draw **those** inferences
23 **just** from the record **alone**, but then **also** from his
24 deposition that corroborates that opinion.

1 Q. Okay. What else with regard to the
2 preoperative evaluation of Mr. Smith? What other
3 criticisms of Dr. Lee do you have?

4 A. Well, it was an inaccurate preoperative
5 assessment and it was an incomplete one. And I
6 think that **those** are both of significance, he did
7 **not** record **the** chest x-ray findings, he did **not**
8 record when the patient last ate. He gave the
9 **patient** an **A.S.A.** physical status of three which I
10 think **was** inappropriate and inaccurate.

11 Q. What do you think his **A.S.A. risk or**
12 **physical status** should have been?

13 A. I think it should **have** been four, and
14 since Dr. Lee has claimed later it **was** his
15 understanding that this was an emergency, he should
16 have ranked it as an emergency. In my opinion, I
17 don't believe he thought it **was** an emergency and
18 that's why he **didn't** circle E. The fact that he
19 circled three but didn't circle E would indicate to
20 **me** that he did not **believe** it was an emergency,

21 Q. Okay.

22 A. And I doubt seriously, although this is
23 an assumption on my part, that his statement
24 discussed **about spinal**, patient accepted the idea

1 and risks explained, / doubt seriously that the
2 risks were explained accurately to the patient
3 **because** I don't think Dr. Lee knew what the risks
4 were, so he therefore could not have **discussed** them
5 in detail with the patient.

6 Q. What in **your** opinion is the significance
7 of not recording the chest x-ray findings?

8 A. The significance is that it just **is** one
9 of many points indicating that this is an
10 inaccurate and incomplete preoperative assessment.

11 Q. Is there anything in the chest x-ray
12 itself that you consider significant in Mr. Smith's
13 case?

14 A. Only the fact as we have already **discussed**
15 that he did appear to have **some** enlargement of his
16 heart which would **mean** to me that he had a tenuous
17 cardiovascular system and that he should have
18 attempts made to prevent **both** hypo and hypertension
19 intraoperatively.

20 Q. Okay. You also are critical of Dr. Lee's
21 **failure** to **document** when Mr. Smith **last** ate, Again,
22 other than the overall criticism of his record keeping
23 what is the significance of when Mr. Smith last ate
24 in this case?

1 A. The **fact** that he left that blank, didn't
2 **make** any recording at all, **would lead** me to believe
"3 that he was not considering **the** increased risks of
4 vomiting and regurgitation in this patient likely
5 because of the misbelief that **spinal** anesthesia is
6 not associated with an increased risk **for** vomiting
7 and regurgitation.

3 Q. Is it your opinion that postoperatively,
9 Mr. Smith regurgitated his gastric contents? Is
10 that what you are saying?

11 A. That's correct,

12 Q. Okay. And then he aspirated then?

13 A. It appears that he did.

14 Q. Okay. Unfortunately we don't have an
15 **autopsy** to confirm any **Of** this and I'll get to that
16 opinion in a **few** minutes,

17 A. No. But gastric contents **were** suctioned
18 from his endotracheal tube which is **more conclusive**
19 than an autopsy would have been in any case.

20 Q. I'm sorry, what were you **looking** for,
21 **Doctor?**

22 A. I was looking for the anesthesia record,
23 anticipating that **that would** be the next area you
24 **would** want to discuss.

1 Q. Not quite. I have got a few questions,
2 specific questions to ask you about your
3 preoperative criticism, then we **will** move on to the
4 intraoperative stuff.

5 One of your preoperative criticisms is
6 the failure of Dr. Lee to appreciate the
7 possibility of a myocardial infarction after the
8 first surgery that Mr. Smith had on November 14th;
9 right?

10 A. I don't know that it **was** after. It was
11 in the perioperative period of that operation.

12 Q. I'm sorry, the question wasn't clear.
13 I'm not talking about when Mr. Smith **actually** had
14 the heart attack. Dr. Lee's -- your criticism of
15 Dr. Lee not realizing it after the fact is all I
16 was trying to get at.

17 A. **Correct.**

18 Q. Okay. The elevation in the CPK and the
19 MB fraction, is that the primary piece of evidence?
20 you use to conclude **that** Mr. Smith experienced a
21 heart attack either in the first surgery on
22 November 14th **or shortly** thereafter?

23 A. That's one of several bits of information
24 that I have used and **it's** a significant bit of

1 information. It's certainly not the only one.

2 Q. All right. Because I have **some** specific
3 questions about the enzymes. But before I get to
4 that, what are *the* other pieces of information?
5 You **make** reference in your report to periods of
6 hypotension during the first surgery.

7 A. Right. He had periods of hypotension
8 that would **be** somewhat unexpected and necessitated
9 vasopressor therapy. He had significant hypoxemia
10 quite likely secondary to heart failure during the
11 intraoperative period.

12 Q. Wait a second. You are moving a little
13 too fast for me. I'm sorry. **He** had hypoxemia
14 secondary to heart failure?

15 A. (The witness nods head up and down.)

16 Q. **Okay, I'm** sorry. Go ahead, sir.

17 A. He had an unstable cardiovascular course
18 in the intensive care unit. It was felt by the
19 **treating** physicians that he required a Dopamine
20 infusion **for** sometime in the postoperative period.
21 He had continued arterial hypoxemia in the surgical
22 intensive care unit postoperatively.

23 Q. Did he **have** continued heart failure'?

24 A. Quite likely,

1 Q. Okay.

2 A. And did I mention he had the dysrhythmias?

3 Q. You mentioned it earlier.

4 A. This was a --

5 Q. What different dysrhythmias than he had
6 preceding the surgery?

7 A. I have to review the nurse's notes to be
8 completely accurate, but I believe that he had
9 bouts of bigeminy and trigeminy.

10 B- Those weren't noted anywhere before going
11 to surgery, at least based on your review of the
12 records?

13 A. Not that I'm aware of.

14 Q. Okay.

15 A. I believe that's accurate.

16 Q. Okay. Now have we covered all of the
17 things in the chart that leads you to conclude that
18 Mr. Smith experienced an infarct either during the
19 November 14th surgery or shortly thereafter?

20 A. Yes, plus we have to add to that, of
21 course, the fact he had an elevated CPK/MB fraction.

22 Q. You already told me about that, okay.

23 Heart attacks evolve over time, don't
24 they, myocardial infarctions?

1 A. Well, that's certainly a true statement.
2 The period of time can vary considerably, however.

3 Q. Prom what to what?

4 A. I think if **you** have complete **occlusion** of
5 a **coronary** vessel, you could have ischemic changes
6 and then evolving heart **muscle** damage within a
7 matter of **minutes**, or you might **have just** a
8 progressive ischemic insult over a **period** of hours
9 if **you** have partial occlusion or you have increased
10 **load** on the heart with inadequate **oxygen supply**.
11 So **I would** imagine it would range from minutes to
12 hours.

13 **3.** Could infarcts evolve over days?

14 A. I don't know. I'm not a cardiologist,
15 but I suspect that **they** could.

16 Q. **Okay.** On the enzymes, other than the CPK,
17 what other enzymes are there that a physician **would**
18 look to for **assistance** in whether a **patient** has
19 experienced a myocardial infarct or some **heart**
20 injury?

21 A. To my knowledge today, there aren't other
22 enzymes **you** would look **for**. In the past LDH was
23 **measured** and some others, but I think the MB
24 fraction is so specific that that is the one that's

1 utilized now.

2 Q. Okay. Now, I want to talk about November
3 of 1984; okay? Are you telling me that in your
4 opinion the only enzyme to look to in 1984, in
5 November of 1984, was the MB fraction of the CPK?

6 a. No. I don't think I said that.

7 Q. Okay.

8 a. And I don't think I -- what I'm saying is
9 the MB fraction is sufficiently specific that at
10 least in my practice and to my knowledge there is
11 no need to look for other enzymes. There may be
12 others that are available, there may have been
13 others available in 1984 that I am unaware of.

14 Q. Okay. But you mentioned the LDH and you
15 said there were others. What other enzymes could
16 you look to?

17 a. I don't recall now. When I was a medical
18 student it seemed there were several laboratory
19 tests that were ordered, out they were sufficiently
20 nonspecific that they weren't of very great help.

21 Q. Okay. If all of the enzymes were
22 elevated, what significance would that have in your
23 opinion?

24 a. All of what enzymes?

1 **a.** All of the enzymes that you would look to
2 **for** cardiac damage including the LDH?

3 A. Well, I wouldn't look to the LDH. That's
4 **what** I said. The **only** one I would look **for** is the
5 MB fraction **of** the CPK.

6 Q. Well, there are other physicians who
7 would **look** to other enzymes as **well** as the CPK?

8 A. I'm sure they would.

9 Q. I guess my question to **you** then is what
10 would the significance be to physicians as a **whole**
11 to having elevation of all of the enzymes?

12 A. Which enzymes are **you** referring to?

13 Q. 'fhe LDH, for example. **Let's** assume the
14 LDH was **also** elevated.

15 A. I can't speak to what **impression** other
15 physicians would derive from that.

17 Q. To you it's irrelevant?

18 A. What, an elevated LDH? It **might** mean
19 there is liver damage, it **night** mean there is
20 pulmonary damage.

21 Q. All right. Do the **enzymes** go up *or* are
22 they known to go up when somebody goes through the
23 trauma of surgery?

24 A. Well, certainly **the** CPK goes up because

1 that goes up anytime there is **muscle** damage.

2 Q. Okay.

3 A. But it's my impression that the MB
4 fraction only goes up when there is myocardial
5 damage. That's specific for the heart.

6 Q. Okay. Is there a ratio that doctors look
7 to with regard to **the** enzymes?

8 A. I don't believe it's a ratio, It's usually
9 recorded as a percentage of the total.

10 Q. Okay, That's not the MB fraction?

11 A. Yes, the MB fraction is usually reported
12 as a percentage of the total rise in CPK -- or the
13 total value of CPK, not the total Tis-?,

14 Q. Sir, on page **two** of your report, the
15 first full paragraph, okay, you say: In summary,
16 Mr. Smith likely suffered a significant degree of
17 myocsr dial injury during the first surgery. Can
18 **you** quantify the extent of the injury he
19 experienced?

20 A. No.

21 Q. Can you quantify further then your
22 statement it was significant, a significant degree
23 of injury; right?

24 A. No, I can't.

1 Q. You have to **bear** with me, Doctor, I have
2 a lot of questions for you.

3 You told me a few minutes ago that you
4 felt that Mr. **Smith** experienced **SOME** hypoxemia,
5 arterial hypoxemia and continued heart failure
6 after the first surgery. Is it your opinion that
7 that -- those **conditions** continued up to and
8 including the time that Dr. Lee gave him anesthesia?

9 A. In my opinion to **some** extent, he had
10 continued heart failure,

11 Q. To what extent?

12 A. I don't know to what extent. I can't
13 answer you with that specifically, but it would be
14 quite unlikely in view of his past **history** for him
15 to have significant myocardial **damage** with his
16 dysrhythmias **and** then return to **completely** normal
17 state **by** the **second or** third postoperative day. So
18 that's why I am inferring that he **still** had some
19 **continued** dysfunction,

20 Q. Well, you are not suggesting, though,
21 that after having **experienced** the heart attack on
22 November 14th, that Mr. Smith was going to return
23 **to the status quo physically** from **before** that
24 surgery, are you? Maybe my **question isn't** clear.

1 A. That he ever would, you mean?

2 Q. Yeah.

3 A. He certainly might return to close to the
4 state that he was before depending upon how severe
5 his infarct was.

6 Q. We don't know if that **was** a transmural
7 infarct or a nontransmural infarct?

8 A- No. Because **of** lack **of** follow-up, we
9 don't have any way of assessing. We can say that
10 since he had an elevation of the MB fraction of the
11 CPK within hours of surgery that it was quite
12 likely a very significant insult because those
13 enzymes don't **generally** rise for a period of hours
14 after the insult. And he had an **elevation**
15 relatively soon after that procedure.

16 Q. Do you recall from your review of the
17 records how soon **after** surgery the enzymes were
18 elevated or reported as elevated?

19 A. It was reported, I believe, at 2:00 in
20 the afternoon on the 14th and I believe his
21 **operative** procedure ended on -- at 1:00. And
22 that's **just** really unusual to have an elevation
23 that soon after injury. Usually we wait **six** hours
24 to do the first **test**.

1 Q. So in your opinion, the fact that the CP --
2 the MB fraction of the CPK **was** elevated within an
3 hour of surgery **leads** you to conclude that it was a
4 myocardial infarct that caused that rise?

5 A. Well, **it** was severe **myocardial** cell
6 injury which **probably** was an infarct, and **it's**
7 possible that he had that injury at 9:00 in the
8 morning so it may have been really four hours
9 before **it** rose. We have no way of knowing.

13 Q. I want to get to the anesthesia record
11 because -- are we on **the** same page here?

12 A. **It appears** so/ yes.

13 Q. Will **you** show me -- **it's** the anesthesia
14 record for the 14th, are you talking **about** the drop
15 in blood **pressure** at 9:00, **th's** the hypotension at
16 9:00?

17 A. He had some drop in **blood** pressure before
18 9:00, but the most significant fall **is** recorded as
13 being about 9:05.

20 Q. And that was **what** again?

21 A. When **it** goes down to 73 and stays there
22 for approximately fifteen minutes.

23 Q. That's systolic; right?

24 A. That's **correct**.

1 Q. And diastolic was down to 45 or so?

2 A. Correct.

3 Q. And that stayed there for fifteen minutes?

4 A. But then he had three other episodes
5 where his **blood** pressure fell to or slightly below
6 a hundred as well.

7 Q. Are periods of hypotension acknowledged
8 as a consequence of giving a patient general
9 anesthesia?

10 a. Anesthesia certainly can lower blood
11 pressure and there is **no** question that in a
12 hypertensive **patient**, especially one who is poorly
13 **controlled** as was Mr. Smith, those **episodes** are
14 more frequent.

15 Q. Well, you believe then **that** when Mr.
16 Smith went to surgery on November 14th, 1984, **that**
17 his hypertension was poorly controlled?

18 A. I do believe that, yes.

19 Q. Was it inadequately controlled?

20 A. It **was** borderline.

21 Q. Well, do you have any **criticism** of any of
22 the physicians **for taking** Mr. Smith to surgery on
23 **November 14th**?

24 A. You mean do I find that doing so fell

1 below the standard of care?

2 3. Yes.

3 A. NO.

4 Q. That's, what, a judgment to take him?

5 A. Oh, I think so, yes. I think that the
6 anesthesiologists there were told that he was
7 controlled in spite of the fact that he wasn't, and
8 that they had an internist who claimed that he was.
9 And I don't believe that they would **have** been
10 appropriate in saying -- in refusing to give
11 anesthesia.

12 Q. Okay. I guess I'm asking a broader
13 question. So that I understand it, as relates to
14 the surgery on the 14th, you don't have a criticism
15 of the anesthesiologist because he had a medical
16 man giving **clearance**; right?

17 A. Where, on the 14th?

18 A. Right.

19 A. Not because of that, no. He had an
20 internist who **told** him **his** blood pressure was
21 controlled.

22 Q. Right.

23 A. In my opinion, internists don't truly
24 clear **patients for anesthesia**. That's a judgment

1 the anesthesiologist must make **ONCE** he's given the
2 information by the other experts caring for the
3 patient.

4 Q. well, that raises another question that I
5 **wanted** to **ask** you. What do you see as the roles of
6 the various physicians in the preoperative
7 evaluation **and** taking -- and then subsequently
8 taking a patient to surgery? Ana **by** that I mean
9 the internist, the surgeon and **the** anesthesiologist.

10 A. Which operation are you referring to?

11 Q. Any elective surgery. All I'm trying to
12 get at is the interplay between the three doctors.

13 A. That can vary extensively **from** situation
14 to situation. I think it would **be** impossible **for**
15 me to give **you** an answer that would cover **all**
16 eventualities.

17 Q. **Fair** enough. Then **it's** your opinion that
18 the anesthesiologist clears for anesthesia?

19 A. I don't think he clears it, **He's** the **one**
20 that's going to **be** giving the anesthesia **and** he
21 certainly has to do an evaluation and decide how
22 he's going to **manage** the anesthesia, and he clearly
23 is **the** one who is going to have to decide whether
24 **he's** going to give anesthesia or not for an

1 operative procedure.

2 Q. Okay.

3 A. So if you want to **call** that clearing, I
4 guess so.

5 Q. Okay. For lack of a better term, I'm
6 thinking about three different subsets of **players**.
7 One, a medical man giving medical clearance to go
8 forward with surgery; two, the surgeon giving his
9 part in the **process** surgical evaluation, and the
10 anesthesiologist clearing for anesthesia, if you
11 will; **all** right? Do you understand what I'm trying
12 to get at?

13 A. I understand **what** you are saying, and I
14 disagree. I don't think an internist can give
15 clearance. I know that happens in some places and
16 some anesthesiologists are willing to take an
17 internist's word this patient is clear for
18 anesthesia and surgery. I think that's
19 inappropriate.

20 Q. On whose part, the anesthesiologist?

21 A. Both of them. I don't think an internist
22 in general **has** the qualifications or the experience
23 to **assess the** risks, hazards and techniques that
24 are **employed** with anesthesia, so I don't think they

1 can clear them. All they can do is pass on
2 information to the anesthesiologist regarding the
3 patient's medical condition, and they certainly
4 also have responsibility for optimizing a patient's
5 medical condition before an elective operative
6 procedure.

7 Q. Are you making any distinction between an
8 internist and a cardiologist or any **medical** man?

9 A. Any other physician,

10 Q. Okay.

11 A. The anesthesiologist has a responsibility
12 **for** evaluating the patient's condition, and anybody
13 that can give information that would *be* helpful in
14 that process I think **would** be appropriate.

15 Q. Okay. Have we exhausted all of the
16 preoperative criticisms that you have of Dr. Lee?

17 A. Well, roughly, yes. ~~We~~ **talked** about *the*
18 fact he **didn't** consult with a surgeon. He **claims**
19 **he** was told **it** was an emergency, although I don't
20 really think he believed **it was** an emergency. If
21 he **did**, however, in any case, whether he thought it
22 was emergent or **not**, I think he really should have
23 contacted the attending surgeon and discussed in detail
24 the **severe** anesthetic **risks**.

1 ? What **were** the severe anesthetic risks?

2 A. Death,

3 Q. Okay. From spinal?

4 A. Not **from** the spinal. From exacerbation
5 of myocardial ischemia, **which** also could be
6 dysrhythmias or --

7 MR. KAMPINSKI: I want you to understand
8 something at this point, Mr. Charms. When you ask
9 him questions such as is that all of the problems,
10 I don't understand your question to attempt to
11 limit any questions I may have of Dr. Downs at the
12 time of trial.

13 Certainly he'll respond to any questions
14 I put **to** him at that time, and you know if I ask
15 him about **something** that **you** haven't or that he
16 hasn't thought of, I don't understand you to say
17 that can't be done. He's trying to respond as
18 **accurately** as he **can** to you.

19 MR. CHARMS: I certainly **appreciate** that,
20 Mr. Kampinski, but you know this is a **discovery**
21 **deposition** of an expert and this is *just* my
22 opportunity to try to get all **the** opinions that you
23 **hold** in **this case**. You know, I'm not trying to
24 **play games** with you or Mr. Rampinski at all.

1 MR. KAMPINSKI: Okay.

2 MR. CHARMS: I just want to get your
3 opinions.

4 BY MR. CHARMS:

5 a. So you said death from exacerbation of
6 the myocardial damage; right?

7 A. Yes. And also from dysrhythmias and
8 a heart failure.

9 Q. You told me earlier that in your opinion
10 Mr. Smith regurgitated and aspirated his -- the
11 food that was in his stomach?

12 A. Well, it probably wasn't food. It was
13 probably just gastric secretions.

14 Q. Hell, do you have an opinion as to which
15 of those problems caused Mr. Smith's death?

16 A. Oh, I think there are many things that
17 caused his death, and those just were contributing
18 factors.

19 Q. So you think all of the myocardial damage,
20 the -- the physical damage to the heart! the
21 electrical problems and the aspiration of gastric
22 content all contributed to cause Mr. Smith's death?

23 A. Plus some other things too. It's sort of
24 like standing a man in front of a firing squad and

1 asking which bullet killed him.

2 MR. CHARMS: I would like to take a quick
3 break if it's all right with you?

4 (Thereupon, a brief recess was taken.)

5 - - - -

6 BY MR. CHARMS:

7 Q. I want to talk about your opinions
8 postsurgery on November 17th in the recovery room.
9 And before I do, just a couple of questions. Do
10 you believe that Mr. Smith went into pulmonary
11 edema after surgery on the night of November 17th?

12 A. He probably did.

13 Q. Okay.

14 A. There is no question he did as a terminal
15 event.

16 Q. Do you believe that he also had a
17 myocardial infarction after surgery on the 17th?

18 A. Whether or not he had an infarct would be
19 difficult for me to say. There is no question he
20 had severe heart failure.

21 Q. Okay. Which in your opinion came first,
22 the pulmonary edema or the heart attack or heart
23 failure?

24 A. Well, I think he had heart failure. He

1 had pulmonary **edema** and **then** he had hypoxemia and
2 then he had exacerbation of his heart failure, and
3 I think it was just a vicious cycle.

4 Q. Aspiration of gastric contents can cause
5 acute pulmonary edema, can't it?

6 A. That's correct.

7 Q. And acute pulmonary edema can also cause
8 an infarct?

9 A. Not directly.

13 Q. Okay. **As** a consequence of the edema, you
11 can experience an infarct, a patient can experience
12 an infarct?

13 A. 4 patient with aspiration pneumonitis may
14 in fact have sufficient hypoxemia **that** myocardial
15 failure and myocardial infarction can occur.

16 Q. Okay. In your report, you make reference
17 to one criticism of Dr. Lee's failure to
18 appropriately monitor his cardiopulmonary status
19 before, during and after the surgery on November
20 17th. **Am I** correct that **we** have discussed already
21 your criticisms about the preoperative failure to
22 appreciate his cardiorespiratory status?

23 A. Yes, but we didn't discuss his
24 preoperative monitoring of the patient at **all**.

1 Q. Okay. So you are also critical of his
2 preoperative monitoring of the patient?

3 A. Yes.

4 Q. Okay. In what way are you critical of
5 his preoperative monitoring?

6 A. Well, I believe that in view of the
7 patient's recent myocardial injury, it was
8 **absolutely** essential that continuous blood pressure
9 monitoring be instituted **before** any anesthetic is
10 induced, be it general or spinal.

11 Q. Just a cuff or are you talking about --

12 A. **No.** Continuous blood pressure. That can
13 only be done -- in 1984 **could** only be done with an
14 invasive.

15 Q. Swan-Ganz?

16 A. No. With an arterial catheter **placed** in
17 **an artery.**

18 I also believe that he should have had a
19 pulmonary artery catheter in place to monitor his
20 pulmonary artery occluded pressure.

21 Q. What **do** you believe **those would have**
22 **shown?**

23 A. **Hell, we don't** know now. His blood
24 pressure **would** have **shown** whatever the blood

1 pressure cuff was recording probably, and the
2 pulmonary artery catheter probably would have **shown**
3 a pretty significant degree of left ventricular
4 dysfunction, **possibly** inappropriately decreased
5 cardiac output. Considering his **anemia**, his
6 cardiac output should have been very high with his
7 anemic state but probably wasn't, but possibly a
8 low or elevated pulmonary occluded pressure. There
9 is **just** no way of guessing. That's **why** you need to
10 put the catheter in so you can appropriately take
11 care of the patient.

12 **a.** Okay. Now I want to ask you about the
13 postoperative monitoring, which is your criticism
14 of Dr. Lee?

15 **A.** It should have been the same as pre. He
16 should have had an arterial line in **place**. He
17 should **have** had a pulmonary **artery** catheter in
18 place. He should have been assessing his **blood**
19 gases, both arterial and mixed venous optimally,
20 although I will not fault him **for** doing the mixed
21 venous.

22 **Q.** But you do fault him --

23 **A.** **The** arterial line and the Swan-Ganz
24 catheter, definitely.

1 Q. Now, there were a couple --

2 A. He should have gone **to** the intensive care
3 unit directly from the operating room and not to
4 the recovery room.

5 Q. There were a couple of arterial **blood**
6 gases done in the recovery room?

7 A. I **was** only aware of one.

8 Q. It may only be one. Can you take a
9 minute and look at **that**?

10 A. Yes, sir.

11 The recovery room records is **what it is**.

12 MR. ZELLERS: We are talking about the
13 17th **now**; is that right?

14 MR. KAMPINSKI: Yes.

15 A. Yes.

16 **A.** The only **lab** I see is page 122 of my
17 record.

18 MR. KAMPINSKI: Okay. His numbering is
19 **different** than yours though. 122?

20 MR. CHARMS: Yeah.

21 A. **Well**, it's also in the recovery room
22 nurse's note, it's charted there as well. In fact,
23 I may -- no, that's definitely **not** the one I was
24 talking **about**. This is **after** he was intubated I

1 think. So he did have two then because there **was**
2 one before he **was** intubated and that's the one I
3 was -- at 10:57 his P32 was 33.6, PCO2, 37.7, and
4 pH 7.326.

5 Q. And what is that?

6 A. That's in the recovery **room** notes.
7 **That's** it, that's the one.

8 Q. What do those **blood** gases tell you?

9 A. The patient has severe arterial hypoxemia,
10 marked anemia with a **hemoglobin** of 6.7, inadequate
11 ventilation, and a moderate **degree** of metabolic
12 acidosis **which** may or may not be a reflection of
13 inadequate **perfusion**.

14 Q. Inadequate perfusion where?

15 A. Of the body. Inadequate cardiac output,
16 in other words.

17 Q. Well, do you have an opinion as to
18 **whether**, if appropriate postoperative monitoring
19 **was** in place, Mr. Smith would have survived **all** of
20 this?

21 A. You mean after he already went to the
22 operating room?

23 Q. Right, hits the recovery room.

24 A. **He** hits the recovery room with his

1 neosynephrine drip running and then had perfect
2 care thereafter, would he have survived?

3 Q. Yes.

4 A. I don't know.

5 Q. You don't have an opinion?

6 A. I have an opinion that the likelihood of
7 him surviving would have been infinitely better
8 than it **was** given the care that he got. But at
9 that point in **time**, whether or not he had passed
10 the point of whether or not he could **be** salvaged is
11 impossible for one to predict.

12 But I would say that the odds of him
13 surviving were probably -- *thzy* were still
14 **favorable** in that, I mean, it **wasn't** 90 percent
15 certain he wasn't going **to** die **after** that second
16 operation.

17 And again I'm going by **just** the
18 statistics that have been reported in the
19 literature. Somebody who has had a recent
20 **myocardial** infarction and gets an anesthetic, his
21 chance of reinfarcting and dying from that are in
22 the range of **probably** 30 to 50 percent roughly, and
23 I would give him the same odds when he **rolled** into
24 the **recovery** room and given perfect care.

1 Q. 53/52?

2 MR. KAMPINSKI: He said 30 to 50.

3 A. Somewhere between -- I think his chances
4 of surviving would be somewhere in the range of 50
5 to 70 percent if he got perfect care. Of course
6 **it's** impossible for me to predict.

7 Q. Is there some distinction in your mind
8 between standard of care and perfect care?

9 A. **Yes.**

10 Q. Okay. Now, assuming that he got **standard**
11 of care once he hit the recovery room?

12 a. I would have to decrease those odds
13 **considerably.**

14 Q. To what?

15 A. I can't give you an accurate number. I
16 mean, if you ask me today and tomorrow, **I'll** give
17 you **two** different numbers. Maybe if I said 50 to
18 70 before, maybe his odds would fall down **to** 25 to

20 Q. Okay. In your report, you indicate that
21 when he hit the recovery room or shortly thereafter,
22 Mr. Smith's cardiopulmonary status **was** severely
23 **compromised.** I think that's **the term** you used in
24 **your** report. My **question** to you **is how was it**

1 compromised from before the surgery?

2 A. Well, he had been given a spinal
3 anesthetic and had been rendered severely
4 hypotensive in my opinion probably to a much
5 greater degree than the anesthesia **record** reflects,
6 **which** severely compromised his cardiac function.

7 Q. I don't mean to interrupt you, sir. Are
8 **you** suggesting that Dr. Lee's anesthesia record is
9 wrong, has been altered?

10 A. No. I'm not suggesting it's been
11 **altered** at all. I'm suggesting it's not accurate.

12 a. What leads you to conclude that his
13 anesthesia record on November 17th is not accurate?

14 A. The fact that Dr. **tee** had administered
15 ephedrine, epinephrine and neosynephrine, which is
16 extremely unusual therapy for a single bout of
17 hypotension.

18 I wish I had these in -- I haven't
19 memorized them sufficiently, 'Thank you.

20 For a single isolated bout of hypotension
21 that lasted for less than five minutes, as an
22 **example**, in the previous anesthetic, there were at
23 least **four** episodes of hypotension much worse than
24 that, and they treated it with ephedrine alone.

1 But yet he used ephedrine, epinephrine and
2 neosynephrine first thing and he reported pulse
3 levels **that** don't alter at all and blood pressure
4 dipped **down** and responded back just perfectly.

5 Q. So you infer from the medications that
6 were given in the record that the record has got to
7 be inaccurate?

8 A. I think that *he* has not recorded **all** of
9 the blood pressures that **probably** occurred.

10 Q. All right. You were telling me -- I was
11 asking you about why his cardiopulmonary status **was**
12 **severely** compromised **from** before, and you were
13 telling me -- now we are talking about the recovery
14 room.

15 A. That's right.

16 Q. He was given a spinal and he **was** severely
17 hypotensive?

18 A. Because of his sympathetic **innervation**,
19 the **lower** half of **his** body had **been** interrupted.

20 Q. What kind of block did Mr. Smith get?

21 A. Spinal.

22 Q. Was it sympathetic or motor?

23 A. It would have been both. **Do you** want me
24 to continue **with** my answer?

1 Q. Yes, please,

2 A. Following the sympathetic block, he then
3 had an infusion of neosynephrine, which will
4 markedly increase left ventricular afterload.

5 Q. How does it do that?

6 A. Constricts the blood **vessels** and will
7 increase the workload on the **left** ventricle
8 significantly.

9 In addition, it appears that his anemia
10 **was** worse after the operation than **it was before**
11 since his hemoglobin **level** had fallen to six point
12 seven **grams** percent. His arrhythmias were apparently
13 worse than they **were** before operation.

14 Q. What's the basis for that statement?

15 A. I believe that the nurse repeatedly
16 referred to dysrhythmias.

17 Q. 'The bigeminy and **trigeminy**?

18 **a.** PC, PVCs, trigeminy.

19 Q. Do you know if Mr. Smith had experienced
20 any **of those** arrhythmias prior to going to surgery
21 on **November 17th**?

22 A. Whether he had on that particular day I
23 don't **recall**, **but** he certainly had in the **SICU**.
24 **Dr. Lee** didn't note that in his anesthesia record,

1 I don't believe, She admitting nurse in the
2 recovery room said when the patient came in, he **was**
3 short of breath, **that** he had atrial fibrillation
4 with uncontrolled ventricular response and frequent
5 multi-focal PVCs.

6 Q. What does that mean to you, sir?

7 A. Well, just what it says. That he had a
8 **rather** irregular chaotic atrial rhythm with
9 variable ventricular response and frequent
10 premature **beats** which would not result in perfusion.

11 Q. Okay.

12 A. That's what it means to me. So those are
13 the reasons that I believe he was in an altered
14 cardiopulmonary status from preop.

15 Q. Okay.

16 A. Also I should mention that the **nurse**
17 noted on admission **that** he was cool and diaphoretic
18 and **yet** the nurses noted when he left the recovery
19 room that **he was** warm and **dry**.

20 Q. What **do** those notes of **cool** and
21 diaphoretic and shortness of breath, what do those
22 **mean** to you?

23 A. **Those** mean to me he had a marked decrease
24 in cardiac output, he **was** not perfusing his

1 periphery well.

2 Q. What in your opinion was causing thit
3 decrease in cardiac output'?

4 A. Probably the neosynephrine infusion.

5 Q. What other causes --

6 A. And heart failure added to that.

7 Q. All right. And you go on to talk about --
8 is that it in terms of your opinion as to why his
9 cardiopulmonary status was severely compromised?

10 A. I think those are the major portions of
11 it.

12 Q. Yell, is there anything else?

13 A. If there is, I can't think of it now, but
14 if I do I sure will let you know.

15 Q. Okay. Thank you.

16 Then you talk about again failing to
17 adequately monitor his status. Is that just a
18 reference back to the notion that he wasn't being
19 monitored with an arterial catheter and a pulmonary
20 artery catheter or are there other criticisms of
21 monitoring?

22 A. Yes. I found no evidence that he
23 monitored his breath sounds or his heart rhythm.

24 Q. Dr. Lee --

1 A. Dr. Lee. He did have an EKG on. Whether
2 he **was** looking at it or not --

3 Q. I'm talking postoperatively now, not in
4 the operating room.

5 A. I'm **sorry**, I thought you were still in
6 the transition phase.

7 Q. No.

8 A. In **the** recovery room, blood pressure,
9 again, was monitored inappropriately.

10 Q. How so?

11 4. The dynamap rather than invasively and
12 continuously. There was no assessment of cardiac
13 function other than blood pressure and EKG to
14 **monitor** rhythm. They did not order **twelve-lead** EKG,
15 I don't believe, at that point in time.

15 Q. You believe **all** of that is required
17 practice?

18 A. In this patient?

19 Q. Yes.

20 A. Absolutely.

21 Q. Okay.

22 A. And I think a chest x-ray should have
23 been ordered. I think blood gases should have been
24 **ordered**.

1 Q. Okay.

2 A. And appropriate support should have been
3 instituted.

4 Q. What is the appropriate support that
5 should have been instituted?

6 A. It depended on the values that came back
7 from all of those monitors.

8 Q. Now in looking at the case in hindsight
9 and again without benefit of an autopsy, what kind
10 of support do you think should have been instituted?

11 A. Well, I suspect that positive pressure
12 breathing of some sort would have been required.
13 There is no question that the neosynephrine infusion
14 should have been discontinued before it was, I
15 believe it ran for forty-five minutes before it was
16 discontinued, although I'm not sure of that.

17 MR. KAMPINSKI: 5:40?

18 A. 5:40. So it was only fifteen minutes,
19 I'm sorry. So clearly he didn't need it when he
20 went into the recovery room. His blood pressure
21 was up, 143 over 77, so it should have been
22 discontinued. He might have required at that time
23 digitalization.

24 Q. For what?

1 A. For heart failure.

2 Q. Heart failure, What drugs would those be?
3 Lasix?

4 A. He was already receiving Lasix.

5 Q. Digitoxin?

6 A. I don't recall now if he would have
7 required Lasix. Probably Digoxin. He may havn
8 required Nitroglycerin infusion. But you can't
9 give that kind of therapy without **the** appropriate
10 monitors and he didn't hive them.

11 **3.** Okay. While we are in the recovery room,
12 do you have any criticism of anybody else **who was**
13 in the **recovery room** with Mr. Smith, nursing staff,
14 **hospital** employees?

15 A. Basically I do not have any **criticism** of
16 the nurses that cared for Smith in **the** recovery
17 **room**. Again, there might be **isolated** actions or
18 omissions that I'm not thinking of right now that I
19 might **come** up with,

20 Q. What about any other hospital employees
21 in the residents or anybody like that?

22 A. What about it?

23 Q. In the recovery room, any criticisms?

24 a. Well, they weren't there, that's a

1 criticism basically.

2 Q. You believe they should have been there?

3 A. No question about **it**. **So** should his
4 **doctor**.

5 Q. His attending physician?

6 A. Yes.

7 **3**. That would be Dr. Smith.

8 Okay. You talked in your report about.
9 failure to initiate appropriate ventilatory support.
10 By that, were you referring to the positive
11 pressure breathing for him?

12 A, Well, that or continuous positive airway
13 pressure to, you know, **let** him breathe but still
14 with an **elevated airway** pressure that would have
15 been appropriate too.

16 Q. **How** would you do that or **how** is that
17 accomplished?

18 A. If you really want to know, it will take
19 me a **while** to explain it. Basically **you** put a
23 device on that will elevate the airway pressure and
21 then **let** the patient breathe with the elevated
22 airway pressure. His breathing is exactly the same
23 as it would be without it.

24 It can be done with a face mask or it may

1 require insertion of a tube in the trachea *to*
2 accomplish it, to do it with a Ventura device which
3 generates a high flow of gas past a resistive
4 device at the exit of *the* circuit.

5 Q. In your report, you **talked** about the
6 injection of **sodiua** pentothal and you **sre obviously**
7 critical of that. Would you tell me what **the** basis
8 of that criticism is?

9 A. Pentothal is a rather significant
10 myocardial depressant and even in **small doses**. A
11 hundred milligrams is not by any means a small dose.
12 The standard induction dose for **general** anesthesia
13 would **be** in the range of **throe** or four hundred
14 milligrams, so a hundred milligrams given
15 intravenously is significant.

15 In this man who already had a very low
17 cardiac output then, this **pentothal** would **hit** in a
13 fairly high concentration his coronary **arteries**.
19 His heart is already rendered hypoxemic and --
20 hypoxic, rather, for **two** reasons. One, **he's** anemic
21 so he doesn't have much oxygen in the blood; and
22 two, his PO2 is only 32.6.

23 So I think it was entirely predictable
24 that **following** the injection of pentothal **this** man

1 would **have** a cardiac arrest. It was just like
2 giving a toxin *to* his heart,

3 Q. Just before that he gave Verapimal and
4 Dig **together**, which right on the insert **says** that
5 shouldn't be done.

6 Q. That's my next question. Do you have any
7 criticisms of the medications that Dr. Lee --

8 A. The Verapimal and Digoxin, he said in one
9 of his notes, he **gave** the Digoxin IV **and** then P
10 which means push and he put an X through the P, but
11 I suspect it was given push, especially since the
12 nurse said it was given push by Dr. Lee. And then
13 I believe shortly after that **he gave the** Verapirnal.

14 a. What time was that?

15 A. The Digoxin was given according to the
16 nurse at 10:05 and then within fifteen minutes he
17 gave the **Verapimal**,

18 Q. By the way, do you believe that Mr. Smith
19 **had** already aspirated the **gastric contents** by 10:00?

20 A. Oh, *it's difficult to say*, but I doubt it.
21 I **doubt** that he did that. The most **likely** time
22 would be when he was going to intubate him, but
23 you know, you can't be sure,

24 Q. Well, do you have an opinion as *to* when

1 ne aspirated or are you just guessing?

2 A. I just gave you my opinion. It could
3 havn been anytime, but the most likely time would
4 have been at the time of intubation.

5 Q. And you were telling me that the
6 Verapimal and Digoxin together is contraindicated
7 in a patient like this?

8 A. I think it says has to **be** given with
9 extreme caution because it can cause complete heart
10 block.

11 Q. What would be the reason **for** giving
12 Verapimal and Digoxin together?

13 A. To control his heart rate, to lower it.

14 Q- Was he -- did **he** have a high heart rate
15 at that time?

16 A. Well, he did at that time. He didn't **for**
17 much longer, though.

18 **a.** Do you have an opinion as to why he had a
19 high heart rate at that time?

20 A. I think it was because of the disturbance
21 in his conduction system, He **had** an uncontrolled
22 atrial fibrillation and had a rapid ventricular
23 response. That is not too uncommon with heart
24 failure.

1 Q. Do you have any criticisms or do you
2 intend to offer **any** opinions with regard to the
3 care and treatment rendered to Mr. Smith, by his
4 orthopedic surgeon, Dr. Smith?

5 MR. GROEDEL: Objection.

6 A. Well, if asked I'll give my opinion. I
7 don't think Dr. Smith actually did anything. I
8 mean, he wasn't there. If he was in the operating
9 room -- and we have from the depositions a claim
10 that he in fact **was** present **for** the operation -- he
11 must have left **either before** the patient left the
12 operating room or shortly thereafter, and to my
13 knowledge he did not see the patient again.

14 Q. Is that the extent of your criticisms of
15 Dr. Smith or do you have any criticisms
16 preoperatively of Dr. Smith?

17 A. Well, that's pretty significant, because
18 basically I don't know what the **legal** term for it
19 **would** be, but it **would** be **close** to **abandonment** I
20 would think. He has a critically **ill** patient in
21 the hospital dying, and he's both unaware of it **and**
22 **not present**.

23 a. I'm **sure** someone else will be asking you
24 questions about that-

1 A. So that's the extent of my criticism,
2 yeah.

3 Q. Do you have any criticisms of Dr. Smith
4 or Dr. Stevens, the other orthopedic surgeon, Dr.
5 **Smith's** partner, preoperatively?

6 A. Well, I think that as the patient's
7 attending physician, they **should** have been aware of
8 his physical condition prior to the operation and
9 should have considered **the** risks of having this
10 operation in this particular state, so that I would
11 quite likely have some criticism in a preoperative
12 assessment in preparation for this patient for this
13 operation.

14 Q. What specific criticisms, though, do you
15 have of him in a preoperative evaluation? Can you
16 **tell** me specifically?

17 A. I think I just did.

18 Q. Okay. You may have.

19 In your report, talking about the
20 anesthesia that **was** used in **the** case, you
21 criticized Dr. Lee for not, according to my notes,
22 sufficiently limiting the level of the anesthetic.
23 What do you **mean by** that?

24 A. Could **you** point exactly to what you are

1 referring to in my letter?

2 Q. Yeah. Page three where you are
3 discussing what you perceive as Dr. Lee's
4 departures from standards. No. 2, **you** say he
5 administered spinal anesthesia in such a **manner**
6 that -- to limit **its** effect, there, you are
7 critical of **him**?

8 A. Right.

9 Q. My question to you is whst do you mean by
10 **that**?

11 A. Well, I mean just that. **He** didn't -- the
12 patient was given a presumably hyperbaric **spinal** so
13 **that** gravity would determine its direction of flow
14 once **it's** injected into the cerebrospinal fluid
15 containing space. And if ne had had the patient
16 positioned **so it would** flow **downward**, it would be
17 unlikely that the level of the anesthetic would go
18 much higher than where the anesthetic was injected.

19 In a man of this age, you would have to
20 **leave** the patient in a **lateral** position with the
21 dislocated hip down for at Least twenty to thirty
22 minutes to insure **that** the spinal **anesthetic** level
23 **would** not **rise** once the patient was mobilized.

24 And I **suspect** that that was not done,

1 **that** the spinal anesthetic **was** injected and the
2 patient was placed immediately supine, whereupon
3 the level of the anesthetic rose. It was not
4 appreciated in time by Dr. Lee, and therefore **was**
5 inadequately treated initially. That's why it was
6 necessary for him **to use** all **those** vasopressors.

7 Q. Can you *show* me in either the anesthesia
8 record or in the intraoperative notes what **you** base
9 that opinion on?

13 A. Well, that's what **I'm** basing it upon, the
14 fact that there isn't anything in the notes or the
15 record that would indicate that he tried to do any
16 of these things to limit the spread of the
17 anesthetic. The fact that there is no information
18 indicating **that** he tried **to** limit the spread of the
19 anesthetic and the **fact** that there **was** extensive
20 spread of the anesthetic **would** mean to **me** that he
21 did not not **just** record it, he didn't do it.

13 Q. Okay, Well, what **level was** the injection
14 in?

21 A. I don't believe that **they** recorded that
22 on **their** record.

23 Q. So you don't know what **level?**

24 A. No, I don't.

1 Q. Do you know **how much** anesthetic agents
2 were used?

3 A. It looks like milligrams.

4 Q. Of Tetracaine?

5 A. Tetracaine.

6 Q. Okay. Can you show me in there what
7 level of anesthesia was reached?

8 A. Not on this because Dr. Lee didn't record
9 it, but the nurse in the recovery room **did** and she
10 said it **was** at the 6th rib.

11 Q. Okay. That would be **where** along the
12 spine, correlate that?

13 A. That would be equivalent then to a sixth
14 thoracic level, but that **was** about an hour after
15 the spinal anesthetic had been injected when it
16 would have been receding, So it **would have been**
17 higher than that in the operating room most likely.

18 Q. That's an inference that you are **drawing**
19 **from** the **level** of numbness complained of or
20 identified **when** he hit the recovery room, that the
21 level of anesthesia during surgery **was** higher?

22 A. Yes. I'm -- that's correct. It wouldn't
23 make any **difference** whether I inferred it or not,
24 though, **because** the sympathetic **block** Level would

1 have been approximately two to four segments higher
2 than the sensory block, so it would have **been** at a
3 level **of** T4 to T2, which is clearly sufficient to
4 markedly decrease cardiac output and decrease blood
5 pressure. And it's much higher of course than they
6 needed for this procedure. He only needed to have
7 it at the top of the lumbar spine, in fact. He
8 didn't have to have it above the 12th thoracic
9 level.

10 Q. So that in your opinion is substandard
11 anesthetic **care**?

12 A. Which?

13 Q. The level of anesthesia.

14 A. No, because that could happen to anyone.
15 But it is substandard to not **make attempts** to try
16 and limit the anesthetic spread.

17 Q. Okay. So the criticism **there** is positioning
18 early on when he was **inducing** or starting **his**
19 anesthesia; right? You were telling me **earlier** he
20 should have the --

21 A. **That's** correct, or the positioning would
22 **be one**. He also could have inserted the catheter
23 **and** done a **continuous** spinal **and** just injected
24 small amounts of anesthetic until he **got precisely**

1 to **the** level he wanted. There are any number of
2 things that he could have done differently to limit
3 the spread, none of which Dr. **Lee** did.

4 Can I make a correction then to previously
5 what I said?

6 Q. Sure.

7 A. The last line was not visable on my
8 recovery room *note*. The nurse notes, quote, has
9 sensation approximate level sixth rib, parentheses,
10 just below nipple line, close parentheses. The
11 nipple line is at the fourth **thoracic** dermatome, so
12 in **fact** it was a very high spinal **when** he reached
13 the recovery room. And he would have had basically
14 a total sympathetic block.

15 Q. I think we are nearing tho **end, Doctor**.

16 Let me take a minute and just Look **these** over.

17 Doctor, I think that's all I have **for** you.

18 Thank you very much.

19 A. Good. Thank **you**.

20 MR. KAMPINSKI: **This** is Mr. Groedel, he
21 represents Dr. Stevens and Dr. Smith.

22 - - - - -

23

24

CROSS-EXAMINATION

BY MR. GROEDEL:

Q. Doctor, as YOU know, I represent Drs. Stevens and Smith. With regard to the **first** surgery that was performed on November 14, would you agree **that** that procedure itself **was** an appropriate procedure **for** the symptoms that the patient was presenting with?

A. Well, I certainly don't **present** myself as an expert in orthopedic surgery, but to my knowledge, and which is a very superficial level, it would seem very **appropriate** and **seems --** and certainly in accordance with what I have observed in my private practice of anesthesia before I came here and subsequently.

Q. Are you going **to** render any opinions in **this** case with regard **to** the **surgical** technique involving either surgeries in this case?

MR. KAMPINSKI: As to the orthopedic: technique?

MR. GROEDEL: Correct, the **orthopedic surgeons**.

A. I can't imagine that I would.

Q. Okay. Are you going to render any

1 opinions in this case regarding whether or not **the**
2 proper cement or other prosthetic materials were
3 used in this case?

4 A. No, I would not be prepared to do that.

5 Q. Okay. Up through the completion of the
6 first surgery, the **one** that **was** performed on
7 November 14, do you believe that either Dr. Stevens
8 or Dr. Smith were guilty of substandard medical
9 **care?**

10 A. No, I don't.

11 Q. Okay. Are you going to render any
12 opinions in this case regarding the hip dislocation
13 itself?

14 A. Could you be more specific?

15 Q. Sure. Are you going to testify as to
16 whether or not the hip dislocation **was** the result
17 of any negligence or substandard care?

18 a. I don't think I would be **qualified to**
19 comment upon that, **the** dislocation of the hip.

20 Q. Okay.

21 A. In terms of its etiology **and** prevention
22 **and** so on,

23 Q. **Okay.** Do you have **any** knowledge with
24 regard to the consequences of leaving a **hip**

1 dislocation untreated for a period of time?

2 A. I have **some** knowledge of that. I'm sure
3 that it can't be tolerated,

4 Q. Did you say --

5 A. It cannot be tolerated, it **would** have to
6 be relocated.

7 Q. Okay. And that would **be** because by
8 leaving it untreated, this could lead to severe
9 sciatic nerve damage?

10 A. Oh, I think it could lead to nerve damage
11 and **also** probably significant morbidity in terms of
12 the patient remaining bedridden, unambulatory for a
13 prolonged period of time

14 Q. Vascular damage, **could** it lead to that as
15 well?

16 A. I think it could. I'm not sufficiently
17 knowledgeable about anatomy to **say** that, but I
18 believe there could be compromise of lower
19 extremity circulation, especially the venous
20 circulation.

21 Q. Okay. Do you believe that the second
22 procedure that was performed **was** an emergency
23 procedure as anesthesiologists **use** that term
24 emergency?

1 A. No.

2 Q. Would you consider it an urgent procedure?

3 A. I consider it an urgent procedure under
4 most circumstances and I would consider it nonelectiv
5 in this patient in that it would have to proceed
5 within a reasonable amount of time, say,
7 twenty-four hours or so. But I do not consider it
8 sufficiently urgent that it would have to proceed
9 within two or three hours.

10 Q. When you say twenty-four hours, that
11 would be twenty-four hours from when the hip became
12 dislocated?

13 A. I would say twenty-four hours from that
14 morning of detection. It would have to be replaced
15 within a certain amount of time. And again I'm not
16 sufficiently expert in that area that I could
17 comment, but I know it can't go on for a long
18 period of time,

19 An3 if there was compromise of
20 circulation or evidence of impending nerve damage,
21 then it would have to proceed even sooner.

22 Q. Okay, But when we talk about the
23 possible problems that would be incurred with a
24 delay in not treating a hip dislocation, you

1 believe that those questions would be better left
2 to orthopedic surgeons as opposed to other doctors?

3 A. Could you repeat your question?

4 MR. GROEDEL: Would you just read it back.

5 (Thereupon, the record was read by the
6 Reporter.)

7 A. I believe that the ssessment of the
8 complications that could arise from leaving a
9 dislocated hip untreated, that assessment would
10 best be done by orthopedic surgeons.

11 but in terms of determining when the
12 operative procedure to **replace** the hip would take
13 place, I do not believe that would be left alone to
14 the orthopedic surgeons. That would have to be
15 done in consultation with the other consultants
16 caring **for** the patient and the anesthesiologists.

17 Q. So the second **part** of your answer **then** is
18 **dealing** with medical **clearance**, so to speak, for
19 that necessary surgery?

20 A. No. Again, I won't use the term medical
21 clearance. I don't **believe** that internists should
22 clear patients **for** anesthesia or surgery. I think
23 **they** should **perform** an assessment of the patient's
24 medical condition and pass that information **on** to

1 the surgeons and the anesthesiologists and they
2 have to then decide which action to take.

3 Q. Okay. Would you agree that a hip surgery
4 such as the type of surgery that Mr. Smith
5 underwent is generally associated with a certain
6 amount of blood loss'?

7 A. You mean the total hip replacement that
8 he underwent?

9 Q. Yes.

10 A. Absolutely.

11 Q. And the blood loss that's caused by the
12 operation generally continues not only during the
13 surgery but after the surgery as well?

14 A. Correct, into the operative site, yes.

15 Q. And for about how long does that blood
16 loss continue?

17 A. I believe it stabilizes within
18 twenty-four hours.

19 Q. Okay. Doctor, generally speaking, what
20 are the clinical signs of a patient who is
21 hypobulimic?

22 A. Generally speaking, the patient may on a
23 very simple physical assessment initially complain
24 of dizziness upon sitting up. Generally the

1 patient will have moderate tachycardia. There may
2 or may not be any alteration in blood pressure, but
3 generally there would be a slight diminution in the
4 pulse pressure; that is, a slight fall in systolic
5 **pressure**, slight rise in diastolic pressure, but
6 without hypotension necessarily if it's just
7 moderate hypobulimia.

8 There is usually a decrease in urinary
9 output with concentration in the urine, and then
10 with invasive monitoring one would **detect** a
11 decrease in vascular pressures.

12 There may be some degree of
13 hemoconcentration with an increase in hemoglobin or
14 hematocrit. If it's simple hypobulimia secondary
15 to blood loss the patient will usually have dry
16 mouth. I think that covers substantially the
17 physical signs.

18 Q. Is increased venous tone another sign?

19 A. Increased venous **tone**? Could **you** be more
20 specific, because that's not **something** that's
21 measured?

22 Something that would be seen clinically
23 on the patient, the veins?

24 A. No. You would not see venous tone that

1 I'm aware **of**. That's not a physical sign that I'm
2 familiar with.

3 **3.** Okay. In *this* case, we **know** that Dr. Lee
4 performed a preoperative evaluation on November
5 17th prior to the second surgery. I would assume
6 you would agree that this preoperative evaluation,
7 at least the form that he had filled out, is to be
8 filled out by the anesthesiologist and not the
9 surgeon?

10 A. That would be my understanding.

11 Q. **Okay.** And would **it** be fair to state that
12 the surgeon, a surgeon such as Dr. Smith, more
13 often than not depends **upon** the anesthesiologist
14 **for** important information which **may** dictate whether
15 or not the surgery is going to be performed?

16 MR. CHARMS: Objection.

17 A. I can't agree with that in total. I
18 think that it's important for the surgeon to have a
19 dialogue with the anesthesiologist if **there is any**
20 question **about** a compromised physical status of the
21 **patient.**

22 If you are referring to **whether** or not
23 the anesthesiologist will in fact agree to do the
24 **anesthesia**, then clearly if **there** is a question of

1 that, then the surgeon should have a dialogue with
2 **the** anesthesiologist so that they both understand
3 with each other the risks involved with either
4 proceeding **with** the case or with not proceeding
5 with the case.

6 Q. Okay. When the anesthesiologist is
7 performing the preoperative evaluation, I would
8 imagine that **there** are several factors that he's
9 got to **evaluate**. Can you tell me what those
10 **factors** are? For instance, would past medical
11 history be important?

12 A. Yes.

13 Q. An actual physical examination, that
14 would be important for the anesthesiologist **to** do?

15 A. Yes.

16 Q. Okay. A review of the prior laboratory
17 **data**?

18 A. A **review** of **all** laboratory data would be
19 **important**.

20 Q. Okay. Why are those factors important
21 **for** the **anesthesiologist** to **consider**?

22 A. Well, the patient's past medical history
23 **may have relevance** in terms of previous **anesthetic**
24 **problems** for the patient.

1 Q. In Mr. Smith's case, did his past medical
2 history have any relevance in the preoperative
3 evaluation?

4 A. Absolutely. His previous anesthetic was
5 certainly not a smooth and uneventful one and it
6 resulted in probably a myocardial infarct and that
7 would be included in the past history that Dr. Lee
8 would take. That would be of **extreme** significance.

9 In **that** it was not noted in the chart
10 except **for** a laboratory value of an elevated CPK
11 and a note by Dr. Peters? I believe, that indicated
12 there was an elevation **of the** CPK, it may be
13 difficult for the anesthesiologist to glean that
14 **from** the written chart. For that reason, I believe
15 a verbal dialogue **with** the surgeons **to let** him know
16 what kind of **problems** they had had in **the** previous
17 two days would be important.

18 Q. What in fact do you believe the
19 anesthesiologist should be giving to **the** surgeon
20 when that dialogue is taking **place**?

21 A. Well, I think once **the** surgeon informs
22 the anesthesiologist that **we have** an urgent or
23 emergent case, it must proceed as soon as possible,
24 the anesthesiologist then **has** the obligation to

1 tell the surgeon, all right, if we do, though,
2 these are the increased risks that will be
3 attendant to that particular operation and
4 anesthetic.

5 Q. And in Mr. Smith's case, what were those
6 increased risks that he should have **advised** the
7 doctor of?

8 MR. KAMPINSKI: Wait a minute,

9 MR. CHARYS: Objection.

10 MR. KAMPINSKI: We have taken a jump, and
11 I'm **sorry** to interrupt you, Doctor, but was your
12 response *to* his last question premised on the fact
13 that accurate medical history was being given by
14 the surgeon for *the* anesthesiologist then to give
15 that dialogue back?

16 THE WITNESS: Yes, absolutely.

17 MR. KAMPINSKI: And your **question** now is
18 what information he should -- the anesthesiologist
19 should have given him about **the risks, assuming** he
20 would have gotten **the correct** medical information
21 from the doctor?

22 MR. GROEDEL: From **the** chart.

23 MR. KAMPINSKI: From the chart,

24 MR. GROEDEL: Right.

1 MR. KAMPINSKI: His question though
2 referred to the anesthesiologist possibly not gleanin
3 it all from the chart but having to get that as the
4 reason for him having to speak with the surgeon?

5 MR. GROEDEL: Well, I wasn't Sure --

6 MR. KAMPINSKI: I mean, am I right?

7 MR. GROEDEL: I wasn't sure what the time
8 sequence was as far as who spoke to whom when.
9 Perhaps that's the problem. I'm not sure when he's
10 talking to --

11 MR. KAMPINSKI: Your question called for
12 a leap in logic and it forgot about the important
13
14
15
16 as a prior myocardial infarct.

17
18
19
20
21 the surgeon is explaining why it is important to
22 proceed with the operation, what the risks are, and
23 the anesthesiologist then with full knowledge of
24 the patient's medical condition then must explain

1 to the surgeon **what the risks of proceeding** with an
2 anesthetic are.

3 Q. Okay. In this case, what risks do you
4 believe that Dr. Smith **should have** advised Dr. Lee
5 of when he first apprised him of the need for
6 **surgery?**

7 A. I think he should have informed him of
8 why he felt this was an emergent procedure that
9 must proceed before invasive monitoring was placed,
10 arterial lines, Swan-Ganz catheter and
11 stabilization of the patient's medical condition,
12 placement of the nasogastric tube for emptying the
13 stomach and so on,

14 All of those things would have **markedly**
15 decreased the patient's risks for anesthesia and it
16 is *my impression* that Dr. Lea **proceeded** assuming
17 that in fact he had to go right away with the
18 anesthetic **without** any of that taking place ahead
19 of time.

20 Q. Was there any indication from your **review**
21 of the **materials** that Dr. Lee did not have an
22 **adequate** time at which to review the past medical
23 history of Mr. Smith **with** regard to this **same**
24 hospital **stay?**

1 A. Well, that wouldn't be possible for me to
2 glean from the chart, but I don't know what Dr. Lee's
3 other commitments were. I don't know what time he
4 was informed that this procedure was to take place.
5 I do know that he had time to come up and fill out
6 this sheet very quickly, but this could have been
7 done in five or ten minutes.

8 3. Why don't we take a look at that sheet
9 for a second. I'm referring to page 152, the
10 preoperative evaluation,

11 A. Right.

12 Q. On that sheet, Dr. Lee notes that the
13 patient is suffering from hypertension; correct?

14 A. Yes.

15 Q. And that he had been on high blood
16 pressure medication; correct?

17 A. Yes.

18 Q. Dr. Lee also apparently knew that the
19 patient was in SICC after the first surgery
20 according to that sheet; true?

21 A. Right.

22 Q. Apparently Dr. Lee was also aware of the
23 fact that the patient had a history of chronic
24 obstructive pulmonary disease?

1 A. He wrote down COPD.

2 Q. We also know that Dr. Lee was aware of
3 prior history of smoking, I take it?

4 A. Well, he put an X by it.

5 Q. Apparently Dr. Lee was also aware of the
6 prior EKG results?

7 A. He did copy down the interpretation.

8 Q. Okay. And apparently Dr. Lee was also
9 aware of prior blood gas results; is that true?

10 A. From two days before he did, yes.

11 Q. Okay. And apparently Dr. Lee had the
12 opportunity to review some of the lab data as some
13 values were put in in the section involving
14 hemoglobin and hematocrit, although I realize those
15 are incorrect?

16 A. Yeah. Mine aren't that legible. I think
17 what he did was just copy down the values probably.

18 Q. Okay. Were these factors, the ones we
19 have just gone through, were they significant to
20 Dr. Lee or should they have been significant in his
21 preoperative evaluation?

22 a. Which factors?

23 Q. The ones that I have noted, the
24 hypertension, the fact that he was in SICU after

1 **surgery**, his history **of** COPD, his history of
2 smoking., the prior EKG results?

3 A. Those would all be relevant in a
4 preanesthetic evaluation.

5 Q. **Okay-** Would those findings alone have
6 **indicated** whether or not any additional monitoring
7 would have been **necessary** during the second surgery?

8 A. No, those **findings** alone would not have
9 done that.

10 2. **Okay.** What additional findings do you
11 **need** before you **mako** the assessment that you need
12 to **have** addition31 monitoring during that second
13 surgery?

14 A. Well, the major and significant thing was
15 **the** fact that **he** had evidence **of myocardial** damage
16 **following** the **first** procedure.'

17 Q. **Okay,** And that was evidenced by the MB
18 fraction?

19 A. Yes, of the CPK. It would also be
20 evidenced **by the** other factors that I mentioned
21 earlier in a review of his course in the SICU with
22 the arrhythmias, the requirement for Dopamine
23 infusion and so on.

24 Q. **Okay.** Do you **believe** that it was the

1 responsibility of Dr. Smith to be aware of that MB
2 fraction?

3 A. Yes.

4 3. Do you believe it was the responsibility
5 of Dr. Lee to be aware of that MB fraction?

6 A. Yes.

7 Q. Do you **believe** that that MB fraction
8 should have been a precursor to further care?

9 A. Yes.

10 Q. What care?

11 A. He should **have had** repeated analysis of
12 CPK performed once it was determined that it was
13 elevated and he in fact **had suffered** significant
14 myocardial damage, and **I'm sure** that would that
15 have been corroborated, **it's** quite likely they
16 would **not** have transferred him **from** the surgical
17 intensive **care** unit or if they would, they would
18 have transferred him to a monitored bed rather than
19 to a ward.

20 Q. **Okay.** The MB result **came** back on the
21 14th I **take it** after the first surgery?

22 A. I doubt **it.** Usually they don't **come** back
23 right away. Probably **it didn't** come back for **some**
24 time. And I don't **know** if we can tell on this when

1 it was reported.

2 On the sheet where I'm reading where it's
3 reported, it's printed out on a sheet that says
4 discharged 11-19-34, so it was a summary sheet.
5 Usually what happens and probably happened in this
6 case is each time new lab snnets come up, they
7 destroy the previous ones and insert these, so it's
8 not possible for me to tell. But Peters, the
9 orthopedic resident, did write that information in
10 his progress note.

11 Q- Is that the one on the 16th?

12 A. That's what I'm thinking, yes. At 12:45
13 on the 16th, CPK 349 with MB two percent.

14 Q. That's referring to the initial and only
15 apparent test that was done?

16 A. Right.

17 Q. Do you believe that it was substandard
18 medical practice on the part of Dr. Smith not to be -
19 well, let me strike that.

20 Do you think it was substandard on the
21 part of anybody in this case not to have taken
22 further action in response to the elevated MB
23 fraction?

24 A. I think that that elevated MB fraction

1 indicated myocardial damage? and I don't think the
2 man was treated **from** that point on once it became
3 known that he had that as if he had had myocardial
4 damage. And I think that was substandard care, and
5 I think that Dr. Smith was his attending physician
6 and therefore was ultimately **responsible** for that
7 activity. Although **there** were other people, Dr.
8 Oliver, I believe, who must be a critical care
9 physici~~sn~~ **who was** taking **care** of the patient as
10 **well** as residents with him as well as the
11 orthopedic residents, I think **it would** be the
12 attending physician's ultimate responsibility to
13 insure appropriate care for his patient.

14 Q. Okay.

15 A. Unless he authorizes and hands over that
16 responsibility to another physician, and I'm not
17 aware that that happened in this case.

18 Q. In this case, had a **repeat** CPK/MB
13 fraction been obtained, what do you believe it
20 would have shown?

21 A. I think if another one had been obtained
22 on the evening of the operation? it would have been
23 markedly elevated.

24 Q. More so than what was initially seen?

1 A. Yes.

2 3. And how would that have impacted upon
3 whether or not surgery was feasible on the 17th?

4 A. Well, they would have treated him as if
5 he had a recent myocardial infarction, stayed in
6 the SICU in a monitored bed, and assuming his hip
7 still stayed dislocated, they would at least have
8 known they were going to the operating room with an
9 individual that had a myocardial infarction within
13 three days, they would have given more appropriate
11 monitoring presumably, and also more appropriate
12 anesthetic care and management.

13 Q. So I take it then even had a myocardial
14 infarction been diagnosed prior to the hip
15 dislocation, he still could have gone into surgery
16 on the 17th appropriately for surgery?

17 MR. KAMPINSKI: Objection. It was
18 diagnosed; it just wasn't treated. It was
19 recognized in terms of the lab tests.

20 Q. Okay. Let me rephrase the question.

21 A. Please do.

22 Q. Even with the myocardial infarction which
23 you believe was evident and which you believe was
24 not treated, I take it then you believe that with

1 the hip dislocation that we saw on the 17th,
2 surgery **still** could have been an appropriate option
3 with the appropriate monitoring?

4 A. Yes.

5 Q. And what additional monitoring would have
6 been necessary in this case that you did not **see**?

7 A. Well, as I stated before, I believe he
8 should have had an arterial catheter in place. He
9 would have had to have a Foley catheter in place, a
10 pulmonary artery catheter placed. **He** before going
11 to operation should have had an assessment of his
12 cardiovascular function and **also** of his pulmonary
13 function, and those organ systems should have been
14 optimized prior to going to the operating room.

15 Q. Let's *deal* with the optimizing of *the*
16 cardiac and pulmonary systems **first**. Who would
17 have been the doctor that **would have** Seen in charge
18 of that area of his **care**?

19 A. It would depend upon the **hospital** setting,
20 and **I'm** not that familiar with St. Luke's but I
21 believe from the notes I **read** there is a medical
22 director of the **intensive** care unit who is **there**
23 presumably. That was **Dr. Oliver**. Am I incorrect
24 in that assumption? **Doe5 anybody know? And**

1 probably it would have been him.

2 He's the one that seems to have been
3 following the patient and writing **notes**. it says
4 SIC resident note, and it's co-signed by A. Oliver.
5 I believe that's who that is.

6 V- And the purpose of **this** optimization
7 would be to stabilize the patient at least as much
8 as possible prior to **surgery**?

9 A. To stabilize him and **also** to minimize any
10 **intraoperative** complications that might occur in
11 terms of changes in blood **pressure**.

12 Q. Okay.

13 A. Pulse and so on,

14 Q. And the various devices that you mentioned
15 with regard to monitoring during surgery, the
16 decision to use those **pieces** of **equipment** would
17 **fall** to the anesthesiologist, I would imagine?

18 A. Which -- you are talking **about** the
19 Swan-Ganz -- the pulmonary **artery** catheter and the
20 pulmonary catheter and so on?

21 Q. Right.

22 A. Well, it certainly **would** in most
23 institutions, although it's feasible that an
24 intensive care practitioner, critical **care**

1 physician might initiate that therapy **or** those
2 monitoring modes before going to the operating room,
3 in which case the anesthesiologist would simply
4 continue **with** that monitoring.

5 Q. But you wouldn't expect an orthopedic
6 surgeon to **handle** that aspect of the patient's care,
7 would you?

8 A. Well, not necessarily. Although it's
9 interesting to note **when** the patient came back from
10 the **first** operation, **apparently** it was the
11 orthopedic resident who inserted the arterial
12 catheter.

13 Q. Okay.

14 A. So in this hospital, **it's** possible that
15 the orthopedic resident did **assume** care for
16 patients in the intensive **care** unit. It would
17 appear they assumed a **major** role in this particular
18 **setting**,

19 Q. As **far** as making the decision with regard
20 to whether or not the monitoring during surgery
21 should be utilized, in other words, the pulmonary
22 catheter and the arterial catheter, those are
23 decisions that are made **by the** anesthesiologist and
24 not **the** surgeon generally?

1 A. Generally speaking, that's correct.

2 Q. Okay. In this case had Mr. Smith's
3 cardiac and pulmonary status been stabilized and
4 optimized as you put it and had there been
5 appropriate monitoring during the surgery, do you
6 believe in all likelihood he would not have died
7 after the second surgery?

8 A. Well, and then presuming that that
9 monitoring and treatment continued into the
10 postoperative course and surgery intensive care
11 setting, than the **likelihood** of him surviving would
12 **have been** significant. According to figures that
13 **have** been published in the past, they would **have**
14 **been** high.

15 Q. Can you give me a ballpark figure?

16 A. Well, there **is** a particular article by
17 Rao, Jacobs and El-Etr that I would go by.

18 Q. Can **you** give me the title of that **article**
19 you are referring to?

20 A. **It's** titled Reinfarction Following
21 Anesthesia in Patients with Myocardial Infarction,

22 Q. What **journal is** that in?

23 A. Anesthesiology, Volume 59, pages 499
24 through 505, published in 1983.

1 Q. Can you -- you had already given me a
2 ballpark figure.

3 A. 5.7 percent of patients who had an
3 infarct within zero to three months had a
5 reinfarction. And if they had a reinfarction, then
6 their mortality rate I believe **was** in the range of
7 about 50 percent. So his chance of surviving would
8 have **been** in the range of 95 plus percent.

9 B- Doctor, I take it you are critical of the
10 fact that the patient wasn't transferred to SICU in
11 this case after the second surgery?

12 A. I don't think it **was** a breach of standard
13 of **care** to not transport him to ICU as long as the
14 postoperative anesthesia recovery area is capable
15 of providing the same care that would be obtained
16 in **the** surgical intensive care unit, which is the
17 case in many institutions,

18 Q. Do you believe that to be the case in
19 this case here?

20 A. It's not **possible for** me to judge. I
21 don't know whether they could put in a pulmonary
22 artery catheter **or care for** it or monitor it and
23 arterial line, but I kind of suspect they could in
24 this setting. So I'm not **prepared** to say that I

1 think it was negligent to take him to the
2 anesthetic **recovery** area as long as the appropriate
3 personnel are there to care for the patient
4 afterwards,

5 Q. Why don't you tell me than exactly what
6 monitoring you would have wanted to have seen while
7 the patient was in the anesthesia recovery room in
8 this case so that you **would** be so assuaged it was
9 no big deal he didn't go to an intensive care unit?

10 A. The same monitoring that I would have
11 felt appropriate preoperatively and
12 intraoperatively, indwelling arterial catheter,
13 pulmonary artery catheter, continuous readout,
14 electrocardiographic monitor, constant nursing care
15 and immediate availability of a physician trained
16 in appropriate critical **care** practice.

17 Q. Is there anything that you have seen here
18 that would **lead you** to believe that there wasn't
19 such a physician available to Mr. Smith?

20 A. Yes. I don't think Dr. Lee was **capable**
21 of performing that task,

22 Q. Is there anything in the record that
23 **would lead you** to believe or anything in the
24 materials that you reviewed that would **lead you** to

1 believe that Dr. Lee or anybody **did not** have enough
2 information or enough time to decide whether or not
3 Mr. Smith should have been transferred to the
4 surgical intensive care unit?

5 A. Could you rephrase the question? I heard
6 it and I understood it **but** I can't **answer** it the
7 way **it's** phrased. I'm not sure what the major
8 point is of this enough time is.

9 Q. Well, was there any indication **from** what
10 you **have reviewed in this case to** lead you to
11 believe that either Dr. Smith or Dr. Lee did not
12 have enough information or enough knowledge about
13 the case for them to **make** a decision as to whether
14 or not **the** patient should have **gone** to SICU?

15 A. I may or may not answer your question;
16 **tell** me if not. I don't believe that either Dr.
17 Lee or Dr. Smith were sufficiently **informed** about
18 this patient's condition that they appreciated his
19 severe risk. And I think that both Dr. Lee and Dr.
20 Smith treated him as sort of a routine patient, as
21 evidenced by the fact that Dr. Smith apparently
22 left the area and **was** unreachable it's my
23 understanding following the operative procedure and
24 that Dr. Lee transported the patient to the

1 recovery area as he would **any** other routine patient
2 for a short procedure.

3 So I'm surmising based on that activity
4 **that** they did not appreciate his serious cardiac
5 condition, I don't know if that answers your
6 question, **And** presumably they didn't appreciate it
7 because they didn't have the information that would
8 have led them to **feel** differently.

9 Q. Oksy,

10 A. The information was **clearly** available to
11 them, though,

12 Q. **Okay.** Generally speaking, the decision
13 to send someone to **SICU** after surgery if their
14 intraoperative problems are not related to the
15 surgical procedure itself is usually made by **the**
16 anesthesiologist?

17 A. I think it's a joint decision, the
18 anesthesiologist would **most** often say I think you
19 better go to the ICU, and I **can't** imagine the
20 surgeon arguing with that, But **once** the patient is
21 transported to that area, than the responsibility
22 for care goes **over** to the surgeon.

23 Q. To what **area**?

24 A. To the surgical intensive care unit, and

1 he will **become** the responsibility of the surgeon or
2 in an institution where it's designated it would be
3 to the critical care physician in charge.

4 Q. Okay. Before I forget, you mentioned
5 that it **was your** understanding that Dr. Smith was
6 no longer involved or abandoned the patient after
7 the surgery. Did the recovery room note indicate
8 whether or not Dr. Smith did in fact come in to see
9 the patient after the second **procedure**?

10 A. I --

11 Q. **Why don't you take a look at it.**

12 A. Yeah.

13 A. Oh, I apologize, I missed that. Yeah,
14 Dr. Smith visited, so he did come to the recovery
15 room at 5:25. I just forgot that. I'm sure I knew
16 it once upon a time.

17 Q. So **you** would agree then it does not
18 appear as though Dr. **Smith** abandoned his patient;
19 correct?

20 A. Not immediately after the operation. It
21 **was** my understanding **that he was not** reachable
22 after that point in time.

23 Q. Okay. And **you believe** that he should
24 have been?

1 A. Yes, I do, or to have designated another
2 physician at his **level**, an **attending staff**:
3 physician, **who** could be reached in case of an
4 emergency.

5 Q. Was there anything in **your** review which
6 led you to believe that either Dr. Smith or an
7 **appropriate** replacement was not available?

8 A. No, I can't say that **that's** the case.

9 **2.** **Generally** speaking, what would you say
10 the **surgeon's** role is **after** a surgical procedure
11 has been **completed** and the patient has been
12 transferred **to the** recovery **room**?

13 MR. KAMPINSKI: Generally or in this case?

14 MR. GROEDEL: Generally.

15 A. Subsequently **it's** his responsibility, I
16 think he **still** maintains responsibility **for** the
17 overall medic31 care of the patient.

18 Q. Generally speaking, who is in charge of
19 the **recovery room**?

20 A. It varies from institution to institution,
21 but it's **the** anesthesiologist in **almost. all**
22 institutions medically. You **mean** medically, the
23 medical **director** or **whatever** it would be.

24 Q. Okay. Would **it** be fair to state if there

1 are complications in the recovery room and that
2 these complications deal primarily with **the** heart
3 or the respiratory system, these types of problems
4 are best left to the anesthesiologist as opposed to
5 the surgeon. particularly an orthopedic surgeon?

6 A. I would say not best left as if, you know,
7 the orthopedic surgeon wouldn't have **any**
8 involvement, but **clearly** the primary responsibility
9 for management should fall on the shoulders of the
10 anesthesiologist in that situation.

11 Q. **Okay.** Can you tell me as far as the
12 preoperative evaluation is concerned, where do you
13 think Dr. Smith fell **below** the standard of care?

14 A. For the second operation?

15 Q. Right.

16 A. Yes.

17 Q. Preoperative evaluation for the second
18 operation?

19 A. First of all, did I **say** that he did **fall**
20 below the **standard** of care in the **preoperative**
21 evaluation?

22 Q. **Well,** why don't you answer that one too
23 then,

24 A. **Did I state that?**

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23 before. He may have been, he may not have been, I

24 don't know.

1 So for him not to communicate that to the
2 anesthesiologist would be obviously -- I mean, it
3 would be difficult for him to communicate something
4 he **doesn't have** any knowledge of. I don't believe
5 thst Smith **really** knew what was going on much with
6 this patient.

7 I think he assumed the residents were
8 taking care of things, and I'm not prepared to say
9 that's a breach of the standard of care because I
10 think in **many** teaching institutions that's a **fairly**
11 common occurrence.

12 I do, however, think that when the
13 patient hit **the** recovery room, it should **have been**
14 apparent **to** any **physician** as it was to the **nurse**
15 that **the** patient **was** in critical condition, and at
16 that point in time I do **have** criticism of Dr. Smith
17 leaving and **assuming that** another physician **would**
18 take care **of** the **patient** in an appropriate fashion,
19 which **obviously** did not occur.

20 Q. Just so we can put some parameters **then**
21 on **our** discussion **that will** take **place** from **now** on,
22 up until the **surgery is completed** and we get to the
23 **recovery** room on **November 17**, you don't **believe** Dr.
24 Smith was **guilty** of substandard conduct'?

1 A. I'm not prepared to say that. I'm not an
2 expert in orthopedic management and care, I don't
3 think his care was optimum by any means. Hopefully
4 it wasn't even average, but I'm not prepared to say
5 that it was substandard in terms of negligence.

6 Q. Okay. If you change your opinion for any
7 reason, please I would ask you let Mr. Kampinski
8 know and I'm sure he will apprise all of us as well.

9 MR. KAMPINSKI: Are you sure of that?

10 MR. GROEDEL: I'll ask him again.

11 MR. KAMPINSKI: Just keep asking, Mr.

12 Groedel. We still have discovery ongoing.

13 A. I don't change my mind very often. It's
14 too confusing if I do that,

15 Q. Well, the CPK/MB enzyme that we have
16 discussed, is an elevation in that enzyme also
17 consistent with muscle damage usually seen in major
18 surgical procedures and not necessarily cardiac
19 muscle damage?

20 A. The MB fraction?

21 Q. Right.

22 A. It's my understanding that that's
23 specific for the myocardium.

24 Q. Okay.

1 A. Perhaps trace amounts can be found
2 elsewhere, **other** smooth muscle, but my understanding
3 is that elevation of **two** percent is quite likely
4 significant, especially in light of the proximity
5 to the surgical procedure, within one hour.

6 Q. Do you believe that Mr. Smith actually
7 had an MI?

8 A. I believe that he had severe myocardial
9 muscle damage. I'm not prepared to differentiate
10 between severe ischemic damage to the heart and an
11 actual myocardial infarct which I suppose would be
12 a pathologic diagnosis. But I do believe he had
13 severe myocardial injury, and I would call that a
14 myocardial infarct. But it is possible there is
15 **some** subtle differentiation which I'm not familiar
16 that might prove that wrong.

17 Q. 'This myocardial injury that you are
18 talking about, do you believe in Mr. Smith's **case**
19 **it was** acute?

20 A. Yes.

21 Q. Not chronic?

22 A. No.

23 Q. And **what** do you base that on?

24 A. The intraoperative difficulties that he

1 had **that** did not **respond** to appropriate therapy as
2 a transient hypotension that frequently **OCCURS** with
3 anesthesia in surgery **will**. The fact he had fairly
4 significant dysrhythmias in the postoperative period
5 and his past history and electrocardiogram
6 indicating a preexisting heart **disease** **all** would
7 lead me to **believe** that it was myocardial injury
8 rather than just a transient ischemic **episode** that
9 occurred intraoperatively.

10 Q. Knowing what we do **know** about Mr. Smith's
11 hypertension and the other findings that we saw in
12 his EKGs, do you have **an** opinion as to whether **or**
13 **not** Mr. Smith was suffering **from** coronary **artery**
14 disease when he **was** hospitalized?

15 A. I suspect that he was, but that's all it
16 would be is **just** a suspicion.

17 Q. Would **you** be able to give us any
18 indication as to the **degree** of **coronary** artery
19 disease you believe that he had?

20 A. No.

21 Q. So, Doctor, I **take** it your first
22 criticism of Dr. **Smith** is that he **was** not in the
23 recovery room?

24 A. It's not so much he wasn't in the

1 recovery room and that he didn't -- since he **was**
2 the patient's physician, even **if** he's not capable
3 of **taking** care of the complications and problems, I
4 think it's his responsibility to **see** to it that
5 somebody does take care of them.

6 In other words, that he serve as the
7 general protector of the patient's well being to
8 the best of his ability in any case. And it may be
9 that there is nothing that can be done in **some**
10 circumstances, but he should at least attempt to
11 oversee the care and management of his patient and
12 see to it that proper consultants are available in
13 taking care of his patient.

14 Q. How long do you believe Dr. Smith should
15 have **been** in the **recovery** room in this case to
16 insure that proper consultations, if necessary,
17 could be taken care of?

18 A. I don't think that the time is a critical
19 element. I think he should have recognized that
20 his patient was not in good condition.

21 Q. When should he have recognized that?

22 A. I think immediately upon entrance **into**
23 the recovery **room**. When I read the nurse's
24 admitting notes, they describe a patient who I

1 think is critically ill.

2 Q. What are the signa -- what are the
3 indications in that record that **lead** you to believe
4 **that** the patient was critically ill?

5 A, He was cool and diaphoretic, dusky nail
6 beds, respirations were rapid, he **was dyspneic**, he
7 was complaining of **shortness** of breath.

8 Q. Anything else?

9 A, His atrial fibrillation with -- I think
10 what it says is **uncontrolled** ventricular rata and
11 frequent multi-focal PVCs. And I think those signs
12 and symptoms would be sufficient to tell any
13 physician that **the** patient is not doing well.

14 Q. Okay. **And** under those circumstances,
15 **what** type of physician do we need to see involved
16 in the patient's **care**?

17 A. Well, in fact, I think an
18 anesthesiologist would be **perfectly** appropriate to
19 care for the patient as long as he is sufficiently
20 qualified to do so. And it would be appropriate
21 for Dr. Smith to assume that Dr. Lee was
22 appropriately qualified to do so, but I think he
23 **then still** has the responsibility to **follow** up on
24 the patient's care on a fairly frequent basis, at

1 least every half hour, every hour, I won't be
2 specific about that, but just to insure that the
3 patient is in fact receiving **appropriate** therapy
4 and is **responding** appropriately to that therapy.
5 If **he's** not, then I think immediate transfer to the
6 **surgical** intensive care **unit** would be an obvious
7 move.

8 Q. So you think that Dr. Smith should have
9 after his initial visit **gotten back in touch with**
10 the recovery room about **thirty** minutes later and
11 basically **said** how are things going?

12 A. I don't think he **should** have left.

13 Q. Okay. Do you think it **was** substandard
14 for him to leave?

15 A. **I'm not** prepared to say it was
16 substandard **for** him to leave the room **as** long as he
17 checked back **on a frequent basis to** monitor the
18 **patient's** progress.

19 Q. Okay. And **if** Dr. **Smith** didn't check **back**
20 within thirty minutes or so, you **believe** that **would**
21 be substandard?

22 A. I believe the fact he **didn't** check **back**
23 at **all was** substandard.

24 Q. Okay. How often do **you** believe he should

1 have checked back?

2 MA. KAMPINSKI: I think he just answered
3 that,

4 A. As often as would be required to insure
5 that the patient WAS making satisfactory progress
6 and as often as would be necessary to allow him to
7 make an appropriate judgment about when transfer to
8 a more capable **facility** and/or physician would be
9 appropriate.

10 Q. Okay. Had Dr. Smith checked back in this
11 case as you say that he should have, what do you
12 think would have occurred?

13 A. I think he **would** have **transferred** him to
14 the surgical intensive care unit.

15 Q. Okay.

16 A. And hopefully there would have been a
17 physician there who **would** have immediately taken
18 care of his **care** and made appropriate attempts to
19 treat the **patient**.

20 Q. Had the patient been transferred to
21 **surgical** intensive **care**, say, within thirty minutes
22 **or** so of the time when he **was** first brought to the
23 **recovery room**, do you think that in this case that
24 would have prevented Mr. Smith **from** dying, assuming

1 he received appropriate care?

2 A. This is the question we were discussing
3 earlier, and it's difficult if not impossible for
4 me to **answer** that with any degree of accuracy.

5 I think that prior to the operation the
6 patient **had** probably a 95 percent chance of getting
7 out of the hospital alive. **and with** each
8 subsequent act that **was** committed and then later in
9 the **recovery** room omitted as **well**, his chances of
10 survival became smaller and smaller and smaller
11 until finally he received his sodium pentothal
12 intravenously which was basically the final insult
13 to his heart in my opinion,

14 So that I think, you know, the **earlier**
15 **the** transfer, if he had gone directly from the OR
16 to the ICU, his **chances** would have **been** better than
17 if he **went** to the recovery room and then to the ICU.
18 But I **really** can't put a percentage on it.

19 Q. At what point in time do you **believe** he
20 would **have had less** than a 50 percent chance of
21 living?

22 A. Boy, that's extremely difficult **for** me to
23 answer that. Maybe I can by going through the
24 **recovery** notes.

1 Q. Let me modify that to 50 percent or less,
2 MR. KAMPINSKI: Your question was just
3 more. Say your question again so we all understand
4 it.

5 MR. GROEDEL: Okay,

6 MR. KAMPINSKI: And just so the Doctor
7 understands why you are asking in terms of those
8 percentages, I think it's only fair for you to
9 explain to him the legal significance of the
10 percentages that is in terms of probability.

11 MR. GROEDEL: I thought **you would** have.

12 MR. KAMPINSKI: You are asking the
13 question, just so we have it all in context.

14 MR. GROEDEL: All right. Let me rephrase
15 the question.

16 BY MR. GROEDEL:

17 Q. Doctor, at what stage in the recovery
18 room or at any stage in **this case do you** believe
19 that **Mr. Smith had a 50 percent or less** chance of
20 **living** following the surgery?

21 A. I can say for sure that after about 9-00
22 **when he began** really having **his problems and Nurse**
23 **Sims I** believe it is was writing notes every five
24 or **ten** minutes or so on, I think his chances of

1 survival were less than 50 percent at that point in
2 time.

3 It's not possible for me to even say at
4 the time that he came into the recovery room did he
5 have a 50 percent chance of survival. I think he
6 did. I think it was greater than 50 percent when
7 he came into the recovery room, but it's just this
8 type of thing doesn't happen enough that I can call
9 upon my past experience and say the percentages are
10 thus and so. I just can't do that, I mean, it
11 would be a guess, and that's all it would be would
12 be a **guess**.

13 Q. Assuming that the patient has been
14 transferred to SICU in this case from the recovery
15 room, what would have been going on there that was
16 different than what was happening in the recovery
17 room from a monitoring standpoint?

18 A. Well, I don't know what the intensive
19 care setting is in this particular hospital, but if
20 it were the intensive care unit and I was the
21 physician, he immediately would have an **arterial**
22 catheter placed for monitoring heart **pressure** and
23 he **would** have immediately had a pulmonary artery
24 catheter placed to assess his cardiac **pressure**.

1 Then he would have had immediate therapy aimed at
2 decreasing his workload in terms of the heart and
3 optimizing cardiac function.

4 Q. Would he have received any different
5 medications?

6 A. Very likely.

7 a. Such as?

8 A. He possibly would have received Dopamine,
9 maybe Dobutamine.

10 Q. What are those drugs for?

11 A. To increase contractility of the heart,
12 increase perfusion to the kidneys in the case of
13 Dopamine as well,

14 And he probably would have received
15 Nitroglycerin infusion to decrease systemic
16 vascular resistance as well as to decrease preload
17 on the heart. He certainly would have gotten blood
18 transfusions to increase his hemoglobin
19 concentrations. He would have had blood gases
20 performed, He may have received CPAP by mouth,
21 Perhaps he would have had his trachea intubated and
22 mechanical ventilation instituted.

23 Q. In your review of the record, was there
24 anything that would lead you to believe that the

1 patient couldn't have been transferred from the
2 recovery room to the SICU unit earlier than what
3 actually occurred here?

4 A. Not in my review of the records.

5 Q. Do **you** have any other criticism of Dr.
6 Smith in the postoperative period?

7 A. Not that occurs to me offhand.

8 **a.** Do you have any other criticism of him
9 whatsoever then?

10 A. Not that we haven't discussed that occurs
11 to me at this time,

12 Q. **Okay.** In the review of the records and
13 depositions, do you have an opinion whether or not
14 Dr. Timothy Stevens is guilty of **substandard**
15 conduct in this case?

16 A. None occur to me at the **time.** Dr.
17 **Stevens** did not really participate in this patient's
18 care, did he?

19 Q. It was --

20 A. **After** the first operation.

21 **MR. KAMPINSKI:** His name I guess **was** on
22 the operation **but** he didn't perform.

23 Q. He didn't perform any surgical procedures.

24 A. He **was** identified as **the** attending

1 surgeon on one of the operating room records but he
2 was not physically present,

3 **a.** Correct,

4 A. Then he was the one that said send him to
5 the **ICU** at 10:45.

6 **Q.** **Correct,** So the answer is, no, there is
7 no substandard conduct as far as Dr. Stevens is
8 concerned?

9 A. The reason I'm hesitating is that Dr.
10 Stevens was notified at 10:45 of the patient's
11 condition. He **wouldn't** have had time I don't think
12 to respond to *come* in before the patient's demise
13 **in** any case.

14 So I believe that's true. He was not
15 **aware up** to that point in time the **patient** was
16 having difficulty, to my knowledge. If **he** knew
17 **that the** patient was having trouble, then I would
18 certainly be critical that he didn't come in and
19 **see** the patient. But to my knowledge, **he** was
20 unaware that the patient was having trouble at 10:45.

21 **Q.** In other **words,** you are critical of him
22 if **he knew** that he was having trouble before 10:45?

23 A. Correct.

24 **Q.** **Okay.**

1 A. Any indication in what you reviewed that
2 Dr. Stevens did know prior to 10:45 that the
3 patient was having problems?

4 A. I'm **not** aware of that.

5 MR. GROEDEL: I have no further questions.
6 Thank you, Doctor.

7 THE WITNESS: Thank you.

8 MR. KAMPINSKI: This is **Mike** Zellers, he
9 represents St. Luke's Hospital.

10

11 **CROSS-EXAMINATION**

12 BY MR. **ZELLERS**:

13 Q. Dr. Downs, I believe it's **been** your
14 testimony that you do not have criticisms of the
15 nurses in this case; is that **correct**?

16 A. That's correct.

17 Q. What criticisms do you have, if **any**, of
18 the hospital or its residents in this case?

19 A. Well, let me start with the hospital just
20 in **general** terms.

21 I **believe** it's the responsibility of the
22 hospital when a **patient** comes in for an **operative**
23 procedure to guarantee **the best** in the hospital's
24 ability they will receive at **least adequate** medical

1 care while they are there.

2 And in order to do that, they have to
3 **have** certain representatives. They have to have
4 medical directors of various departments to insure
5 that there is appropriate care, **for** example, in the
6 recovery room. 30 I believe it's the hospital's
7 responsibility to insure that there will always be
8 a capable individual present in the recovery room
9 to **care** for any postoperative complications that
10 might arise.

11 And I do not believe that Dr. Lee was
12 capable of handling the complications that arose in
13 this **case** in an appropriate manner. And so **there**
14 **is** certainly the possibility that the hospital was
15 negligent in allowing Dr. Lee to serve as a medical
16 person in charge of the **recovery** room at that time.

17 Now, it may be **that** the hospital somehow
18 handed that responsibility to another
19 anesthesiologist, in which case they **truly** were in
20 **good** faith and felt they had fulfilled their
21 responsibility. But **clearly** at the **time** that this
22 patient was in the recovery room, he did not have
23 adequate medical management.

24 Q. Any other criticisms of the hospital in

1 this case?

2 A. If the residents are -- they are hospital
3 employees, there is no question about that. I do
4 not believe that the residents in this case acted
5 in an appropriate fashion to insure the patient's
6 health and welfare. They did not adequately care
7 **for** the patient following the **first** operative
8 procedure and they certainly didn't adequately care
9 for the patient in the recovery room.

10 However -- well, **let** me continue on that
11 line. Then upon reading the depositions of some of
12 them, I would say that their lack of medical
13 knowledge I would have to term is unbelievable.

14 It's hard to believe that a physician
15 could get this far in training and know as little
16 **about** the things that they were questioned about as
17 they apparently do. **This was** especially true of
18 Michael Gill and Scott **Miller**, Scott Miller in
19 particular. Miller I believe is the one that **kept --**
20 **was** called from the emergency room and came up to
21 **see** the patient,

22 However, it still falls back on the
23 attending surgeon who is ultimately responsible.
24 So the **fact** that these people were not practicing

1 medicine at a standard that I find acceptable in my
2 mind, it's the attendin.3 surgeon's responsibility
3 to see to it that these people carry out their
4 wishes appropriately, and if they don't, then they
5 shouldn't have them serving in their stead.

6 So whether or not the hospital is
7 negligent in having these resident;; is not clear in
8 my mind and I'm not prepared at this time to say
9 that the hospital was negligent because the
10 residents were negligent, although I would like to
11 reserve that right, There is no question that
12 these people were nat taking good medical care of
13 this patient and their actions were substandard.

14 Q. If it at some point becomes your opinion
15 that the hospital was negligent in this case
16 through the acts or inactions of tne residents,
17 will you advise Mr. Kampinski of that?

18 MR. KAMPINSKI: Excuse me. I do have to
19 interject because that's not a fair question and
20 the determination as to whether the hospital is
21 responsible for the actions of the residents is a
22 legal determination and the Doctor's testimony to
23 you when you just made that request is appropriate.
24 He's not in a position to tall you whether the

1 hospital is legally responsible for the residents.
2 That's something that a judge will instruct a jury
3 on and they will have to decide appropriately,

4 I think he's trying to tell you what he
5 finds wrong with the residents' actions, but you
6 can't impose upon him or me the burden of coming
7 back to you and saying, Yeah, it's the hospital, I
8 personally do, but that's a legal question.

9 BY MR. ZELLERS:

10 Q. Doctor, in your medical practice, between
11 yourself as an attending physician and the hospital
12 as an employer, who bears medical responsibility
13 for the acts or inactions of a resident?

14 MR. KAMPINSKI: Objection, just for the
15 record,

16 A. In my opinion, any action or lack of
17 action on the part of a resident who is under my
18 medical supervision becomes my medical
19 responsibility.

20 Q. In this case, would the acts or failure
21 to act on the behalf of the orthopedic residents be
22 the ultimate responsibility as you know it as a
23 medical doctor of the attending orthopedic
24 physician as opposed to the hospital?

1 MR. GROEDEL: Objection.

2 MR. KAMPINSKI: Objection.

3 A. Again, not answering from a legal sense,
4 I believe that Dr. Smith **was** responsible for the
5 actions and lack of action of the residents **in** this
6 case.

7 3. Do you have any other criticisms in this
8 case of either the hospital or **its** residents?

9 A. Not that occur to me right at this time.

10 Q. If at some point you review additional
11 materials **which** cause you to have opinions in
12 addition to what you have said today insofar as the
13 negligence of the hospital or the residents may be
14 concerned, would you advise Mr. Kampinski?

15 A. I'm sure I would.

16 Q. Insofar as **your** first criticism goes that
17 Dr. Lee was managing the recovery **room** on **November**
18 **17th**, 1984, what's that criticism based on?

19 A. My **criticism** was that **he** was given
20 responsibility for this patient's care and recovery
21 in the recovery room based upon the fact that he
22 **was** assigned as the anesthesiologist to care for
23 the patient.

24 Q. Let me **stop** you right there. In general,

1 is it appropriate for a hospital to delegate to an
2 anesthesiologist responsibility for care in the
3 recovery room?

4 A. In general that occurs, yea.

5 Q. Is it your criticism in this case that
5 Dr. Lee did a bad job in the recovery room? I mean,
7 is that the distinction you make in this case?

8 A. He did a bad job in the recovery room in
9 this case. If you remember, I don't think he **was**
10 capable of doing a good job in the recovery room,
11 and my criticism as far as the hospital is
12 **concerned** is **that** other physicians have testified
13 that the reason that they didn't **follow** the patient
14 **more closely** is because it is the policy of the
15 **hospital** that anesthesia cares **for** the patient
16 while **they** are in **the** recovery room,

17 Q. You don't criticize the hospital policy,
18 do you, that it's the anesthesiologist that's in
19 charge of the patient in the recovery **room**?

20 A. I don't question that policy at all.

21 Q. And you **don't** find that policy to be
22 negligent?

23 A. No. If **there** is negligence, I found the
24 negligence to be that the hospital didn't insure

1 that there would be adequate and appropriate care
2 for the patient in the recovery room.

3 Q. How should the hospital in this case have
4 insured that there was appropriate and **adequate**
5 care in the recovery room?

6 MR. KAMPINSKI: Well, **let** me object
7 because I want you to understand the implication of
8 your question. I have requested the personnel file
9 of Dr. Lea as well as some of the other residents
10 and nurses involved, It's my understanding you are
11 going to object to providing that personnel file
12 and the other things that would **go** to **possibly**
13 assist the Doctor in answering **the** precise question
14 you are asking him. So with that understanding?
15 you know, I have no objection to your question, but
16 I want to make sure you understand the implications
17 **of your** question.

18 MR. ZELLERS: Let me **back** up then.

19 BY MR. ZELLERS:

20 Q. Doctor, per Mr. Kampinski's comments, am
21 I correct that you don't have an opinion one way or
22 the other **as** you sit here today **as to** whether or
23 not the hospital was negligent in allowing Dr. Lee
24 to serve in the recovery room following this

1 operation?

2 A. First of all, let me state I was not
3 being critical of Dr. Lee following his patients in
4 the recovery room. I was being critical of the
5 fact that it is anesthesia's responsibility, the
6 anesthesiologist's responsibility to be in charge
7 of patients in general in the recovery room, and
8 therefore I believe it's **the** hospital's
9 responsibility to insure a capable medical
10 practitioner taking care of the patient in the
11 recovery room.

12 And because that is the policy of the
13 hospital, other physicians did not check on the
14 patient as carefully as they would have had they
15 felt they were responsible **for** the patient's care
16 in the recovery room. Now, that may not be the
17 policy of the hospital, but that's my understanding
18 at this time. I've not seen the hospital policies.

13 So therefore? I think it is the hospital's
20 responsibility to insure with careful credential
21 checks, **follow** up on **care** and capability and so on,
22 to insure that any anesthesiologist to whom that
23 responsibility is delegated is **capable** of caring
24 for critically ill patients such as Mr. Smith.

1 Q. In a case such as this, **how** should St.
2 Luke's Hospital have determined that Dr. Lee was a
3 capable, qualified anesthesiologist, not based on
4 perfect standards, but based upon the standard of
5 care as you understand it?

6 A. Well, they should have obviously had a
7 very careful credential check of him beforehand
8 with letters of recommendation of capabilities and
9 so on. They should have insured that he **was**
10 capable of performing a variety of different
11 procedures such as pulmonary artery catheterization,
12 radial artery catheterization, and if he was not,
13 they should have **told** him when you have a patient
14 that requires those procedures, you must obtain a
15 consultation and put **appropriate** restrictions on
16 him as **they** would any other physician.

17 And they also should have then made a
18 determination **of** whether or not he should be
19 allowed to serve as the **person** in charge of the
20 recovery room at any point in **time**. Because it's
21 **possible** he should not have had privileges to care
22 for patients in the recovery room. It's highly
23 unlikely, but **possible**.

24 Q. Anything **else** that the hospital **should**

1 have done in **terms** of determining Dr. Lee's
2 qualifications?

3 A. Should have received a letter or some
4 statement from the head of the department that
5 would have assured the hospital and its credentialing
6 **board** that Dr. Lee **was**, in fact, capable of

13 A. I think I covered it all.

11 Q. Could you distinguish **for** me the various
12 responsibilities between a hospital and its
13 credentialing committee and its **medical** staff in
14 terms of policing or monitoring the physicians on
15 the staff?

16 A. I'm not prepared to do that at this time.
17 That would require a great deal more thought than I
18 can give **YOU** in sitting here in five minutes and
19 answering the question,

20 Q. Who is the physicisn **that** would be in the
21 **best** position to know whether or not Dr. Lee was a
22 capable, qualified anesthesiologists?

23 A. It **would** be another anesthesiologist, and
24 if there was such a person at this hospital, it

1 would be the head of the anesthesiology department.

2 Q. Would it be appropriate for the hospital
3 to **delegate its** duty **of** passing upon the
4 qualifications of Dr. Lee to the head of the
5 anesthesia department?

6 A. It would, as long as that individual then
7 responded **back** to the hospital with assurance that
8 he had, in fact, fulfilled **his responsibility** in
9 checking the individual's credentials, capabilities
10 and so on.

11 MR. KAMPINSKI: I'm going to object to
12 the question to the extent **that** it assumes that the
13 duty is delegable. There is case law **that** suggests
14 it is not a nondelegable duty.

15 MR. ZELLERS: I'm asking Dr. Downs what
16 his opinion **is** and what his understanding **is** based
17 upon **his** experience.

18 MR. KAMPINSKI: I understand, so I am
19 just interjecting my objection so we don't **have** any
20 misunderstandings of **what** exactly **you** are trying to
21 do at **some** point in the future.

22 A. In **my** opinion that would be appropriate,
23 but it's still the hospital's **responsibility**, even
24 if they delegate it, in **my** opinion,

1 Q. Assume in your opinion that it is
2 acceptable for the hospital to delegate to the head
3 of the anesthesia department the right to pass on
4 Dr. Lee's qualifications and credentials -- read
5 back what I got.

6 (Thereupon, the record was read by the
7 Reporter.)

8 Q. -- what is the hospital's responsibility
9 for insuring that that's carried out? Do you
10 understand my question?

11 MR. KAMPINSKI: I'll object to it.

12 A. Once they have delegated it, what should
13 the hospital do to insure that it's appropriate?
14 Is that what you are saying?

15 Q. I guess what I'm looking at and I'm
16 trying to break this down into each segment,
17 assuming the hospital has delegated to the head of
18 the anesthesia department the job or the obligation
19 to pass on Dr. Lee's qualifications --

20 a. And by that do you mean to review them
21 and make a recommendation to the hospital?

22 A. Yes, that's what I mean. What does the
23 hospital have to do in order to appropriately
24 delegate that function to the head of the

1 anesthesia department?

2 MR. KAMPINSKI: Objection.

3 A. You mean what would the **mechanism** be by --

4 Q. 'The mechanism and -- what I'm trying to
5 find out is if the hospital or what standards or
6 criteria are there that the hospital would have to
7 **follow** in order to properly delegate its
8 responsibility for passing on Dr. Lee's
9 qualifications to the head of the anesthesia
10 department?

11 MR. KAMPINSKI: Objection.

12 A. I don't think I understand the question-
13 I'm sorry.

14 Q. If the hospital has appropriately
15 reviewed the qualifications of the head of the
16 anesthesia department, may it then delegate to that
17 person the job of passing on the credentials of the
18 staff anesthesiologist?

19 MR. KAMPINSKI: Objection. So I don't
20 have to continue interrupting, **let me** just have a
21 continuing objection to the **entire** line of
22 questions dealing with the assumption that the
23 **hospital** can delegate this particular duty.

24 A. They can do it and they do do it in many

1 instances, I believe. They have in the past.

2 Q. Do **they** do it in this institution?

3 A. They used to, They don't anymore, I
3 don't think. They used to just take the
5 recommendation of the chairman of the department
6 and pass on it at the medical staff meeting. They
7 don't anymore.

8 3. Based upon your knowledge, is that still
9 within the standard of care for a hospital to
10 delegate to the head of a department the right to
11 pass on the credentials of persons on its staff?

12 MR. KAMPINSKI: Objection.

13 A. I don't think that's a question, a
14 medical practice question. I think it becomes more
15 of a legal question, and I'm not qualified to
16 answer that. I could be incorrect, but it is so
17 far away from the practice of medicine that I don't
18 feel that I have the information to make a judgment.

19 Q. **There** is no question in your mind, though,
20 that the input of the head of the department -- in
21 this case, the head of the anesthesia department's
22 recommendations are important in terms of the
23 hospital passing upon the competency and
24 qualifications of a given physician?

1 A. I'm sure they are very important.

2 Q. Does the hospital and its credentialing
3 board have the right to rely on the opinion of the
4 **head** of the anesthesia department in terms of passing
5 on the qualifications of members of that department?

6 MR. KAMPINSKI: Objection.

7 4. In my opinion they do not have the right
8 to just **rely** on **his** word that **so** and so is all
9 right, I think that they should have specific
10 criteria by which the head of the department makes
11 **hi3** recommendation, and in my opinion the hospital
12 board or whatever, the credentialing committee
13 should specifically look at those areas and in
14 addition they should specifically **specify** what
15 procedures and activities an individual is to
16 perform or not to **perform** within the institution.

17 Q. In this case, to determine whether or not
18 the hospital **was** negligent in granting privileges
19 or credentials to Dr. Lee, we have **to look** at its
20 policies on credentialing and whether or not **thosa**
21 policies were appropriately **carried out** in this
22 case; is that correct?

23 A. Correct, And in **addition** to that, I
24 would think if there had been other instances **where**

1 Dr. Lee had failed to act appropriately in the care
2 of patients, either during anesthesia, before
3 anesthesia or after anesthesia, **those** I think would
4 be relevant as well.

5 Q. Assuming that the hospital followed its
6 policies and its procedures and **also** had the input
7 of other actions or inactions of Dr. Lee and that
8 in doing those they followed the procedures they
9 set up, would the **hospital** -- strike that. I want
10 to **shorten** it and make it **simpler**.

11 You don't **have** an opinion as you sit here
12 today whether or not the hospital was negligent in
13 giving Dr. Lee privileges and in letting him act in
14 the recovery room?

15 A. I think that I don't have sufficient
16 information to form that opinion, **but** I certainly
17 think it's possible that if I **knew** all that I could
18 know about his previous activity, **what** the hospital's
19 policy and procedures state and how they **went** about
20 granting him privileges to be in charge, **medically**
21 in **charge** of the recovery room, I well might -- I
22 might form the opinion **that** they were negligent in
23 allowing him to do so.

24 Q. And in order to form an opinion one way

1 or the other, you need to see the hospital policies,
2 and also how those were carried out in this
3 particular case in terms of granting Dr. Lee
4 privileges?

5 4. Correct. And also if there had been
6 other instances where Dr. Lee had failed to perform
7 in a **satisfactory** function, how that was dealt with
8 by the hospital.

9 Q. You are not **saying** that the hospital
10 becomes an **insurer** for all of the acts or inactions
11 of the physicians on its staff, are you?

12 MR. KAMPINSKI: Objection. I think the
13 Franklin County **Court of Appeals** has said that,

14 A. Well, I'm saying that if the **hospital**
15 places a physician in charge of a certain area of
16 the hospital, that they in fact are responsible for
17 his activities.

18 Q. Are they responsible for his activities
19 or are they responsible for using appropriate
20 mechanisms to either pass on his credentials or *not*?

21 A. Well, I understand what you are saying,
22 and I don't disagree **as** long as that's an ongoing
23 process. I mean, they **could** have granted him staff
24 privileges **twenty-five years** ago and he could have

1 been doing -- he could have been performing
2 incompetent acts for many, many years. And if the
3 hospital didn't intervene in that case, they would
4 clearly be negligent in my eyes even though they
5 passed on his credentials, as you say, twenty-five
6 years ago very appropriately. So they need to have
7 some continuing program to insure appropriate
8 activity in those areas.

9 **3.** And as you see it on this point, that's
10 the negligence of the hospital, if there is any, in
11 the credentialing of Dr. Lee?

12 **A.** I don't know if credentialing is the
13 appropriate word. In allowing him to be
14 responsible for the care of patients in that
15 particular area of the hospital.

16 **Q.** In giving him privileges that would
17 permit him to act in that area?

18 **A.** No, that's not what I'm saying. It's not
19 only privileges to act; they grant that for all
20 physicians in the hospital. But this is more than
21 that. They have appointed him as being the
22 individual in charge of an area of the hospital and
23 for the medical care of all patients in that area.
24 And that's much different, I think, than granting

1 him **privileges** to care **for** his patient.

2 Q. Do you **have** an opinion as to how often
3 the hospital ought to review Dr. Lee's credentials?

4 A. There ought to be a process in my opinion
5 **for** continuing review. **There** should be a mechanism
6 by which if there is a questionable action or lack
7 of action that that can be reviewed immediately,
8 and in addition I would think there should be at
9 least a **yearly** review of the physician's
10 credentials to **serve** in capacity as director of thi
11 **recovery** room.

12 Q. Other than what we **have** already discussed,
13 is there anything **else** that you believe the
14 hospital should do in order to pass on Dr. Lee's
15 qualifications?

16 A, Anything else other than what I have
17 mentioned **already**?

18 Q. Yes.

19 a. Not that I can think of.

20 Q. Your second criticism of **the** hospital in
21 this case **relates** to the acts or inactions of the
22 residents; **is** that correct?

23 A. Correct.

24 Q. What **are** you critical of in terms of the

1 residents' care **and** treatment prior to the second
2 surgical procedure?

3 A. The residents who were charged with care
4 of this patient did not recognize his **severe**
5 cardiopulmonary compromise and **ordered that** he be
6 transferred to the floor which I felt was
7 inappropriate,

8 Q. *It's* your opinion that it was a resident
9 that ordered this patient from the SICU **to** the
10 floor?

11 A. I believe **so**, Can we go off the record
12 **for** a minute while I look here?

13 I can't read this guy's -- is this Miller?
14 Do you remember which one that is? We are off the
15 **record**,

16 To answer your question, I believe it was
17 a resident although I can't identify his
18 handwriting sufficiently to tell you which resident.
19 I think it may **be** Miller.

20 Q. **What** other criticisms, if any, do you
21 have of the **conduct** of the **residents** before the
22 **second** operation?

23 A. Failure to adequately investigate the
24 **cause** of his **falling** hematocrit, failure to

1 adequately investigate his compromised
2 gastrointestinal track dysfunction; in particular,
3 the possibility of bowel obstruction. Failure to
4 adequately treat his apparent myocardial infarction.
5 I believe **that's** all.

6 Q. Are the failures that you have mentioned
7 the responsibility of the orthopedic residents acting
8 in this case?

9 A. Well, in my opinion, as I have stated, I
10 believe that any of their actions or lack of
11 actions are ultimately the responsibility of the
12 attending surgeon.

13 Q. Who makes the decision as to what
14 investigation ought to be carried out, for example,
15 to investigate the fall in hematocrit?

16 A. Who should or who does?

17 Q. Who does,

18 A. Nobody did. That's my criticism.

19 Q. In the **exercise** of ordinary care? is that
20 a decision to be made by the resident or by the
21 attending physician?

22 A. It can be made by either appropriately,
23 and I think the fault of the attending surgeon in
24 this instance then is that he is the one that will

1 dictate ultimately how much freedom of action the
2 residents **have**. I think **it's** up to the attending
3 surgeon **to** determine if the residents in his mind
4 are sufficiently qualified that he can give them --
5 or how much responsibility and freedom he can give
6 **them**. Ultimately it is **still** his responsibility.

7 **3.** Would that apply to each of the
8 conditions that you have identified?

9 A. Yes, **it applies** to all of their activity
10 in my opinion. If in **the** opinion of the attending
11 physician he has a basically incompetent resident
12 working with him, then I think he **should** give him
13 little or no responsibility and would have to
14 supervise him constantly and consistently at all
15 times.

16 Q. In this case, you have reached certain
17 opinions insofar as Dr. Lee is concerned and
18 insofar as Dr. Smith is concerned; correct?

19 A. Correct,

20 Q. The information which was available to
21 you in terms of **the St. Luke's Hospital record** in
22 formulating your opinions was also available to the
23 attending physicians in this case; is that right?

24 A. At least some of it was, some of the data

1 actually appeared in the chart after the patient's
2 death; for example, the final laboratory report, so
3 I can't say **for** sure how much was available to them
4 at the time the patient was being cared for.

5 Q. What I'm asking is based on your review
6 of all the records, was there anything that **the**
7 residents knew that they had not communicated **to**
8 the attendings through the chart prior to the
9 second operation?

10 A. I don't know how much **was** actually
11 communicated to the staff through the chart because
12 that presumes that the attendings actually reviewed
13 the chart carefully and I don't know that they did.

14 Q. Should the attendings in this case have
15 reviewed the chart carefully prior to the second
16 operation?

17 A. I believe they should have or they should
18 have obtained that information through other
19 sources such as talking with the nurses, the
20 residents, the whatever.

21 Q. Did the attending **physicians** in **this** case
22 have the information available in the chart to make
23 the decisions which you **believe** should have been
24 made in this case?

1 A. I believe that the information was in the
2 chart, it was available to them, and I believe it
3 was their responsibility to be aware of that
4 information.

5 Q. Did the failures to act on the part of
6 the residents **prior** to the **second** operation cause
7 or contribute **to** Mr. Smith's **death**?

8 A. In that I believe the second operation
9 and **then** prepared state contributed significantly
13 to his demise in that **his** own **prepared** state resulted
11 from failure of **the** residents **to** communicate the
12 information or to have proper action taken. I
13 believe that their inaction to **some** extent did
14 contribute to the patient's ultimate demise.

15 **3.** **Other** than the criticisms you've had in
16 response to the other questioning that's gone on
17 here **today**, what **else** was it that the residents
18 failed to do that **caused** or contributed **to** his
19 death? And **again** we are looking here prior to the
20 **second** operation.

21 A. **Other** than what I have **already** criticized,
22 **I don't know if** there are any, but such things as
23 allowing the patient to remain anemic and allowing
24 the patient to be transferred to the ward and so on,

1 those **were** all significant --

2 Q. Are there any --

3 A. -- inactions.

4 **3.** Are there any independent
5 responsibilities the residents had in caring for
6 Mr. Smith between the time of his first operation
7 and the time of his second operation **that** caused or
8 contributed to his death? By independent, I mean
9 separate and apart from those things that are also
10 **the** responsibility of the attending physician?

11 A. No.

12 Q. What criticisms do you have of the
13 residents during the second operation?

14 A. Presuming that Dr. Smith was present and
15 clearly then in charge of **the** patient's orthopedic
16 management, up until the time the patient was
17 **transferred from** the operating room, I don't have
18 criticisms of the residents' **action** or lack thereof
19 with the exception that the orthopedic resident who
23 dictated his operative **report** clearly did not
21 recognize the severity of the patient's problems.
22 But that's not a deviation **from** the standard of
23 care; that's just a comment on his lack of
24 understanding **of** the patient's condition,

1 Q. So in terms of deviation⁵ from the
2 standard of **care**, you don't find any insofar as the
3 residents go during **the** second operation?

4 A. Correct.

5 Q. Insofar as the residents' **acts** or
6 failures to act before the **second** operation, were
7 **those** deviations from the standard of care?

8 A. Some of them **were**, I think the transfer
9 of the patient **from** the intensive care unit to an
10 unmonitored bed within a couple of days of
11 myocardial infarction without further investigation
12 would be considered a deviation from the standard
13 of **care**.

14 Q. **Were** there any other deviations from the
15 standard of care on the part of the residents
16 during that period of time between the first
17 operation and the second operation?

18 A. I think I had several criticisms, but I
19 can't say that they would be considered a deviation
20 from the standard of care.

21 Q. What criticisms do you have of the
22 residents in this case following the second
23 operation?

24 A. **My** criticisms there **relate** primarily to

1 Dr. Gill who dictated the operative note and
3 therefore was likely the operating surgeon under
3 the supervision of Dr. Smith who, and I quote, **said**
4 that the patient was transferred to the recovery
5 room in **good** condition and tolerated the procedure
6 **well** without intraoperative complications, unquote,
7 thus indicating his **lack** of appreciation for the
a severely compromised stat; of the patient and thus
9 leading **him** to leave the patient in the recovery
10 room in a severely compromised state without
11 insuring appropriate therapeutic maneuvers.

12 Anr? as I understand it, he was then gone
13 and not available, **leaving** Dr. Miller who was also
14 assigned to the emergency room to be the resident
15 to care for **any** further complications that the
i0 patient might have on the evening of the operation.

17 I don't have specific comments **about** Dr.
18 Miller's treatment of the patient thereafter except
19 again a comment that I think that he **was** poorly
20 responsive to Nurse Sims' calls in terms of taking
21 appropriate action to **reverse** this patient's
22 severely **compromised** cardiovascular status.

23 Q. Did Dr. Miller deviate from the standard
24 of care following the second operative procedure?

1 A. In that he did not insure that the
2 patient was appropriately cared for, I would say
3 that is a possibility. And again the reason I'm
4 hedging on that is that it's still my belief that
5 it was Dr. Lee and Dr. Smith's responsibility. If
6 Dr. Miller was Dr. Smith's representative, then
7 capable or not, he should have insured that the
8 patient was optimally treated even if Dr. Lee was
9 theoretically in charge of that treatment. He
13 should have been able to recognize that the patient
11 was not getting better and made a decision to
12 transfer the patient to a more appropriate facility.
13 But again, that's not usually a resident's
14 responsibility to do that.

15 Q. Whose responsibility usually is it to do
16 that?

17 A. Dr. Smith and Dr. Lee.

18 Q. Did Dr. Gill's act or failures to act
19 following the **second** operation fall **below** the
20 standard of care?

21 A. Again, since Dr. Smith is ultimately
22 responsible medically, that's a difficult question
23 for me to answer. There is no question in my mind
24 that Dr. Gill **was** negligent in his lack of

1 observation of the patient and in leaving the
2 patient in the recovery room in a severely
3 **compromised** state without insuring further
4 appropriate action. But if it is the policy of the
5 hospital that residents are not responsible for
6 that activity, then it would be difficult for me to
7 say that he was negligent.

8 Q. In terms of responsibility for the
9 patient in **the** recovery room, what is your
10 understanding of **who** is primarily responsible?

11 A. Dr. Lee **was** primarily responsible for the
12 care of the patient in the recovery room.

13 Q. Who **would** have been secondarily
14 responsible?

15 A. Well, **let** me *go* on and say that in
16 addition, Dr. Smith is responsible for the overall
17 medical management of his patient and he can
18 delegate, you know, parts of that. And he does
19 delegate by hospital policy, apparently, the
20 recovery room care of the patient with respect to
21 cardiopulmonary function. If the attending
22 orthopedic surgeon, Dr. Smith, delegates to his
23 resident **care** of the patient, then the resident
24 becomes responsible as **well**. That would be Dr.

1 Gill, Dr. Miller.

2 Q. I'm not sure whether you ever answered my
3 question as to whether or not it is your opinion as
4 to whether Dr. Gill's acts or failures to act after
5 the second operation fell below the standard of
6 care?

7 A. Well, I think I answered it yes, I do
8 feel they fell below a standard of care for a
9 physician who has responsibility for the patient.
10 The question then becomes whether or not he was in
11 fact responsible for the patient's care, and that's
12 the thing I cannot answer. I don't know if in fact
13 the residents have no responsibility for medical
14 care of the patient in this hospital and it's all
15 the attending physicians or not. If he hid that
16 responsibility, clearly he fell below the standard
17 of care in my opinion.

18 Q. As you sit here and judge the residents
19 in this case, are you judging them as you would an
20 attending physician or as you would a resident?

21 A. It depends upon what particular point we
22 are discussing. In my opinion, many of their
23 actions or lack thereof clearly should not have
24 occurred regardless of their level of training,

1 assuming they are graduate physicians.

2 Regardless of Gill's status, he clearly
3 should have recognized that the patient **WAS** not in
4 good condition and he clearly should have
5 recognized that there were intraoperative
6 complications and he should have recognized *that*
7 the patient didn't tolerate the procedure well and
8 was not doing well in the recovery room.

3 Q. Isn't he dependent to some extent on input
10 from the anesthesiologist in the case as to how the
11 patient is doing?

12 A. Yes.

13 Q. 30 we know here what input he **WAS** getting
14 from Dr. Lee during the case?

15 4. We do not know that. However, we do know
16 that the patient was cold, clammy, diaphoretic,
17 dusky with unstable vital signs having multiple
18 arrhythmias, and he would not have to depend on the
19 anesthesiologist to give him that information.

20 Q. Assuming Dr. Gill or Dr. Miller were in
21 the recovery room following the second operation,
22 what should **they** have done?

23 A. They should have insured that the patient
24 **was receiving** appropriate medical management to

1 reverse the pathophysiologic processes, if you
2 will, **that** were occurring following transfer to the
3 recovery room. And in my opinion, they should have
4 transferred him to the intensive care unit.

5 Q. As residents, did they have a right to
6 rely on Dr. Lee carrying out those functions as the
7 anesthesiologist in the recovery room?

8 A. They had a right to depend upon him
9 carrying out **some** appropriate activity initially,
10 but they had a responsibility in my opinion to
11 again **follow** up on the patient's care and insure
12 that the patient was receiving appropriate care and
13 was responding to the appropriate care in an
14 appropriate fashion, and that they did not do.

15 Q. Is there one particular point in time
16 when it **became** unreasonable **for the** residents to be
17 relying on **what** Dr. Lee was doing in the recovery
18 **room**?

19 A. Well, clearly within **the** first, hour that
20 should **have** been apparent, It **was** apparent to the
21 nurse that **the** patient was not responding
22 appropriately, and even more clearly by 9:00 it
23 **would** have **been** apparent. But it became
24 progressively **apparent** as **the** evening progressed.

1 Q. You have made the comment that in
2 reviewing the residents' depositions **they**
3 demonstrated a lack of medical knowledge or
4 understanding. Are there any specific **references**
5 in their depositions that apply to the issues in
6 this case?

7 A. Yes.

8 Q. Can you give me those, please?

9 A. At approximately pages 27 through 29,
10 Randell Peters was questioned about evidence of
11 myocardial damage occurring in Mr. Smith, and
12 basically seemed to disregard the evidence that was
13 there that would indicate that there **was** myocardial
14 damage.

15 In general terms, Dr. Peters was very
16 unknowledgeable regarding anesthesia evaluation
17 for patients undergoing surgery.

18 Michael Gill on --

19 Q. Dr. Downs, before we move off of Dr.
20 Peters, it's my recollection that he made a
21 statement in his deposition that on occasion of at
22 times he would review the preop anesthesia workup
23 prepared **by** the anesthesiologist. Is that required
24 by the standard of care for a surgical resident or

1 an orthopedic resident to review the
2 anesthesiologist's preoperative workup before the
3 procedure?

4 A.

5
6
7
8
9
10 **second** operative procedure. That's clearly false.
11 It's a strong relative contraindication.

12 Q. And your statement holds true looking at
13 Dr. Gill as an orthopedic resident as opposed to a
14 **medical** resident or some other specialist?

15 A. Absolutely.

16 a. Go ahead.

17 A. Page 16, line 17, he said the patient was
18 transferred to the recovery room in **good** condition,
19 and even at the time of his deposition he was unaware
20 of the nursing assessment that **disagreed** with that
21 condition.

22 He said thit on page 19, **line 24**, a fall
23 in **blood** pressure to 50 percent of the preoperative
24 value **is** not a complication, He's clearly

1 erroneous.

2 Page 30, line 9, he **said** the
3 anesthesiologist is responsible for patient care in
4 the **recovery** room and implied that the surgeon is
5 not responsible for the patient once he enters the
6 recovery room. I think that's inaccurate.

7 Page 46, line 5, he appears to be totally
8 unaware of the effect of methyl methacrylate on
9 cardiovascular function which clearly should be
10 common knowledge for an orthopedic resident in my
11 opinion.

12 Page 49, line 13, he said he was unaware
13 of the significance of a two percent MB fraction.

14 Page 69, line 6, he says that one unit of
15 blood has 250 milliliters in it. That's inaccurate.

16 Page 69, line 17, he **said** if you
17 transfuse a patient with one unit of blood, the
18 hemoglobin will go up **two** or three points. That's
19 incorrect.

20 Page 98 and 99, as I read his deposition,
21 I wasn't convinced that the attending surgeon was
22 actually present **for** that second operation, and
23 clearly **the** attending surgeon **should** have been
24 present.

1 Page 115, line 16, even in retrospect he
2 would not admit there were any intraoperative
3 complications.

4 Page 121, line 24, he claimed he had no
5 responsibility for the patient ifter the patient
6 left the operating rooin.

7 On 123, he then said the patient was the
8 responsibility of the anesthesiologist and the
9 attending surgeon. **Those** are the **only** comments I
10 have on Dr. Gill.

11 Q. Did eitner Dr. Gill or Dr. Miller have
12 any independent responsibility to the patient
13 following the second operation as opposed to the
14 responsibility that they have through the attending
15 surgeon?

16 A. I **don't** believe so.

17 Q. **Were** there any other **depositions** of
18 residanta that you reviewed that you have not told
19 me about and you have not gone through for me?

25 A. Yes. Dr. Miller.

21 Q. **Are** there things in Dr. Miller's
22 deposition that you have picked up that impact on
23 the issues in this case?

24 A. Yes.

1 Q. Can you tell me what those are?

2 A. On page 20, line 18, Dr. Miller states in
3 my opinion incorrectly that he was responsible only
4 for the orthopedic-related problems of the patient,
5 referring *to* the recovery room.

6 On page 23, line 17, when asked what the
7 significance of a return of gastric contents from
8 the endotracheal tube were or how could they have
9 come back, he said he had no idea.

10 Page 29, line 9, when asked is pentothal
11 a barbiturate, he said he had no idea. Any medical
12 student would know the answer to that.

13 For some reason on page 46, line 20, he
14 says the patient **was** put to sleep, indicating that
15 he wasn't even aware that the patient had received
16 a spinal anesthetic. If that's the case, he
17 clearly when he came up to see the patient, from the
18 emergency room did not avail himself to all the
19 information about the patient that he could. So he
20 clearly couldn't have been treating him
21 appropriately if he had no idea what the patient
22 had received if the **way** of anesthesia.

23 On page 91, lines 21 and 24, when asked
24 does a **blood** pressure of 180 over 120 indicate the

1 need **for** a neosynephrine infusion, his answer was I
2 wouldn't know. Again, that's something any medical
3 student would know.

4 He was unaware, on page 95, that anemia
5 causes an increase in left ventricular work.

6 Page 130 he stated that an operative note
7 would mention only complications relating to the
8 orthopedic operation and would not necessarily
9 mention complications secondary to anesthesia.

10 So his deposition reveals *to* me, if in
11 fact **he** was being truthful about this, very
12 inadequate medical knowledge, certainly **for** an
13 individual caring **for** critical ill patients.

14 'That completes my criticisms of the
15 residents.

16 Q. After going through the comments that you
17 have **made** on each of the residents after reviewing
18 their depositions, that doesn't bring any
19 additional criticisms of **the** residents and their
20 actions in this case to mind, does it?

21 A. NO,

22 Q. We have covered them all in terms of my
23 questioning you, **asking** you questions **about** the
24 preoperative period, **the** second operation and the

1 postoperative period?

2 A. Yes. Any **that** I can recall at this time
3 we have covered.

4 Q. And you have stated that at all times the
5 residents had no independent **duty** outside of **the**
6 duty of the attending physicians involved in this
7 case?

8 A. Because of my opinion that **the** attending
9 physician **is** ultimately responsible for all
13 activities of the residents or lack thereof, that's
11 correct,

12 Q. In Mr. Smith's case, is it ultimately up
13 **to** the attendings to make the medical **decisions**?

14 A. I believe so.

15 Q. Are you aware -- **strike** that.

16 You **indicated** that you have testified
17 three **weeks** ago in a case similar **to this**; is that
18 right?

19 4. I indicated I **testified** in a **case** of
20 elective orthopedic operation involving recovery
21 room **care**.

22 Q. And St. Anthony's Hospital **was** involved
23 in that **case**?

24 A. Yes.

1 Q. Who was the attorney that retained you in
2 that case?

3 a. The firm of Bricker and Eckler.

4 a. Do you recall the name of the attorney
5 that you --

6 A. Michael Renner was the primary attorney I
7 dealt with.

8 Q. Are there any other criticisms you have
9 of the hospital or its residents that you have not
10 told me about here this afternoon?

11 A. I don't believe so,

12 Q. Is there anything that the hospital
13 residents or nurses did in this case which would
14 have prevented Dr. Lee from carrying out his duties
15 and responsibilities as the attending
16 anesthesiologist?

17 A. Anything they did or did **not** do?

18 Q. Yes.

19 A. The only possibility would be -- and I'm
20 not aware that this was the case, that they did not
21 inform him preoperatively of the patient's medical
22 status.

23 Q. That information was available by
24 reviewing the chart; correct?

1 A. In my opinion it likely was.

2 Q. And **was** it the attending
3 anesthesiologist's responsibility to review the
4 chart before proceeding with anesthesia in **the**
5 second case?

6 A. Rbsolutely.

7 Q. If Dr. Lee felt in this case he did not
8 have sufficient time to do his preoperative workup,
9 could he have taken additional time to do **that**?

10 A. **He could** have, and he made the statement
11 that he felt it was an emergency and he didn't have
12 **that** time. And I think that was inaccurate.

13 Q. Should he have taken the time?

14 A. In my **opinion**, yes.

15 Q. Based upon the records that you have
16 reviewed and your background, training **and**
17 experience, if tne attending physicians involved in
18 this case **had** acted within the applicable standard
19 **of** care, is it probable that Mr. Smith **would** have
20 survived?

21 A. I believe **so**.

22 MR. ZELLERS: I have **got** nothing further.

23 Thank you.

24 MR. ALBERT: No questions.

1 MR. CHARMS: Just a couple of questions,
2 sir.

3 - - - - -

4 RECROSS-EXAMINATION

5 BY MR. CHARMS:

6 d- You made reference earlier I think in
7 response to one of Mr. Groedel's questions to an
8 article in your file. So you have any other
9 literature that you have looked at or that you are
10 relying on in rendering some of the opinions that
11 you have today?

12 A. Well, there were some follow-ups. There
13 was an editorial that accompanied this article and
14 also a letter to the editor which I keep in my file
15 together. And I glanced at these. So I did not
16 read all of these specifically for this case.

17 MR. ZELLERS: Steve, could you just
18 identify what's in there?

19 MR. CHARMS: The first one is the article
20 by Rao, Reinfarction Following Anesthesia in
21 Patients with MI.

22 Q. And maybe you can help me out with this,
23 This is a letter to the editor in Anesthesia or
24 Anesthesiology, Volume 61, page 213 and 214 in 1984.

1 That's just some physician's response to the Rao
2 article; is that what that is?

3 A. That's correct,

4 Q. Okay. And then an editorial in
5 Anesthesia -- the the Journal Of Anesthesiology,
6 Volume 59, page 493, 1983.

7 And that's **all** the literature you have in
8 your file; right?

9 A. Correct.

10 Q. Okay. And you have got all of the
11 depositions that we have been discussing. Is there
12 any other material in your files relating to this
13 case other than the depositions and our amended
14 answer?

15 A. The amended answer and then one letter
16 from Mr. Kampinski.

17 Q. May I see the **letter** from Mr. Kampinski?

18 MR. KAMPINSKI: No, you can't.

19 MR. CHARMS: Is there some reason I can't
20 **look** at it?

21 MR. KAMPINSKI: Yeah, because it's a
22 letter from me, that's why. If you **want** to
23 exchange correspondence files, we can discuss that,
24 but it's my understanding that you **are** not entitled

1 to that.

2 MR. CHARMS: Well, we will take that up
3 at a mors appropriate time,

4 That's *it*.

5 MR. GROEDEL: I just have a few more
6 questions, Doctor.

7 - - _ -

8 RECROSS-EXAMINATION

3 BY MR. GROEDEL:

10 Q. I note in the recovery room chart that
11 there was an infiltration in the IV. Did you not?
12 that in your review?

13 A. Yes.

14 Q. In your opinion, did that infiltration
15 have **any adverse** impact upon Mr. Smith?

16 A. It quietly could have because I think for
17 a period of approximately thirty minutes he had no
18 IV and therefore didn't have **the** infusion of
19 antiarrhythmic drug Lidocaine, and he was having
23 severe dysrhythmias at that time. So *it* may have
21 had some impact on his ultimate outcome.

22 Q. Okay. **Also** in the **recovery** room record
23 there is the notation where Mr. Smith received the
24 pentothal. Can you tell me immediately prior to

1 receiving that sodium pentothal, **what** was his
2 chances of recovering or living through this
3 episode?

4 A. By that time I think they were probably
5 small.

6 Q. Approximately in percentage terms?

7 A. Maybe 10 percent, 5 percent.

8 Q. Okay.

9 A. After the pentothal, it was zero, though.

10 Q. **Do you hold any** opinions in this case
11 regarding the appropriateness of the care and
12 treatment rendered by Dr. Jackson?

13 A. I'm not sure what Dr. Jackson's role was.
14 Dr. Jackson is I **believe** the patient's internist.
15 He was managing his **blood** pressure.

16 I don't think he acted **below** a standard
17 of care at any point. I don't think his care **was**
18 very good. He didn't do anything **for** the patient's
19 blood pressure after he **was** discharged the first
20 time except for perhaps emphasising to the patient
21 that he should take his medications. He did **come**
22 in and visit the patient in the hospital, but he
23 didn't really impact his care.

24 As an internist, I think he probably

1 should have noted that he **had** the inyocardial damage
2 during the first procedure and didn't seem to note
3 that or comment on it. But again I'm not sure **what**
4 his role really was except he was the doctor and he
5 was there to see the patient and I don't think he
6 really had any primary responsibility. In fact, I
7 don't recall seeing an official consultation on the
8 chart to Dr. Jackson.

9 Q. I **think** there was one, as a matter of
10 fact.

11 A. Was there?

12 Q. The fzct that Dr. Jackson in his note of
13 November 17 in the morning didn't **make** sny mention
14 of myocardial injury, you don't consider thst to be
15 substandard on his part?

16 A. Well --

17 MR. KAMPINSKI: Do you want to see the
18 note before you respond to it?

19 A. No, that's okay, because the question is
20 does he have to note everything in writing or be
21 guilty of substandard care, and I don't think so.
22 So the **fact** that his note doesn't inention it, the
23 patient had already **been** transferred to the **ward** by
24 that time, the **patient was** doing well, in my

1 opinion that does not represent substandard care.

2 Q. Do you believe he should have been aware
3 of myocardial injury in this patient at that time?

4 A. Absolutely.

5 Q. And the fact that he wasn't, was that
6 substandard?

7 A. I don't know that he wasn't. He just
8 didn't mention it.

9 MR. KAMPINSKI: Well, why don't you give
10 the Doctor a chance to read the note.

11 A. Wait a minute. Were you talking about
12 the 17th or the 18th?

13 Q. Correct, the 17th.

14 A. This is the 13th. This is after he was
15 dead,

16 MR. KAMPINSKI: I'm sorry. There was a
17 note from Jackson.

18 MR. GROEDEL: Progress note, morning of
19 the 17th.

20 A. I'll look at it.

21 And your question?

22 Q. If Dr. Jackson was unaware of the fact
23 that the patient had a myocardial injury when he
24 saw the patient on the 17th, was that substandard

1 on his part?

2 A. Well, again, since he wasn't actively
3 taking care of the patient, I don't believe he had
4 that responsibility. He should have been aware of
5 it, but I can't say that it was negligent for him
6 not to be aware of it.

7 My guess is that he probably was aware of
8 it. I can't imagine an internist not reviewing the
9 patient's laboratory data. I mean, that's what
10 they do. He may have just felt it wasn't
11 significant since it was only two percent of
12 basically a normal CPK value and not associated
13 with the fact that it occurred within a few hours
14 of the operation and probably represented the very
15 earliest rise in CPK, MB/CPK.

16 Q. Is that a minimal **finding!** that two
17 percent finding in the MB fraction?

18 A. No. I think it's a minimal value. Let
19 me retract that, It's not a minimal value. **It's** a
20 very small value because the CPK wasn't totally
21 elevated **that** much if **two** percent is a **small**
22 fraction of a level.

23 However, since it was recorded very early
24 on, it **probably** represents the extreme very early

1 rise of MB/CPK which probably went on tremendously
2 higher than that value ultimately.

3 And if he was in a hurry and he just
4 glanced over it. and didn't realize when the value
5 was drawn, which he probably didn't, then he might
6 have passed over it and felt in his mind that it
7 wasn't a significant finding.

3 Q. And you wouldn't have faulted him **for**
9 **thinking** that that **lab** data **was** from another day?

10 A. Well, or from a different hour. I think
11 **that** he should have seen it, should have recognized
12 **its** significance, but I would not say it was
13 substandard care for him **to not** recognize **its**
14 significance.

15 MR. GROEDEL: Thank you, Doctor.

16 MR. ZELLERS: Doctor, one **quick** line.

17 - - - - -

18 RECROSS-EXAMINATION

19 BY MR. ZELLERS:

20 Q. Do the criticisms you have of the
21 **residents** in this case between **the** first operation
22 and the second operation hold true for Dr. **Jackson**
23 as well?

24 A. Let me look at **the** -- no. The reason

1 being is that Dr. Jackson **was** consulted on the 13th
2 and the reason for his consult was please or
3 something operative clearance for left total hip
4 arthroplasty, and Dr. Jackson was just continuing
5 to follow the patient in my opinion through the
6 operative period because it was his patient before
7 and he felt some responsibility. But I don't think
8 that he had attending responsibility for that
9 patient.

10 Q. So you don't believe he had
11 responsibility for investigating the fall in Mr.
12 Smith's hematocrit?

13 A. Not primary responsibility.

14 Q. Did he have responsibility for
15 investigating Mr. Smith's gastrointestinal problems'.

16 A. Not primary responsibility.

17 Q. What about for investigating Mr. Smith's
18 apparent myocardial infarction?

19 A. Again, I think that was his attending
20 physician's responsibility, and I am unaware that
21 he passed that responsibility on to Dr. Jackson.

22 Q. Insofar as an orthopedic resident and Dr.
23 Jackson as a practicing intern, who would be in a
24 better position to investigate those conditions?

1 A. I assume you mean practicing internist?

2 ?- Yes, I'm sorry. Internist,

3 A. I don't know what Dr. Jackson's physical
4 relationship to the hospital is. If he's an
5 independent practitioner **outside** the hospital, then
6 he probably rounds each **day** in the hospital for an
7 hour or whatever and the orthopedic residents are
8 **full-time** geographically-based physicians, so **they**
9 would be in a better position **to** on a continuing
13 and efficient basis investigate these problems.

11 Q. In terms of medical knowledge, who would
12 have more?

13 A. Dr. Jackson.

14 MR. ZELLERS: I have got nothing further.
15 Thank you.

16 MR. CHARMS: **Just one quick** question.

17 THE WITNESS: **It just** keeps going on.

18 MR. KAMPINSKI: Lawyers always say just
19 one more question,

20 - - - - -

21 FURTHER RECROSS-EXAMINATION

22 BY MR. CHARMS:

23 Q. it sounds to me like you **are** saying that
24 **the critical -- let me preface it**, as Mr. Kampinski

1 said earlier, we lawyers deal with **50 percent** and
2 those kinds of figures that I appreciate are
3 difficult for you as a physician, but having sat
4 here for about four hours, it seems to me what you
5 are saying is that the critical time for Mr. Smith
6 was **around 9:00**. Is that --

7 MR. ALBERT: I object to that.

8 4. I don't believe I said **that** at all. That
9 was **in** that area plus or minus an hour was one of
10 many critical times for him.

11 Q. That's fair. There was a point **in** time
12 when you felt it was more probable than not that
13 Mr. Smith was -- could, given standard recovery
14 room care, was more probable than **not that** he would
15 have survived; okay? Then you said **there** was a
16 period of **time** later in the evening where no matter
17 what, he probably **WAS** not going **to** survive and it
18 Just **sounded** to me like the **watershed** was at 9:00?

19 A. Well, certainly it was in that time range
20 when things **became** very gloomy **for** him.

21 Q. Okay.

22 A. They were pretty **bad** around 5:00.

23 MR. CHARMS: Okay. Thank you.

24 - - - - -

1 Thereupon, the **deposition** was
2 concluded at 2:45 o'clock p.m.

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John B. Downs, M.D.

IN WITNESS WHEREOF, I have hereunto set
my hand and affixed my seal of office at _____
Ohio, on this _____ day of _____, 1987.

Notary Public

My Commission expires: _____

1 CERTIFICATE

2 STATE OF OHIO

3 COUNTY OF FRANKLIN

SS:

5 in and for the State of Ohio duly commissioned and
6 qualified, do hereby certify that John B. Downs,

8 truth, the whole truth, and nothing but the truth
9 in the cause aforesaid; that the testimony than
10 given was by me reduced to stenotypy in the
11 presence of said witness, afterwards transcribed by
12 means of computer; that the foregoing is a true and
13 correct transcript **of** the testimony so given as
14 aforesaid; and that this deposition was taken at
15 the time and **place** in the foregoing **caption**
16 specified, and was **completed** without adjournment.

17 I do further certify that I am not a **relative**,
18 counsel or attorney of either party herein, or
19 otherwise interested in the outcome of this action.

20 IN WITNESS WHEREOF, I have hereunto set my
21 hand and **affixed** my seal of office at Columbus,
22 Ohio, on this- 9th day of March, 1987.

23 Nicholas A. Marrone -----
24 NICHOLAS A. MARRONE, RPR, Notary Public
My Commission expires November 1, 1987.

John B. Downs, M.D., Ltd.
8530 Preston Mill Court
Dublin, Ohio 43017

October 15, 1986

Charles I. Kampinski
Attorney at Law
1530 Standard Bldg.
1370 Ontario Street
Cleveland, OK 44113

Dear Mr. Kampinski:

I have reviewed the medical records of Mr. Alvester Smith (#0707704-3-4296-4311) for St. Lukes Hospital in Cleveland, Ohio, and depositions of Drs. Lee, Stephens, and Smith, and Ms. Sims.

Mr. Smith was a 54 year old black male admitted to St. Lukes Hospital complaining of a painful left hip. Following examination and routine laboratory analysis, he had a total left hip arthroplasty performed on 11-14-84. His operative course was complicated by marked fluctuations in blood pressure with systolic pressures recorded as low as 70mmHg on three occasions, lasting for 10-15 minutes and necessitating several injections of ephedrine. He also had marked arterial hypoxemia in spite of increased inspired oxygen concentration. He was recovering in the Surgical Intensive Care Unit where atrial bigeminy was noted (as it was in the operating room) and he had an ECG interpreted as consistent with left ventricular strain or ischemia. He received mechanical ventilation and was extubated the next day. The orthopedic resident ordered "cardiac enzymes", which revealed elevations of the MB fraction of the CPK enzymes, indicating myocardial damage. On the second postoperative day, the patient was noted to complain of "stomach gas" and the postanesthesia note recorded "no" anesthesia complications. No was underlined multiple times, apparently for emphasis. However, there was no elaboration of this point. That evening Mr. Smith had emesis of coffee ground material. The next day, the patient was transferred from the SICU and was still noted to be distended with little flatus. The internal medicine consultant recommended that the hematocrit be measured twice a day. His hip was noted to be dislocated and he was scheduled for a closed reduction in the operating room. Dr. Lee, an anesthesiologist, saw the patient preoperatively and

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described his American Society of Anesthesiologists' Physical Status as "3", and therefore, non-emergent. Laboratory analysis was recorded by Dr. Lee, but he did not include current values. There is no indication that Dr. Lee was aware of the patient's precarious cardiopulmonary status. According to the anesthesia record, the patient had a fair general condition and an ASA physical status of 3. Again, emergent status was not noted. The patient was given a spinal anesthetic with tetracaine and oxygen by nasal cannulae at 3 l/min. Apparently, the patient had a bout of hypotension immediately following induction of anesthesia, as ephedrine and epinephrine were administered. These drugs appear to have been given approximately 15 minutes prior to the most severe bout of hypotension recorded on the anesthesia record. A neosynephrine infusion was in place when the patient was admitted to the postanesthesia recovery area, but its use is not indicated on the anesthesia record. The record does not indicate how the spinal anesthetic was administered, the patient's position during administration of the anesthetic, nor monitors other than the electrocardiogram and blood pressure. The patient had severe problems in postanesthesia recovery necessitating constant nursing care, antiarrhythmic medications, and vasoactive drug infusions. He developed severe respiratory distress with profound arterial hypoxemia several hours following admission and shortly after tracheal intubation the patient developed refractory cardiac arrest and died. Tracheal intubation followed the injection of 200 mg. of intravenous sodium pentothal,

In summary, Mr. Smith likely suffered a significant degree of myocardial injury during a total hip arthroplasty on 11-14-84. Three days later, it is likely that he suffered further and fatal myocardial damage during and following spinal anesthesia for reduction of a dislocated hip,

It is my opinion that Dr. Lee failed to meet acceptable standards of care in treatment of Mr. Smith. Having failed to adequately review records of Mr. Smith, he did not realize his precarious cardiopulmonary status and the grave risk that even spinal anesthesia posed. Furthermore, he failed to appreciate the possibility of a serious gastrointestinal bleeding problem and the possibility of gastric distention with its attendant risk of regurgitation and aspiration of gastric contents. In spite of his recognition that this was not an emergency procedure (as indicated by his failure to classify the patient as 3E), he

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did not inform the operating surgeon of the grave risks attending any anesthetic and operative procedure for this patient. Having decided to proceed with spinal anesthesia, he failed to insure that the level of the spinal anesthetic was sufficiently limited to preclude severe hypotension and noted no attempts to do so on the anesthesia record. He failed to monitor the patient's cardiopuimmonary status in an appropriate fashion, before, during, and after the operative procedure. Such monitoring should have included minimally an arterial catheter for continuous measurement of systemic blood pressure and a pulmonary artery catheter to monitor intravascular filling pressures and cardiac output. Following the operative procedure, Dr. Lee failed to recognize the severely compromised cardiopulmonary status of the patient, continued to inadequately monitor his status, and failed to initiate appropriate ventilatory therapy. When he finally decided to do so, he administered 200 mg. of sodium pentothal, which likely acted as the final insult to Mr. Smith's severely comprised and ischemic myocardium, causing his cardiac arrest and preventing successful resuscitation.

The standards of acceptable practice of anesthesiology require that an anesthesiologist of ordinary skill and diligence under these circumstances should have:

- (1) performed a careful preoperative assessment and informed the surgeon that the patient was not in satisfactory medical condition to tolerate the proposed surgical procedure without further medical assessment **and** treatment.
- (2) administered spinal anesthesia in such a manner as to limit its effect, so as not to severely compromise the patient's cardiovascular status and only following placement of appropriate monitoring devices, including an arterial catheter and pulmonary artery catheter.
- (3) carefully monitored the patient's postanesthetic course, solicited appropriate consultation, and transported the patient directly from the operating room to the Surgical Intensive Care Unit where appropriate monitoring and treatment could have occured,
- (4) Instituted appropriate ventilatory support as soon as pulmonary dysfunction was apparent,

