

<p>1 IN THE COURT OF COMMON PLEAS 2 CUYAHOGA COUNTY, OHIO</p> <p>3 CHRISTOPHER S. LONG, etc.,) 4 Plaintiffs,) 5 vs) Case No. 321518 6 CLEVELAND CLINIC FOUNDATION) 7 Defendant.)</p> <p>8 9 10 -----</p> <p>11 DEPOSITION OF JEAN-PIERRE P. YARED, M.D. 12 MONDAY, FEBRUARY 8, 1999 13 -----</p> <p>14 The deposition of JEAN-PIERRE P. YARED, 15 M.D., the Witness herein, called by counsel on 16 behalf of the Plaintiff for examination under the 17 statute, taken before me, Vivian L. Gordon, a 18 Registered Diplomate Reporter and Notary Public in 19 and for the State of Ohio, pursuant to agreement 20 of counsel, at the offices of The Cleveland Clinic 21 Foundation, 9500 Euclid Avenue, Cleveland, Ohio, 22 commencing at 10:00 o'clock a.m. on the day and 23 date above set forth. 24 25</p>	<p>Page 1</p> <p>1 JEAN-PIERRE P. YARED, M.D., a witness 2 herein, called for examination, as provided by the 3 Ohio Rules of Civil Procedure, being by me first 4 duly sworn, as hereinafter certified, was deposed 5 and said as follows: 6 EXAMINATION OF JEAN-PIERRE P. YARED, M.D. 7 BY-MS. TOSTI: 8 Q. Doctor, would you please state your name 9 and spell your last name for us. 10 A. John-Pierre Yared, Y-A-R-E-D. 11 Q. And your home address, please? 12 A. 2595 Butternut Lane, Pepper Pike, Ohio, 13 44124. 14 Q. Is that a single family home? 15 A. Yes. 16 Q. And in August of 1996, was your business 17 address here at the Cleveland Clinic? 18 A. Yes. 19 Q. And currently, is your business address 20 here at the Cleveland Clinic? 21 A. Yes. 22 Q. In August of 1996, were you an employee of 23 the Cleveland Clinic Foundation? 24 A. Yes. 25 Q. And in that same time period, were you</p> <p>Page 3</p>
<p>1 APPEARANCES: 2 3 On behalf of the Plaintiff 4 Becker & Mishkind 5 BY: JEANNE M. TOSTI, ESQ. 6 Skylight Office Tower 7 1660 West Second Street 8 Suite 660 9 Cleveland, Ohio 44113 10 11 On behalf of the Defendant 12 Roetzl & Andress 13 BY: JOHN V. JACKSON, III, ESQ. 14 INGRID KINKOPF-ZAJAC, ESQ. 15 1375 E. 9th Street 16 Cleveland, Ohio 44114 17 18 19 20 21 22 23 24 25</p> <p>Page 2</p>	<p>1 providing professional services for anyone other 2 than the Cleveland Clinic? 3 A. No. 4 Q. Have you ever had your deposition taken 5 before? 6 A. No. 7 Q. Now, I am sure Mr. Jackson has had an 8 opportunity to talk with you in regard to the 9 usual rules of a deposition, but I just want to 10 review those with you. 11 This is a question and answer session and 12 it's under oath and it is important that you 13 understand the question that I am asking you. 14 If for any reason you don't understand it, 15 or you would like me to repeat it because I have 16 phrased inartfully, just ask me and I will be 17 happy to repeat it or to rephrase it. Otherwise, 18 I am going to assume that you understood the 19 question that I asked you and that you are able to 20 answer. 21 I would also ask that you give all of your 22 answers verbally because our court reporter cannot 23 take down head nods or hand motions. 24 If at any time you wish to refer to medical 25 records, you may do so. Also, at some point in</p> <p>Page 4</p>

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1 time, Mr. Jackson may enter an objection. You are
2 still required to answer my question unless he
3 instructs you not to do so.

4 Do you understand those?

5 A. Yes, I do.

6 Q. Okay. Have you ever been named as a
7 defendant in a medical negligence case?

8 MR. JACKSON: Object, but go ahead
9 and answer. You may answer that.

10 A. No.

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

13 MR. JACKSON: Objection, but you may
14 answer.

15 A. No.

16 Q. And in August of 1996, were you licensed to
17 practice in the State of Ohio, practice medicine?

18 A. Yes.

19 Q. And has your medical license in Ohio or any
20 other state ever been suspended, revoked or called
21 into question?

22 MR. JACKSON: Objection, but you may
23 answer.

24 A. No.

25 Q. Are you currently licensed in any other

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1 state other than Ohio?

2 A. New York state.

3 Q. Have you ever been licensed in any other
4 state besides Ohio and New York?

5 A. No.

6 Q. Have you ever acted as an expert in a
7 medical/legal proceeding?

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

10 A. No.

11 Q. Have you ever given testimony in any case
12 of a medical/legal nature?

13 A. No.

14 Q. Now, doctor, counsel has provided me just a
15 few minutes ago with a copy of your curriculum
16 vitae. I am going to ask that this be marked as
17 Plaintiff's Exhibit 1 and then I will have you
18 look at it and tell me if there are any
19 corrections or revisions that you would like to
20 make to it.

21 - - - - -

22 (Thereupon, YARED Deposition
23 Exhibit 1 was mark'd for
24 purposes of identification.)

25 - - - - -

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1 A. That's all right.

2 Q. It's up to date?

3 A. Yes.

4 Q. No revisions.

5 Do you have any publications that are
6 currently pending that are not on your curriculum
7 vitae?

8 A. No.

9 Q. Okay. Doctor, are you currently a United
10 States citizen?

11 A. Yes.

12 Q. When did you first become employed with the
13 Cleveland Clinic?

14 A. In 1988 I was employed on the staff. I did
15 a Fellowship earlier, though, in 1980.

16 Q. Now, you have listed here a clinical
17 Fellowship at the Cleveland Clinic in critical
18 care medicine from 1995 through 1996; is that
19 correct?

20 A. Yes.

21 Q. And you also have listed that you were
22 director of the cardiovascular intensive care unit
23 from 1994 to the present; is that correct?

24 A. Correct.

25 Q. So you were director of the cardiovascular

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1 intensive care unit prior to finishing your
2 clinical Fellowship in critical care medicine; is
3 that correct?

4 MR. JACKSON: Say that again.

5 MS. TOSTI: He is listed under
6 present professional appointments as being
7 director of the cardiovascular intensive
8 care unit from 1994 to the present, but his
9 Fellowship in critical care medicine is
10 listed as 1995 through '96.

11 Q. And my question is, did you hold that
12 position as director of the cardiovascular
13 intensive care unit prior to the time you
14 completed a Fellowship in critical care medicine?
15 A. I completed the Fellowship in critical care
16 medicine because I was not eligible for the board,
17 because as you may have noticed, I have been
18 trained in Lebanon, and I did a Fellowship in 1980
19 to '82 at the Cleveland Clinic. It included three
20 months of critical care.

21 Now, the specialty of critical care has
22 evolved over the years and at that time there was
23 no formal Fellowship program, so I have been
24 practicing critical care, although at that time
25 there was no formal training program.

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1 Now, after I came back to the Cleveland
 2 Clinic, I felt that I needed to get certified, and
 3 then to be certified, I had to do training in a
 4 specialty where I was already trained, but I did
 5 not have the official training program. That's
 6 why I did one year of Fellowship.
 7 Q. When did you complete that Fellowship in
 8 1996?
 9 A. It was in May or April. April, perhaps.
 10 Q. And so at the time -- and I am going to go
 11 back to what my question was. At the time that
 12 you were director of the cardiovascular intensive
 13 care unit, you had not completed your Fellowship
 14 at Cleveland Clinic in critical care medicine;
 15 correct?
 16 A. I had not completed the Fellowship program.
 17 Q. At the Cleveland Clinic?
 18 A. At the Cleveland Clinic.
 19 Q. Doctor, you are board certified in several
 20 areas; is that correct?
 21 A. Anesthesiology.
 22 Q. And in critical care also?
 23 A. Critical care, yes.
 24 Q. Did you pass those board certifications on
 25 your first try?

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1 A. Yes.
 2 Q. Doctor, the publications that you have
 3 listed on your curriculum vitae, do you feel any
 4 of those have particular significance for this
 5 case?
 6 A. Nothing directly related to the case.
 7 Q. And in regard to the research that you have
 8 that's in progress, any of that research have
 9 particular significance to this case?
 10 A. No.
 11 Q. You also have listed a number of lectures.
 12 Any of those lectures deal specifically with
 13 complications following cardiothoracic surgery?
 14 A. There is one general lecture that talks
 15 about post operative management. Complications
 16 are part of that lecture.
 17 Q. Which lecture is that, doctor?
 18 A. It says, the third one, post operative care
 19 of the cardiac surgical patient.
 20 Q. Has that particular lecture ever been
 21 reduced to a videotape, audiotape or written form?
 22 A. No. Just a lecture.
 23 Q. Would you tell me what you have reviewed
 24 for this deposition.
 25 A. I reviewed parts of the record.

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1 Q. Would you tell me what parts of the records
 2 you have reviewed?
 3 A. Parts that relate to the presence of the
 4 patient in the ICU after surgery.
 5 Q. So you reviewed the ICU record?
 6 A. Yes.
 7 Q. Any other part of the medical record?
 8 A. The admission and discharge summary.
 9 Q. Did you review the anesthesia sheets from
 10 the OR?
 11 A. That was reported to me, yes.
 12 Q. Did you review the records?
 13 A. Yes.
 14 Q. Anything else in the records?
 15 A. No.
 16 Q. Have you referred to any textbooks or
 17 articles in preparation for this deposition?
 18 A. No.
 19 Q. Have you consulted with any physicians in
 20 preparation for this deposition?
 21 A. No.
 22 Q. And since the filing of this case, have you
 23 discussed this case with any other physicians?
 24 A. No.
 25 Q. Other than with counsel, have you discussed

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1 this case with anyone else?
 2 A. No.
 3 Q. Do you have any personal notes or a
 4 personal file on this case, other than what is in
 5 the medical records?
 6 A. No.
 7 Q. Have you ever generated any personal notes
 8 or personal file in this case?
 9 A. No.
 10 Q. Doctor, is there a textbook in your field
 11 of anesthesia or intensive care medicine that you
 12 consider to be the best or the most reliable?
 13 A. There are several textbooks.
 14 Q. Which would you consider to be the best in
 15 the field of anesthesia?
 16 MR. JACKSON: When you say the best,
 17 what do you mean the best?
 18 MS. TOSTI: What he considers to be
 19 the best, if there is one.
 20 MR. JACKSON: The best in what
 21 regard?
 22 Is there a best in your mind,
 23 doctor?
 24 THE WITNESS: No, there is no best.
 25 Q. Are there several?

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1 A. There are many books. I have seven, eight
 2 books in my office.
 3 Q. Is there any that you refer to more often
 4 than the others?
 5 A. No.
 6 Q. How about in critical care?
 7 A. The same applies to critical care books.
 8 Q. Is there any particular publication that
 9 you feel has particular relevance to the issues in
 10 this case?
 11 MR. JACKSON: You mean an article,
 12 particular article?
 13 MS. TOSTI: Article or book or book
 14 chapter.
 15 Q. If you think it has particular significance
 16 to this case.
 17 A. A specific article?
 18 Q. Yes.
 19 A. I don't know a specific article or book
 20 that directly related to that case or that
 21 complication. There are many that are available.
 22 I know they exist.
 23 Q. But you have none in mind at this
 24 particular point in time?
 25 A. No, nothing specific.

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1 Q. Doctor, what is a cardiac tamponade?
 2 A. It's when a patient bleeds and the bleeding
 3 is contained around the heart and causes
 4 compression of the heart.
 5 Q. And what does that do to the pumping action
 6 of the heart?
 7 A. The heart is unable to maintain cardiac
 8 output.
 9 Q. What are the signs and symptoms associated
 10 with cardiac tamponade?
 11 A. The blood pressure may go down, the cardiac
 12 output may go down. The CVP may go up and the
 13 pulmonary artery pressure may go up. The urine
 14 output may go down.
 15 Q. Does anything happen to the cardiac contour
 16 or silhouette on chest X-ray?
 17 A. There can be a widening seen on the chest
 18 X-ray.
 19 Q. And does the cardiac tamponade have any
 20 effect on pulse pressure?
 21 A. It can affect the pulse pressure.
 22 Q. How can it affect the pulse pressure?
 23 A. It can become smaller.
 24 Q. Does hypovolemia have any effect on the
 25 signs and symptoms of cardiac tamponade?

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1 A. It may.
 2 Q. Would it mask, tend to mask the symptoms?
 3 A. It may exacerbate the symptoms. It may
 4 make cardiac output go down even further.
 5 Q. Would hypovolemia make it more difficult to
 6 discern those changes that you just mentioned?
 7 A. It is very difficult to pinpoint one
 8 specific determinant, but certainly if there is
 9 hypovolemia, the cardiac output is expected to
 10 decrease and the urine output is expected to
 11 decrease. But does this happen all the time? I
 12 mean, I cannot answer that as a definite answer,
 13 yes, all the time, no, but usually this is what
 14 would be expected.
 15 Q. Would you agree that cardiac tamponade
 16 requires immediate treatment?
 17 A. Yes.
 18 Q. Doctor, in a post-op cardiothoracic
 19 patient, what factors do you look at to determine
 20 if a patient is having bleeding from an aortic
 21 suture line after valve replacement?
 22 A. This is a surgical question. I cannot tell
 23 you what criterion is used to look at the bleeding
 24 from the suture line.
 25 Q. Doctor, in the cardiac thoracic unit, do

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1 you, as the director, watch patients for post-op
 2 bleeding?
 3 A. No. I watch them. I am informed -- I take
 4 that answer back.
 5 I manage the medical aspect of the patient
 6 in regard to their ventilation, sedation, and I
 7 coordinate patient care between consultant
 8 services and nursing, as well as ancillary
 9 services. The surgical management is not my
 10 responsibility.
 11 However, my decisions in terms of the
 12 respiratory management, sedation management do
 13 take into account the hemodynamic stability of the
 14 patient, including whether the patient is bleeding
 15 or not, or having a low cardiac output.
 16 Q. And, doctor, in regard to your duties and
 17 responsibilities to the patient -- and I
 18 understand that you are not a surgeon -- what
 19 parameters are you looking at to evaluate whether
 20 or not a patient is having a problem with
 21 bleeding?
 22 A. Chest tube output, the cardiac output,
 23 blood pressure, CVP, pulmonary artery pressure,
 24 urine output, whether the patient appears to be
 25 well perfused.

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1 Q. Do you have an independent recollection of
 2 James Long as you sit here today aside from what
 3 you have reviewed in the medical records?
 4 A. Nothing specific. I remember the patient,
 5 yes. No specific events that are not here.
 6 Q. Did you see James Long at any time prior to
 7 his first surgery when the aortic valve was
 8 implanted?
 9 A. Say that again, please.
 10 Q. Did you see James Long at any time before
 11 his surgery? And I am speaking of the first
 12 surgery --
 13 A. No.
 14 Q. -- with his aortic valve.
 15 No?
 16 A. No.
 17 Q. Did you have any anesthesia
 18 responsibilities during James Long's first
 19 surgery? And I am speaking of anesthesia
 20 responsibilities in a surgical suite.
 21 A. No.
 22 Q. Were you present in the surgical suite for
 23 any part of the aortic valve replacement surgery?
 24 A. No.
 25 Q. Did you have any conversations with Dr.

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1 Cosgrove or Dr. Meullbach or Dr. Hearn at any time
 2 about the course of James Long's first cardiac
 3 surgery?
 4 A. I had conversation with whoever brought the
 5 patient up to the ICU from the anesthesia team. I
 6 don't know whether this was Dr. Hearn or a
 7 resident -- I don't know who it was. But I did
 8 have a conversation with them.
 9 Q. That was at the point when Mr. Long was
 10 being admitted to the cardiothoracic intensive
 11 care unit?
 12 A. Correct.
 13 Q. Prior to James Long's surgery, had you ever
 14 provided anesthesia on an aortic valve replacement
 15 case where they were doing the procedure via
 16 minimally invasive procedure?
 17 A. I did not provide anesthesia to that
 18 patient.
 19 Q. No, I understand that. I am asking you if
 20 at the time when James Long had his surgery, had
 21 you ever provided anesthesia in that type of a
 22 case?
 23 A. I don't remember.
 24 Q. Have you ever provided anesthesia services
 25 at any time on a minimally invasive aortic valve

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1 replacement surgery?
 2 A. Probably. I don't know. I mean, I cannot
 3 answer this question with precision. I don't
 4 recall.
 5 Q. Over the course --
 6 A. Probably, yes.
 7 Q. Have you seen the procedure done before?
 8 A. While I was providing anesthesia, I have
 9 seen the procedure.
 10 Q. Do you recall how many times you have seen
 11 this procedure done?
 12 A. No.
 13 Q. Was it more than once?
 14 A. Perhaps.
 15 Q. Do you know how many minimally invasive
 16 aortic valve replacements had been done at
 17 Cleveland Clinic prior to the one that James Long
 18 had done?
 19 A. No.
 20 Q. Are there any differences in anesthesia
 21 management of a patient having aortic valve
 22 replacement via mediastinotomy as compared to one
 23 that is done minimally invasive through a
 24 transverse stinotomy?
 25 A. Anesthetic management varies from patient

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1 to patient.
 2 Q. But is there any differences just based on
 3 the type of procedure that is being done?
 4 A. Simply because it's a minimally invasive
 5 procedure?
 6 Q. Yes.
 7 A. No.
 8 Q. When is the first time that you came into
 9 contact with James Long?
 10 A. After he was admitted to the ICU, after his
 11 first surgery.
 12 Q. And you did a cardiothoracic anesthesia ICU
 13 admission note; is that correct?
 14 A. Correct.
 15 Q. And how is it that you were the one that
 16 did that note? Why is it that you did that
 17 particular note that day?
 18 A. Because I was in the unit on that day.
 19 Q. Now, in August of 1996, what were your
 20 duties and responsibilities in the cardiothoracic
 21 unit?
 22 A. To oversee management of patients in the
 23 entire ICU in terms of their respiratory
 24 management, sedation, getting them off the
 25 ventilator, extubated. If there were any need for

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1 invasive lines, for catheter replacement.
 2 Q. Doctor, was there anyone that was the
 3 surgical director of the intensive care unit at
 4 that time?
 5 A. The surgical department is. I suppose the
 6 chairman of the surgical department.
 7 Q. And who was that at the time of Mr. Long's
 8 surgery?
 9 A. Dr. Cosgrove.
 10 Q. But was there anyone -- you were there in
 11 the unit that particular day and were monitoring
 12 the things that you just identified, and you have
 13 indicated previously, I believe, that the surgical
 14 management was left to the surgical department?
 15 A. Correct.
 16 Q. Was there anyone that had responsibilities
 17 in the intensive care unit similar to what you had
 18 in regard to ventilation management, et cetera,
 19 that was part of the surgical department?
 20 A. Yes. The surgical fellow, surgical
 21 resident. I mean, the surgeons do provide
 22 coverage all the time to the ICU.
 23 Q. Okay. And on the day that James Long was
 24 in there, who was the surgical fellow or surgical
 25 resident?

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1 A. From the record, I see Dr. Meullbach's
 2 name, and there was someone else's name, but it's
 3 from the record.
 4 Q. Now, doctor, did you spend your day in the
 5 cardiothoracic care unit? Were you in the unit on
 6 a continual basis?
 7 A. Yes.
 8 Q. Did you have any duties and
 9 responsibilities outside the unit?
 10 A. My duties in the unit started about 12:00
 11 noon, and right before that, I may have seen a
 12 patient on the floor, like a consultation, but
 13 after 12:00 I am in the ICU.
 14 Q. And then how long would you remain in the
 15 ICU?
 16 A. Usually until about 9:00 o'clock in the
 17 evening. It depends on the case load for the day
 18 or whether I am needed or not.
 19 Q. And on the day that James Long was in the
 20 ICU, were you in there from approximately noon
 21 until about 9:00 p.m.?
 22 A. I don't know that for sure, but most
 23 likely.
 24 Q. Were you out of the unit for any extended
 25 period of time during the time that James Long was

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1 in the intensive care unit?
 2 A. There are five ICU's, okay? So I was in
 3 one of those five ICU's, or perhaps in my office
 4 which is right next to the ICU's, but I did not
 5 have responsibilities in other places.
 6 Q. But you did have in those five ICU's;
 7 correct?
 8 A. Yes.
 9 Q. The five ICU's that you are talking about,
 10 what type of intensive care unit are these?
 11 A. Cardiothoracic intensive care unit.
 12 Q. So there are five cardiothoracic intensive
 13 care units?
 14 A. Yes.
 15 Q. Do they have different types of patients in
 16 the units?
 17 A. No. Just all patients who undergo cardiac
 18 or thoracic surgery.
 19 Q. Is there any reason that a patient would be
 20 put in a particular intensive care unit or is it
 21 on a whatever the bed availability is?
 22 A. There is a tendency to put the patients of
 23 specific surgeons in one or two close units, but
 24 it's just an attempt to make their rounds easier,
 25 but there is no strict rule.

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1 Q. And in regard to the unit that James Long
 2 was in, was that a unit that Dr. Cosgrove's
 3 patients were usually put into?
 4 A. Yes.
 5 Q. How many patients are in that intensive
 6 care unit? What is the maximum?
 7 A. Ten.
 8 Q. And what's the usual in 1996? What was the
 9 usual census in that unit?
 10 A. I don't know.
 11 Q. Do you recall if it usually was to
 12 capacity, to ten patients?
 13 MR. JACKSON: Don't guess. If you
 14 can give her a fair answer, go ahead, but
 15 don't guess.
 16 A. I don't know.
 17 Q. Generally, was there a range as to how many
 18 patients would be in that unit?
 19 A. I know that if you take all the ICU's
 20 together, we have an occupancy rate of somewhere
 21 between 70 and 80 percent, but that's all the
 22 units taken together.
 23 Q. Now, if a patient developed a problem in
 24 one of the units, was there a policy or procedure
 25 that the nurses were to follow in regard to who

Page 25

1 should be notified first?
 2 A. The nurses would be better at answering
 3 what their policies are about.
 4 Q. Well, doctor, if you were director of the
 5 unit, I would think that you would know what the
 6 notification policy would be in regard to
 7 physicians.
 8 A. Yes, I know that the nurses would notify
 9 the surgeons, but I don't know of the actual text
 10 of the policy.
 11 Q. The nurses weren't instructed to call you
 12 first if there was a problem with a patient; is
 13 that correct?
 14 A. No. They would call me if there is a
 15 problem with ventilation, oxygenation, or
 16 sedation.
 17 Q. And then if there was a problem in regard
 18 to what might be considered a surgical problem,
 19 they would call someone on the surgical staff for
 20 that?
 21 A. Probably.
 22 Q. Okay. What I am trying to find out is if
 23 all of the problems went through you first --
 24 A. No.
 25 Q. -- and then to someone else or whether the

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1 nurses had options to call either you or the
 2 surgical department?
 3 A. Okay.
 4 Q. My understanding from what you said and
 5 correct me if I am wrong, is that if there was a
 6 problem with ventilation or oxygen, they would
 7 call you, and if it was another problem, they may
 8 call the surgeon?
 9 A. Correct.
 10 Q. And they have that option?
 11 A. Correct.
 12 Q. Now, doctor, when James Long was admitted
 13 to the intensive care unit, did you do an
 14 evaluation of him?
 15 A. Yes.
 16 Q. And would you tell me what your findings
 17 were in regard to your evaluation? I think I have
 18 provided you -- let's mark this as Plaintiff's
 19 Exhibit 2.
 20 -----
 21 (Thereupon, YARED Deposition
 22 Exhibit 2 was mark'd for
 23 purposes of identification.)
 24 -----
 25 Q. Doctor, if you would just identify what

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1 that document that's been marked as Plaintiff's
 2 Exhibit 2 is.
 3 A. This is ICU admission note and it states
 4 that I received a report from the person
 5 transferring the patient from the operating room
 6 to the ICU.
 7 Do you want me to go through what is
 8 written?
 9 Q. Well, my first question is, what were your
 10 findings on your evaluation?
 11 A. My findings were that the patient was 50
 12 years old, and he had an aortic valve replacement
 13 through a minimally invasive procedure. His left
 14 ventricular function was mildly to moderately
 15 impaired. He had no significant other risk
 16 factors. He had had dental damage during
 17 intubation, but intubation itself was not
 18 difficult.
 19 There was some bleeding that was noticed in
 20 the operating room after cardiopulmonary bypass,
 21 and so then there was a plan or a request to
 22 control blood pressure to systolic pressure of
 23 100, or approximately 100, to help the control of
 24 bleeding.
 25 Now, the patient, when he came up, when I

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1 examined him, he was asleep, he had breath sounds
 2 which were clear, bilateral and clear.
 3 And the plan was to wean him off the
 4 ventilator up to the point where he gets
 5 extubated, but then because of the concern about
 6 maintaining the blood pressure about 100 systolic,
 7 we decided to sedate him. So that we can control
 8 his pressure better, Propofol was chosen to sedate
 9 the patient.
 10 Q. How many chest tubes did he have?
 11 A. That's not something I would know.
 12 Q. So you don't know whether he had a
 13 mediastinal tube or not?
 14 A. All patients come with chest tubes from the
 15 OR after cardiac surgery. I don't know the number
 16 and the exact site. It can vary from patient to
 17 patient.
 18 Q. Did you have any particular concerns
 19 regarding James Long's condition at the time of
 20 admission to the ICU?
 21 A. No. We had a plan but not a concern.
 22 Q. Now, the information that you have listed
 23 in your ICU admission note under the OR course,
 24 you obtained that from the person that transported
 25 the patient from surgery; is that correct?

1 A. Yes.
 2 Q. And that was a physician?
 3 A. Yes. Well it could be a physician, it could
 4 be a CRNA.
 5 Q. In this instance, you are not sure who it
 6 was?
 7 A. I don't remember who it was.
 8 Q. Now, you were told that the bleeding that
 9 James Long had was after he came off
 10 cardiopulmonary bypass; is that correct?
 11 A. Yes.
 12 Q. Where was the site of the bleeding?
 13 A. I do not know. I don't remember. I don't
 14 remember whether I was given that information, but
 15 they had some bleeding and it was controlled. I
 16 suppose, usually we -- nobody closes a chest that
 17 is bleeding. I mean, what I can read here is that
 18 there was bleeding after bypass.
 19 Q. So is it your assumption that this was
 20 after the chest was closed?
 21 A. Oh, no, no. It was before the chest was
 22 closed. No, no, this is after bypass.
 23 Q. After he came off?
 24 A. After bypass and he needed hemostasis. And
 25 then upon arrival to the unit, I don't have

1 evidence that he was bleeding by looking at the
 2 nurses record.
 3 Q. Do you know how much blood loss there was?
 4 MR. JACKSON: You mean in the
 5 operating room?
 6 MS. TOSTI: Yes. He was told that
 7 there was bleeding.
 8 Q. Do you know how much blood loss there was?
 9 A. No.
 10 Q. And to your knowledge, were you informed
 11 about any action that was taken as a result of the
 12 bleeding?
 13 A. Bleeding is a common thing after bypass.
 14 It is not something abnormal. It's common and the
 15 surgeon does what is necessary to stop the
 16 bleeding. So there was simply an increased
 17 concern about the fact that he was bleeding and
 18 there was a plan to keep the pressure under
 19 control.
 20 Q. Now, you mentioned that there was some
 21 additional sedation given to the patient to keep
 22 his blood pressure down below 100; is that
 23 correct?
 24 A. It's not below 100. It's about 100.
 25 Q. Okay. About 100.

1 A. Yes.
 2 Q. And I think you previously mentioned that
 3 this was because he had had prior bleeding; is
 4 that correct?
 5 A. We were concerned about bleeding and it was
 6 desirable to maintain his blood pressure under
 7 control so that the bleeding does not occur.
 8 Q. How would the additional sedation affect
 9 his blood pressure?
 10 A. The sedation will, can decrease his blood
 11 pressure, but it may make control of blood
 12 pressure, that is, it may make it easier to
 13 maintain the blood pressure within a desired
 14 range.
 15 Q. Why is that?
 16 A. Because if a patient is awake or having
 17 pain, or anxious, or confused, then the patient
 18 will have a sympathetic discharge and they can
 19 become tachycardic hypertensive simply as part of
 20 the normal emergent from anesthesia or because of
 21 pain.
 22 Q. Did you receive any information about any
 23 bleeding that occurred before the patient was
 24 weaned from cardiopulmonary bypass?
 25 A. No.

1 Q. To your knowledge, did the size or the
 2 shape of James Long's chest pose any problems to
 3 him during surgery?
 4 A. I don't know.
 5 Q. And other than what you have written in
 6 your admission note, are you aware of any other
 7 problems that James Long had during that first
 8 surgery?
 9 A. No.
 10 Q. Doctor, as anesthesia time increases, is
 11 there an increased risk to the patient?
 12 A. What kind of risk?
 13 Q. For complications.
 14 A. What kind of complications?
 15 Q. For any kind of complications. Is there
 16 any risk to the patient as the time of anesthesia
 17 increases in length?
 18 A. No, not necessarily.
 19 Q. Have you ever seen any studies that shows a
 20 positive correlation between anesthesia time and
 21 complication rates in cardiothoracic surgery
 22 patients?
 23 A. With anesthesia time?
 24 Q. Yes.
 25 A. Specifically?

1 Q. Yes.
 2 A. No. I am not aware of something related
 3 specifically to anesthesia time with complication.
 4 Q. How long is it usually between the time
 5 that anesthesia is begun and the incision in an
 6 aortic valve surgery?
 7 A. It varies. It depends on how long it takes
 8 to expose the heart, and --
 9 Q. Well, tell me what the usual range is in
 10 time.
 11 MR. JACKSON: Don't guess, doctor.
 12 If you can give her a fair answer, go
 13 ahead, but please don't guess.
 14 A. I cannot guess. The range is variability.
 15 Q. In your experience, doctor, from the time
 16 that anesthesia is begun to the first incision,
 17 what's the least amount of time that you have
 18 seen?
 19 A. In an elective cardiac surgical case?
 20 Q. Yes.
 21 A. From the time anesthesia is induced until
 22 the time that the incision is made, it can be
 23 anywhere from -- more than 15 minutes, at least.
 24 Usually it's longer.
 25 Q. Doctor, would you consider two hours from

1 the time of anesthesia to the first incision as
 2 being on the long side?
 3 A. It depends on what was done during those
 4 two hours. It is long if nothing was done, but I
 5 don't know if any studies were done at that time.
 6 Q. Doctor, if it's reported to you in the
 7 intensive care unit that a patient had bleeding
 8 after coming off cardiopulmonary bypass, would
 9 that be a patient that would be watched closely
 10 for continued bleeding in the unit?
 11 A. Every patient is watched closely for
 12 bleeding in the unit.
 13 Q. Would there be any increased concern in
 14 regard to bleeding in a patient that was reported
 15 to you had had bleeding during surgery after
 16 coming off cardiopulmonary bypass?
 17 A. Again, there is increased concern, yet
 18 observation is the same for everybody.
 19 Q. Doctor, your admission note indicates
 20 requested to control blood pressure to systolic of
 21 about 100.
 22 Why was 100 picked as the point to maintain
 23 the blood pressure at?
 24 A. The statement says that I was requested, so
 25 I cannot talk on behalf of the person who

1 requested that.
 2 Q. So in other words, you don't know?
 3 A. It makes -- let's say I cannot say why
 4 specifically 100 was requested, but I think it's
 5 appropriate.
 6 Q. And tell me why you think it's appropriate?
 7 A. It's an appropriate systolic blood pressure
 8 after surgery for a patient in Mr. Long's case.
 9 It's appropriate to have a blood pressure of 100.
 10 Q. Did you have any duties or responsibilities
 11 in titrating medications or managing his care to
 12 control that blood pressure at about 100?
 13 A. In as far as sedation was concerned, and
 14 sedation was part of the procedures to control
 15 blood pressure, yes.
 16 Q. What about in inotropic medications, did
 17 you have any responsibilities in regard to the
 18 titration of those?
 19 A. No.
 20 Q. Now, if James Long's blood pressure went
 21 above 100, would that increase his risk for
 22 bleeding?
 23 A. There is an approximation of 100. I mean
 24 101 is not a problem. Certainly it was estimated
 25 that hypertension may result in bleeding. I don't

1 know of a specific pressure which would be
 2 necessarily associated with bleeding.
 3 Q. Now, doctor, I think I have given you a set
 4 of the nursing flow sheets. They have not been
 5 marked as an exhibit, but I believe there is three
 6 separate sheets from the time of admission, and
 7 they have a number of the hemodynamic parameters
 8 that were taken at or about the time of his
 9 admission.
 10 And I would like you to just look over
 11 those. And I will ask you, were any of the
 12 initial values on admission of any concern to you
 13 in those hemodynamic parameters?
 14 A. They are acceptable.
 15 Q. I'm sorry?
 16 A. They are acceptable.
 17 Q. And those would be the ones that we are
 18 looking at are listed on the line that's
 19 designated with an A?
 20 A. Yes.
 21 Q. And all of those values that run across
 22 those lines were acceptable for this patient?
 23 A. That's at 1730; correct?
 24 Q. Correct?
 25 A. Yes.

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1 Q. What's the normal range for central venous
2 pressure?
3 MR. JACKSON: For what? This kind
4 of a patient; is that what you are talking
5 about?
6 Q. First I want to ask what the normal range
7 is for a central venous patient.
8 A. It depends on the patient.
9 Q. You don't know of a normal range?
10 A. Exactly for which patient?
11 Q. Well, let's take a post-op cardiothoracic
12 patient, what is a normal range for a patient?
13 A. Varies from 6 to 20. It can be 6 to 25.
14 It depends on the patient.
15 Q. And in this case, James Long had a CVP of
16 17 and that would be within a desirable range for
17 him; is that correct?
18 A. It is within the desirable range. It could
19 be -- it varies from patient to patient.
20 Q. But we are talking about James Long and
21 what I am asking you specifically, is that CVP of
22 17 a desirable range for him?
23 A. It is associated with a blood pressure with
24 cardiac output and I think it's fine.
25 Q. Now, what is the normal range for cardiac

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1 output in a post-op cardiothoracic patient?
2 A. It also varies from patient to patient, but
3 usually we try to have it above 2.2, 2.4, and 3.3
4 is perfect. It's very good.
5 Q. Well, in this case, isn't the cardiac
6 output 8.0 and cardiac index 3.3?
7 A. I am sorry, I was talking about the index,
8 so the index of 2.4 or above, 2.2 or above
9 actually is appropriate, and there is no specific
10 upper limit.
11 Q. What does the term systemic vascular
12 resistance refers to?
13 A. It refers to the peripheral arterial tone
14 and whether the arteries are constricted or
15 dilated.
16 Q. And what is the normal range for systemic
17 vascular resistance in a post-op cardiothoracic
18 patient?
19 A. It varies from patient to patient. It also
20 varies with the size of the patient, and so an
21 average range would be 700 to 1,300, 1,400, but
22 again, with larger patients, it would be lower.
23 Q. And in James Long's case, his systemic
24 vascular resistance, I believe, on the A line is
25 listed at 559.

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1 A. Correct.
2 Q. Was that a normal or desirable level for
3 his systemic vascular resistance?
4 A. Mr. Long is -- I don't know his surface
5 area, but I know that he is, he weighs 120 kilos,
6 and for larger patients, a low SVR is expected.
7 And it was appropriate since we were trying to
8 vasodilate him and maintain a blood pressure --
9 the target was not systemic vascular resistance,
10 the target is the blood pressure. The systemic
11 vascular resistance is a calculated number.
12 Q. Well, doctor, isn't there a relationship
13 between systemic vascular resistance and blood
14 pressure?
15 A. There is a relation, but the goal is, we
16 were not titrating or the medical team was not
17 titrating management to a specific systemic
18 vascular resistance. The goal was to maintain
19 arterial pressure, and we expect the systemic
20 resistance to be low since this is our purpose, to
21 vasodilate the patient so that the blood pressure
22 remains low or within a specific range.
23 Q. So, let me see if I understand you
24 correctly. One of the things that was being
25 attempted was to keep the systemic vascular

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1 resistance low in order to keep the blood pressure
2 at the level that was desired?
3 A. That's not what I said.
4 Q. Okay.
5 A. I said the goal is to maintain the blood
6 pressure at a systolic of close to 100. Now, the
7 systemic vascular resistance is a number that is
8 calculated based on the blood pressure and the
9 cardiac output and the CVP, and we do not titrate
10 our management to a specific systemic resistance.
11 We titrate it to achieve our goal, which is a
12 target for the blood pressure to be around 100
13 millimeters mercury systolic.
14 Q. Do you know why he received Levophed in the
15 ICU?
16 A. Because his blood pressure was lower than
17 desired, most likely.
18 Q. And what about epinephrine, why did he
19 receive that, if you know?
20 A. I don't know.
21 Q. Now, after he was admitted to the intensive
22 care unit, how long were you physically in the
23 unit with him?
24 A. I don't know.
25 Q. At the time that he was admitted to the

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1 unit, were there any other physicians present that
 2 were assessing him with you?
 3 A. I do not remember specific people, specific
 4 physicians. I know that there was either a
 5 physician or CRNA reporting to me, and the
 6 surgical resident also comes up with the patient
 7 and he reports to another member of the surgical
 8 team. I don't know who these people were.
 9 Q. Now, doctor, I believe one of the sheets
 10 that I gave you is a set of orders that were
 11 written. Let's put a mark on this.

12 -----

13 (Thereupon, YARED Deposition
 14 Exhibit 3 was mark'd for
 15 purposes of identification.)

16 -----

17 Q. You wrote an order there, I believe, at
 18 1730 hour; is that correct?

19 A. Yes.

20 Q. And that one of the portions of that was
 21 for Propofol for sedation; correct?

22 A. Correct.

23 Q. Was that written at or about the time that
 24 he was admitted to the ICU?

25 A. It says 1730 and that's the time he was

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1 admitted.

2 Q. And is it typical to continue sedation for
 3 patients that undergo cardiothoracic surgery with
 4 Propofol, is that a typical order for a patient?

5 MR. JACKSON: You mean in the ICU
 6 now?

7 MS. TOSTI: Yes.

8 A. To order specifically Propofol or sedation
 9 in general?

10 Sure. It is not the only drug, but it is
 11 one of the drugs we use.

12 Q. And how long would a patient normally be
 13 continued to need sedation with Propofol?

14 A. It varies from patient to patient.

15 Q. And how would you judge as to when you
 16 would start withdrawing Propofol from the patient?

17 A. As long as the patient needs to be sedated
 18 for, the patient would stay on the sedation, which
 19 is Propofol.

20 Now, the goal here was to make sure that he
 21 was, he had an acceptable blood pressure, and that
 22 he was not bleeding, and so the patient was -- so
 23 the goal was to keep him sedated. And it's
 24 titrated to his level of wakefulness.

25 Q. Now, doctor, I would like you to refer back

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1 to your admission note, which I believe is
 2 Plaintiff's Exhibit Number 2, and there are some
 3 blood gas values that are written down the left
 4 hand side of the page.

5 Were those preoperative blood gas values on
 6 this patient?

7 A. Yes.

8 Q. And in regard to the PaO₂, was that a
 9 normal range for this patient?

10 A. Pre-op?

11 Q. Yes.

12 A. Yes.

13 Q. Now, postoperatively, what level would you
 14 like to maintain this patient at in regard to the
 15 PaO₂?

16 A. I would like to have a PaO₂ greater than 60
 17 at any given time.

18 Q. Now, I would like you to take a look at the
 19 ventilation flow sheet and I am going to have our
 20 court reporter mark this as Plaintiff's Exhibit
 21 Number 4.

22 -----

23 (Thereupon, YARED Deposition
 24 Exhibit 4 was mark'd for
 25 purposes of identification.)

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1 -----

2 Q. Down the first column at the bottom, there
 3 are a set of blood gases with the time that they
 4 were drawn written in at 1749. I would like you
 5 to take a look at those.

6 And if you would look at the PaO₂ on that
 7 particular set of blood gases, which I believe
 8 they have written in 689 --

9 A. Yes.

10 Q. Now, is that an acceptable PaO₂ for this
 11 patient?

12 A. PaO₂ is acceptable.

13 Q. Why in James Long's case would there be a
 14 difference of 90 preoperatively and 68 when he is
 15 admitted into the cardiothoracic intensive care?

16 A. All patients have a decreased PaO₂ at
 17 cardiopulmonary bypass and cardiac surgery because
 18 there is increased fluids in the lungs, there is
 19 atelectasis. It's very, very common.

20 Q. Now, doctor, there was a portable chest
 21 X-ray report that was in the medical records, a
 22 chest X-ray that was done shortly after admission
 23 to the ICU.

24 Did you review that chest X-ray on James
 25 Long?

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1 A. I probably saw the chest X-ray.
 2 Q. Were you made aware of the results of that
 3 X-ray by a report or a call or something from
 4 X-ray?
 5 A. I don't remember that.
 6 Q. Generally speaking, if a portable chest is
 7 done in the unit, do you actually get to see the
 8 actual film?
 9 A. We see the film. We don't get the report.
 10 Q. Okay. And if this particular film was done
 11 at 1819 hour, is it likely that you saw that film?
 12 A. It is likely that I saw it. I don't
 13 remember it specifically, what I saw.
 14 Q. Doctor, the film that was done at 1819
 15 hour, the report states that there was some
 16 perihilar congestion on the X-ray.
 17 Is that something that you would expect a
 18 patient to have after coming out of cardiothoracic
 19 surgery?
 20 A. Yes.
 21 Q. That's a normal finding for a patient that
 22 has just had that type of surgery?
 23 A. It's common.
 24 Q. Now, on the nurses flow sheets that you
 25 have in front of you, I would like you to look

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1 again at the hemodynamic monitoring. And at 1850
 2 hour, it indicates that James Long's blood
 3 pressure dropped to 75 over 46 with a mean
 4 arterial pressure of 55 and a pulmonary artery
 5 pressure of 28 over 18, cardiac output of 4.4 and
 6 cardiac index of 2, according to the flow sheet.
 7 Do you know what caused his blood pressure
 8 at that point to drop to 75 over 46?
 9 A. He was on nitroprusside right before that
 10 and it was turned off at that time from what I can
 11 tell on the record here.
 12 Q. Where do you see that he was on it and that
 13 it was turned off?
 14 A. On 1830 he was getting 5 milliliters.
 15 Here.
 16 Q. Okay.
 17 A. It was turned off.
 18 Q. Do you know why it was turned off at that
 19 particular time?
 20 A. Probably because the pressure was coming
 21 down below the target.
 22 Q. Is there anything else that would have
 23 caused or could have caused his blood pressure to
 24 drop and have the same reflection in the other
 25 hemodynamic parameters?

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1 MR. JACKSON: Objection. You can
 2 answer.
 3 A. Hypovolemia.
 4 Q. Could internal bleeding cause those same
 5 changes?
 6 A. It is possible, but there is another
 7 reason, which is his urine output. He was getting
 8 fluid replacement. He had been putting out about
 9 two liters -- I think it's 1,900, I think it's
 10 1,900 cc's in two hours. He received fluid
 11 replacement for that.
 12 Q. Doctor, when his blood pressure dropped to
 13 75 over 46 at 1850 hour, were you notified?
 14 A. I don't recall.
 15 Q. Would this be the type of situation that
 16 the nurses would usually notify you about?
 17 A. No.
 18 Q. Would this be something that they would
 19 normally notify a surgical resident about?
 20 A. Yeah, they would. If they are concerned,
 21 if they are concerned about it, yes. If it is
 22 anything more than turning Nipride off, they would
 23 inform the resident.
 24 Q. Doctor, on the ventilator flow sheet, it
 25 indicates that at 1925 hour, you were at the

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1 bedside. And I believe that is on one of the
 2 exhibits that we have marked as Exhibit 4.
 3 A. Yes.
 4 Q. Do you know why at that particular time you
 5 were at the patient's bedside?
 6 A. I was informed about his blood gases. We
 7 were trying to get his oxygenation better. It's
 8 common that I am informed about the blood gases.
 9 Q. What in particular were you told about the
 10 blood gases?
 11 A. Well, I was informed about the 68, initial
 12 68, and although, as I said earlier, this is
 13 expected, we certainly do certain different
 14 maneuvers to try to improve it.
 15 And PEEP was increased initially and
 16 inspired oxygen was also increased, and then at
 17 1925 the goal was at that time, although we had
 18 adequate blood gases, we want to be able to
 19 decrease the FIO2. So I increased PEEP further at
 20 that time to 10.
 21 Q. And I don't see a value written in here for
 22 the FIO2?
 23 A. Well, you would see it here.
 24 Q. At the top of the page?
 25 A. Yes.

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1 Q. So you were trying to adjust the FIO2 and
 2 so you increased the PEEP on this patient?
 3 A. Correct.
 4 Q. Do you recall who called you to see the
 5 patient at that time?
 6 A. Maybe someone called me and maybe I was
 7 just passing by, I don't know.
 8 Q. And at that point in time, did you have any
 9 concerns that James Long may be having excessive
 10 postoperative bleeding?
 11 A. I don't recall, but I know that when I
 12 stopped by, I look at the overall picture and I
 13 don't recall any specific concerns.
 14 Q. Now, doctor, do you have any
 15 responsibilities in regard to monitoring the
 16 amount of chest tube drainage a post-op surgical
 17 patient has?
 18 A. No.
 19 Q. That's not something that the nurses would
 20 refer to your attention that would go to the
 21 surgical staff; is that correct?
 22 A. Yes. They address it to the surgical
 23 staff.
 24 Q. Doctor, can a rise in CVP pressure and
 25 diastolic blood pressure sometimes be an indicator

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1 of cardiac tamponade?
 2 A. Repeat the question, please.
 3 (Record read.)
 4 A. What diastolic blood pressure? Arterial or
 5 pulmonary arterial pressure?
 6 Q. The diastolic blood pressure that's
 7 recorded on the nursing flow sheets.
 8 A. Under blood pressure here?
 9 Q. Yes.
 10 A. It may happen. It's not diagnostic.
 11 Q. Now, doctor, the ICU flow sheet indicates
 12 that 1930 hour James Long's pulse was up to 107,
 13 his CVP was 19, his diastolic pressure went up to
 14 64, and at about that same time, the nurses
 15 recorded that he had had 250 cc's of drainage into
 16 his chest tubes.
 17 Would any of those values raise a concern
 18 in your mind that this patient may be having
 19 excessive postoperative bleeding?
 20 A. It may. It may. At the same time, his
 21 PEEP was increased. His PEEP can increase a CVP
 22 reading too.
 23 Q. When you saw him at 1925 hour, did you have
 24 any concerns that he was having excessive
 25 bleeding?

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1 A. I don't remember.
 2 Q. Now, at 1930 hour, James Long's systemic
 3 vascular resistance went from 593 to 965 at 1830
 4 hour. What caused that change in the systemic
 5 vascular resistance?
 6 MR. JACKSON: Read that question
 7 back.
 8 (Record read.)
 9 Q. The time that she just read is incorrect.
 10 I probably misstated it.
 11 But if you look at the 1910 time period on
 12 the flow sheet, the systemic vascular resistance
 13 is listed at 593, and then at 1930, the systemic
 14 vascular resistance is indicated at 965.
 15 And my question is, do you know what caused
 16 that change in the systemic vascular resistance?
 17 A. It reflects less dilatation is all I can
 18 say about it.
 19 Q. And you don't have an opinion as to what
 20 would cause James Long's systemic vascular
 21 resistance to change in that period of time?
 22 A. There are many reasons. Many possible
 23 reasons.
 24 Q. What are some of the possible reasons?
 25 A. Maybe he woke up a little bit, maybe he was

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1 stimulated. Although he was not more awake, he
 2 may have been simulated by some procedure, nursing
 3 care or I don't know. Maybe Nipride had been off
 4 for a few minutes, so I suppose it's not, there
 5 was no change in Nipride at that time. He could
 6 be waking up, as I said.
 7 It could be that his arterial pressure is
 8 going up, and there was a small increase in
 9 arterial pressure, and cardiac index came down a
 10 little bit but still within normal. So any of
 11 those changes could have been associated with
 12 increased SVR.
 13 Q. Doctor, an increase in the systemic
 14 vascular resistance at or about the same time that
 15 a patient drains 250 cc's into his chest tube and
 16 also shows a decrease in cardiac output and
 17 cardiac index, does that cause a concern or raise
 18 a concern that this patient may be bleeding?
 19 A. I think the concern about the patient
 20 bleeding was there all the time, and we were told
 21 from the time he came to the unit that there was a
 22 concern about him bleeding. Certainly the concern
 23 is still there.
 24 Now, before we leave that question, I also
 25 notice something else that increases SVR. If you

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1 look under the cardiac infusion, you have Levophed
 2 that was started at 1910 that will increase SVR.
 3 Q. Doctor, tachycardic can be a sign of
 4 hemorrhage; isn't that correct?
 5 A. It can be.
 6 Q. Do you have an opinion as to why James
 7 Long's heart rate was over 100 from 1930 hour
 8 until he was taken back to surgery?
 9 A. Tachycardia is a common response that we
 10 see in cardiac surgical patients. Some of the
 11 same factors I mentioned for the SVR can play a
 12 role; that is, the patient waking up more,
 13 emerging from anesthesia, or being subjected to
 14 more stimulation. Hypovolemia certainly, low
 15 cardiac output also can play a role.
 16 And there is also, there are sympathetic
 17 reflexes that are common in patients who undergo
 18 cardiac surgery that simply have to do with
 19 surgery on mediastinal structures and the
 20 cardiovascular system that results in tachycardia.
 21 Q. Do you have an opinion as to what was
 22 causing a downward trend of his blood pressure
 23 beginning at 1950 hour?
 24 A. 1950?
 25 Q. Correct.

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1 A. Levophed was being turned down at that
 2 time. It had been started at 10 cc's an hour and 5
 3 and 3.
 4 He could have been less stimulated. He
 5 could have -- hypovolemia can also be a factor.
 6 But he still has an acceptable cardiac output and
 7 is diurese, his urine output.
 8 Q. What is the drug Amicar used for?
 9 A. It's an anti-fibrinolytic used when
 10 patients are suspected to have fibrinolysis, and
 11 this is something that happens in most patients
 12 undergoing cardiopulmonary bypass and cardiac
 13 surgery. It occurs to various extent, it is given
 14 to promote hemostasis.
 15 Q. Do most patients that undergo aortic valve
 16 replacement surgery receive Amicar?
 17 A. Many patients receive Amicar.
 18 Q. Do most?
 19 A. Most, yes. I would say most.
 20 Q. Do most patients receive Amicar in the
 21 dosages that James Long received it?
 22 A. Yes.
 23 Q. Now, doctor, the ICU flow sheet indicates
 24 that you were at the bedside at, I believe, 2110
 25 hour. Do you see that?

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1 A. Yes.
 2 Q. And do you have any reason to disagree with
 3 that notation that you were at the bedside then?
 4 A. I do not remember that, but I do not have a
 5 reason to disagree with it. I do make rounds on
 6 the patients while I am in the unit, so I think
 7 that's part of my round.
 8 Q. Do you recall if you were contacted to come
 9 see the patient or whether you were just there
 10 making rounds on the patient at that time?
 11 A. I can only make a guess.
 12 MR. JACKSON: You shouldn't guess.
 13 If you can give an explanation for it, go
 14 ahead, but you shouldn't guess. She
 15 doesn't want you to guess.
 16 A. All right. What I can say is that I saw
 17 Mr. Long before I left, and usually, usually it's
 18 by 9:00 o'clock plus or minus one hour, depending
 19 on how things are in the unit.
 20 But at that time, I think as I finish, as I
 21 do my rounds, I do a round every time I am here
 22 later, so this is part of my routine. And I see
 23 every single patient before I leave the hospital
 24 and leave the resident who is on call here, so I
 25 see every single patient.

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1 And Mr. Long, as I remember, was in the
 2 last bed at 54 or maybe close to the last bed in
 3 54. So he would be the last person or among the
 4 last patients I would see. And it sounds
 5 reasonable to say that I was there at 9:10.
 6 Q. And based on what your usual course of
 7 action is, it's likely that these were rounds that
 8 you were making when you saw him?
 9 A. Most likely, yes.
 10 Q. Doctor, if you would look at the
 11 hemodynamic values that are listed at or about the
 12 time that you are noted to be at the bedside,
 13 looking at those values, is there anything
 14 concerning in them?
 15 A. His cardiac output was a little bit lower
 16 than desired. It was 2.0 here. This is at 9:10
 17 p.m. I don't know whether I was aware of this
 18 cardiac output or not. I don't remember that.
 19 Q. Why would that cardiac output, cardiac
 20 index of 2.0 be of concern?
 21 A. It was below what we target for patients.
 22 We target really 2.2, but it's -- I mean, a
 23 cardiac index that goes down or, you know,
 24 fluctuates is expected in the post cardiac
 25 surgical period, so all it is is something that

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1 tells us that, well, we needed to replace fluids,
 2 perhaps, and try to reestablish a better cardiac
 3 output.
 4 Q. What about his blood pressure that's listed
 5 at that time, 84 over 53?
 6 A. Right. It is probably around the blood
 7 pressure that is being targeted. And at that
 8 time, he was being titrated to adjust the proper
 9 pressure and vascular tone, because he was still
 10 dilated despite the cardiac vasodilation. It's
 11 just an indicator of that.
 12 Q. I would like you to look at the pulmonary
 13 artery pressure. And I think it looks like on my
 14 copy 83 over 52.
 15 MR. JACKSON: What time is that,
 16 please?
 17 MS. TOSTI: 2110, the same line that
 18 we are looking at.
 19 A. I think there was a little circle around
 20 this value and a little note here saying that, I
 21 think it says ART.
 22 Q. Do you know what the significance of that
 23 is?
 24 A. I guess it's an error in the entry. It
 25 looks to me like ART means arterial and this value

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1 is in fact the systemic blood pressure, but this
 2 is what I can conclude from what I see here.
 3 Q. You didn't put those circles around that
 4 value?
 5 A. No.
 6 Q. If that was a pulmonary artery pressure of
 7 83, would that be of concern?
 8 A. Of course.
 9 Q. Why would that be?
 10 A. Because it's a very high pulmonary artery
 11 pressure. I mean, you don't expect this high
 12 artery pressure in a patient without previous
 13 history of pulmonary hypertension.
 14 Q. Would cardiac tamponade cause that type of
 15 a pressure to occur?
 16 A. It's much higher than what we see in a
 17 cardiac tamponade, much, much higher.
 18 Q. Do you know -- and I understand that you
 19 said that you left the unit sometime around 9:00
 20 o'clock or thereabouts. Do you know why there are
 21 no pulmonary artery pressures after 2150 hour in
 22 this case?
 23 A. I wouldn't be able to say.
 24 Q. Doctor, did you ever order a repeat X-ray
 25 for this patient?

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1 A. I don't remember.
 2 Q. If the X-ray department suggested that a
 3 repeat X-ray be done, would that fall to you to
 4 determine or would that be the surgical service
 5 that would determine that?
 6 A. I don't know for what reason it would be
 7 repeated, but I don't know. It would not come to
 8 me.
 9 Q. Is it possible to do a bedside
 10 echocardiogram in the cardiothoracic unit?
 11 A. Yes.
 12 Q. Can surface echoes be done on patients that
 13 have just recently had cardiothoracic surgery?
 14 A. It can.
 15 Q. What about a transesophageal echo, could
 16 that be done on a patient that has just had
 17 cardiothoracic surgery similar to what James Long
 18 had?
 19 A. Yes.
 20 Q. If a patient was having a cardiac
 21 tamponade, would a surface echo or a
 22 transesophageal echo be of assistance in
 23 determining that?
 24 A. If he has a cardiac tamponade?
 25 Q. Yes.

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1 A. It helps.
 2 Q. Is that helpful in diagnosing?
 3 A. It does help.
 4 Q. Doctor, looking over the hemodynamic values
 5 from the time of admission to the time you left
 6 the unit at approximately 9:00 o'clock, can you
 7 tell me if you see any trends in those values that
 8 would be consistent with postoperative bleeding?
 9 A. The variation in the numbers I see here is
 10 all within the usual. Blood pressure is lower
 11 than -- I mean, the blood pressure is low and
 12 maintained to a systolic target of about 100, and
 13 that's done on purpose.
 14 So I see cardiac output going down, but
 15 then there is a good response to fluid
 16 administration. And the decrease in cardiac
 17 output is associated with a large urine output,
 18 and there is a good response to fluid, which you
 19 would not see in tamponade. We don't see such a
 20 dramatic improvement in cardiac index with
 21 tamponade.
 22 Q. During the time that James Long was in the
 23 cardiothoracic unit, do you have a recollection of
 24 discussing his condition or care with any other
 25 physician?

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1 A. I do not remember that.
 2 Q. Did you speak to any member of the Long
 3 family while he was in the ICU?
 4 A. On that day?
 5 Q. Yes.
 6 A. I don't remember.
 7 Q. And doctor, there is a notation on the
 8 nurses notes that a Dr. Hernandez was at the
 9 bedside at 2310. Is it likely that you had
 10 already left the unit by that time?
 11 A. It is likely.
 12 Q. Okay. Dr. Hernandez, do you know him?
 13 A. Yes.
 14 Q. What service is Dr. Hernandez on?
 15 A. Surgical service.
 16 Q. Doctor, there is a notation that Dr.
 17 Cosgrove was in to see the patient at, I believe,
 18 1830 hour. Do you recall being present when Dr.
 19 Cosgrove was there to see the patient?
 20 A. I don't recall.
 21 Q. Do you know whether James Long was seen by
 22 anyone from surgery between the time that Dr.
 23 Cosgrove came in at 1830 -- I'm sorry, at 1810
 24 hour until the time that you left the unit?
 25 A. I don't know.

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1 Q. Did you participate in any way in James
 2 Long's second surgery when he went back because of
 3 bleeding problems?
 4 A. No.
 5 Q. What is your understanding as to what
 6 happened to James Long when he went back to
 7 surgery?
 8 A. He was hypotensive when he arrived to the
 9 OR and that they had to open the chest urgently
 10 and reestablish adequate hemodynamic profile.
 11 Q. And do you have an opinion as to what point
 12 in time James Long suffered ischemic injury to his
 13 brain?
 14 A. No.
 15 Q. Did you speak to the family at any time
 16 after James Long's second surgery?
 17 A. I don't know. I may have spoken with one
 18 or more members of the family because he was in
 19 the unit for a significant period of time, but I
 20 don't recall anything specific.
 21 Q. Did you at any time speak to Dr. Cosgrove
 22 or Dr. Meullbach or Dr. Hearn regarding what
 23 happened to James Long?
 24 MR. JACKSON: He answered that
 25 earlier, I believe, but go ahead, doctor.

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1 A. I may have, I don't know. I don't
 2 remember.
 3 Q. If James Long had been taken back to
 4 surgery earlier on the evening of August 20th, do
 5 you have an opinion as to whether he would have
 6 suffered hypotension and brain damage?
 7 MR. JACKSON: Objection. Go ahead
 8 and answer.
 9 A. I don't know.
 10 Q. And do you have an opinion as to what point
 11 in time, if any, James Long's condition was
 12 irreversible in regard to the brain damage?
 13 A. Could you restate the question, please?
 14 (Record read.)
 15 A. When he failed to wake up after the second
 16 surgery, that was when we had the first indication
 17 that he may have sustained a neurologic insult.
 18 But whether or not it was irreversible is not
 19 something that we could tell at that time.
 20 Q. Did you provide any care or monitoring for
 21 him after his second surgery in the intensive care
 22 unit?
 23 A. Probably I did take, I did participate in
 24 some point in his respiratory management in terms
 25 of getting him off the ventilator.

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1 Q. Do you have an opinion as to James Long's
 2 reasonable life expectancy if he had not suffered
 3 hypotension and severe ischemic brain injury?
 4 A. I am not -- I can't make such a statement.
 5 Q. Are you critical of any other health care
 6 providers that rendered care to James Long?
 7 A. No.
 8 MS. TOSTI: I have no further
 9 questions for you, doctor. I thank you for
 10 your time today.
 11 MR. JACKSON: He will read it.
 12 (Deposition concluded at 11:45
 13 o'clock a.m.; signature not waived.)
 14
 15
 16

Jean-Pierre Yared, M.D.

<p>1 CERTIFICATE</p> <p>2 State of Ohio,)</p> <p>3 County of Cuyahoga.) SS:</p> <p>4</p> <p>5 I, Vivian L. Gordon, a Notary Public within</p> <p>6 and for the State of Ohio, duly commissioned and</p> <p>7 qualified, do hereby certify that the within named</p> <p>8 JEAN-PIERRE P. YARED, M.D. was by me first duly</p> <p>9 sworn to testify to the truth, the whole truth and</p> <p>10 nothing but the truth in the cause aforesaid; that</p> <p>11 the testimony as above set forth was by me reduced</p> <p>12 to stenotypy, afterwards transcribed, and that the</p> <p>13 foregoing is a true and correct transcription of</p> <p>14 the testimony.</p> <p>15 I do further certify that this deposition</p> <p>16 was taken at the time and place specified and was</p> <p>17 completed without adjournment; that I am not a</p> <p>18 relative or attorney for either party or otherwise</p> <p>19 interested in the event of this action.</p> <p>20 IN WITNESS WHEREOF, I have hereunto set my</p> <p>21 hand and affixed my seal of office at Cleveland,</p> <p>22 Ohio, on this 10th day of February, 1999.</p> <p>23</p> <p>24 <i>Vivian L. Gordon</i></p> <p>25 Vivian L. Gordon, Notary Public Within and for the State of Ohio</p> <p>My commission expires May 22, 1999.</p>	

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