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PAGE 6

JEFFERY S. VENDER. M.D. - 2/25/02 EXAMINATION BY MS. TOSTI 5 of those. 1 Do you have a set of records for the 2 doctor to look at, John? 3 MR. JACKSON: I do not. 4 Here. T can maybe save some time on 5 this. Here's a letter, 6 MS. TOSTI: I have his report, 7 \$0 --8 MR. JACKSON: Okay. I will tell q you that what's in his report is all the 10 records that were sent to him. 11 MS. TOSTI: Okay. 12 JEFFERY S. VENDER, M.D., 13 called as a witness by the Plaintiff, pursuant to 14 the provisions of the Ohio Rules of Civil Procedure 15 pertaining to the taking of depositions, having 16 been first duly sworn, was examined and testified 17 18 as follows: EXAMINATION 19 BY MS. TOSTI: 20 Q Doctor, would you please state your full name 21 22 for me. 23 Yeah. Jeffery S. Vender; V, as in Victor, Α ENDER. 24

JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI

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It's under oath. It's important that you understand my questions.

If you don't understand my questions. let me know, and I'll be happy to repeat the question or to rephrase the question. Otherwise, I'm going to assume you understood my question and that you're able to answer it.

It's important that you give all of your answers verbally because the Court Reporter can't take down head nods or hand motions.

At some point defense counsel may choose to enter an objection. You're still required to answer my questions unless he instructs you not to answer them.

At this point you don't have any medical records to refer to, and defense counsel has said he doesn't have any medical records for you to refer to, so I would normally offer you that option if it would be helpful to you in answering the questions.

Do you understand those instructions as I've given them to you?

A Yes.

Q Okay. Doctor, I have a -- a copy of your

- PAGE 8

R JEFFERY S. VENDER, M.D. - 2/25/02 FXAMINATION BY MS. TOSTI JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI 6 report, and in that report it indicates some ۵ And what is your business address? 1 1 materials that you've reviewed in addition to Evanston Northwestern Healthcare. It's 2 2 λ Evanston Hospital, 2650 Ridge -- R I D G E -the depositions of Dr. Cosgrove; 3 3 Dr. Muchlebach, Dr. Hernandez, Dr. Hearn, Evanston 60201. 4 4 Dr. Koch, a Nurse Hrobat, Nurse Young, Nurse 5 5 MR. JACKSON: Let me correct Zilka, Dr. Yared, and the depositions of 6 6 something. 7 Dr. Smith and Dr. Minore, as well as He -- he was sent Dr. Minore's 7 Plaintiff's nursing expert, Miss Smith. deposition, also. That's not listed in his R 8 And T believe defense counsel has also 9 9 report. mentioned, additionally --MS. TOSTI: Okay. Well, ve'll go 10 10 MS. TOSTI: What was the 11 through what he doesn't have. 11 12 additional? MR. JACKSON: I just wanted 12 MR. JACKSON: The deposition of you to -- I made that statement before, but I 13 13 Dr. Minore. 14 need to correct it. 14 MS. TOSTI: I believe that's 15 15 BY MS. TOSTI: in his --16 Have you ever had your deposition taken 16 Q THE WITNESS: No, those are 17 17 before, Doctor? Plaintiff's reports of Smith and Minore --18 Yes. I have. 18 A MS. TOSTI: Okay. 19 Okay. How many times? 19 ۵ THE WITNESS: -- versus the actual 20 Oh, over 50. 2Ø À deposition of --Okay. Well, I'm sure counsel's had a chance 21 21 MS. TOSTI: Have you -to talk with you, but I'm just going to go 55 22 THE WITNESS: I did not review 23 over a few of the ground rules. 23 the -- you alluded to a Nurse Smith's 24 This is a question-and-ansver session. 24

DEPOSITION OF JEFFERY S. VENDER, M.D.

i.

		JEFFERY S. VENDER. M.D 2/25/02 9 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER, M.D 2/25/02 11 EXAMINATION BY MS. TOSTI
1		deposition.	1	Q	Can you tell me approximately how many you do
2		It is actually CV Smith that I reviewed	2		in a year's time?
3		and Minore's deposition that I reviewed.	3	Α	That's variable. I mean, it can be one a
1	BY M	IS. TOSTI:	4		month. It can be two in a month. It could be
5	۵.	Okay. In addition to the Cleveland Clinic	5		12 in a year. I don't really track it. I
5	-	did you review all of the Cleveland Clinic	6		don't know.
7		records of Mr. Long?	7	Q	How many files do you have in your possession
3	λ	I believe so. I mean, I	8		right now that you're currently consulting on?
3		THE WIINESS: Were those the	9	A	Vell, I probably have in my possession 50 or
)		complete records?	10		60, but I don't know if some of those cases
l		MR. JACKSON: Between August 20th	11		could be closed and I'm unavare of it. In
2		and September 13th.	12		fact, I'm sure some are closed but I'm unaware
3		THE VIINESS: Yeah.	13		of it, so I don't know how many are truly
1	RV M	YS. TOSTI:	14		active.
5	0	Okay. He was at a extended care facility	15	Q	And what proportion of the medicolegal matters
3	•	after discharge from Cleveland Clinic. Did	16		on which you've consulted have been for
7		you review any medical records from that	17		plaintiff and what proportion for defendant?
3		extended care facility?	18	A	It's about 10 to 15 percent plaintlff and 85,
3	A	No. I just the autopsy report.	19		90 percent defense.
3	Ô	You have not reviewed any depositions from the	20	Q	And in the cases that you've consulted for
1	Ψ <u>έ</u>	Plaintiff in this case, have you, Christopher	21	-	plaintiff, how many times did you find
2		Long, his deposition?	22		substandard care, what percentage of them?
- 3	A	No.	23	A	Oh what percentage of them?
3 4	â	Okay. Or any of the other lay witnesses that	24		I'd be strictly guessing if I said
PAG	5 1Ø		PAG	E 12	
PAG	5 10		PAG	E 12	JEFFERY S. VENDER, M.D 2/25/02 12
	5 10	JEFFERY S. VENDER. M.D 2/25/02 10 EXAMINATION BY MS. TOSTI		Æ 12	EXAMINATION BY MS. TOSTI
1		JEFFERY S. VENDER, M.D 2/25/02 10 EXAMINATION BY MS. TOSTI have been taken in this case			EXAMINATION BY MS. TOSTI 20 percent, maybe 30 percent.
1 2	A	JEFFERY S. VENDER, M.D 2/25/02 10 EXAMINATION BY MS. TOSTI have been taken in this case Not	1 2	Е 12 Q	EXAMINATION BY MS. TOSTI 20 percent, maybe 30 percent. Now, Doctor, you've mentioned you've had your
1	A	JEFFERY S. VENDER, M.D 2/25/02 10 EXAMINATION BY MS. TOSTI have been taken in this case Not Anthony DeFlavis, Jean DePrisco?	1 2 3		EXAMINATION BY MS. TOSTI 20 percent, maybe 30 percent. Now, Doctor, you've mentioned you've had your deposition taken about 50 times. Was that as
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1 2 3 4 5	A	JEFFERY S. VENDER, M.D. <u>- 2/</u> 25/02 10 EXAMINATION BY MS. TOSTI have been taken in this case Not Anthony DeFlavis, Jean DePrisco? No. In addition to the written medical records,	1 2 3 4 5	Q	EXAMINATION BY MS. TOSTI 20 percent, maybe 30 percent. Now, Doctor, you've mentioned you've had your deposition taken about 50 times. Was that as an expert in medicolegal matters? Correct.
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1234567899123456789912	А Q A Q A Q A Q A	JEFFERY S. VENDER, M.D 2/25/02 10 have been taken in this case Not Anthony DeFlavis, Jean DePrisco? No. In addition to the written medical records, have you reviewed any films of echocardiograms or cath films? No. Have you been provided any deposition summaries in this case? No. Any time-line summaries? No. Doctor, I'd like you to tell me about your experience in medicolegal matters. When's the first time that you offered your service as an expert medicolegal consultant? Well, I wouldn't say 'offered.' The first time I did was probably around 1984. That's pretty representative. Okay. And how many medicolegal matters have you consulted on since then?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	9 A 0 A 0 A 0 A 0 A 0 A 0	20 Percent, maybe 30 percent. Now, Doctor, you've mentioned you've had your deposition taken about 50 times. Was that as an expert in medicolegal matters? Correct. When's the last time that you had your deposition taken as an expert in a medicolegal matter? I would say but I can't be sure within the last six weeks. And what was I could look it up. I mean, I don't know off the top of my head. Okay. What was the name of that case? Don't recall. Actually, I do. I think it was the O'Keefe case, but who O'Keefe versus somebody. Where is that case filed? I want to say Cook County. And were you acting as an expert for plaintiff or defense in that case?
1 2 3 4	А Q A Q A Q A Q A Q A	JEFFERY S. VENDER, M.D 2/25/02 10 have been taken in this case Not Anthony DeFlavis, Jean DePrisco? No. In addition to the written medical records, have you reviewed any films of echocardiograms or cath films? No. Have you been provided any deposition summaries in this case? No. Any time-line summaries? No. Doctor, I'd like you to tell me about your experience in medicolegal matters. When's the first time that you offered your service as an expert medicolegal consultant? Well, I wouldn't say "offered." The first time I did was probably around 1984. That's pretty representative. Okay. And how many medicolegal matters have you consulted on since then?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q A Q A Q A Q A	<pre>20 EXAMINATION BY MS. TOSTI 20 percent, maybe 30 percent. Now, Doctor, you've mentioned you've had your deposition taken about 50 times. Was that as an expert in medicolegal matters? Correct. When's the last time that you had your deposition taken as an expert in a medicolegal matter? I would say but I can't be sure within the last six weeks. And what was I could look it up. I mean, I don't know off the top of my head. Okay. What was the name of that case? Don't recall. Actually, I do. I think it was the O'Keefe case, but who O'Keefe versus somebody. Where is that case filed? I want to say Cook County. And were you acting as an expert for plaintiff</pre>

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		JEFFERY S. VENDER, M.D 2/25/02 13 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER. M.D 2/25/02 15 EXAMINATION BY MS. TOSTI
1	A	Yes, I have.	1	A	Excuse me. I'm sorry for interrupting.
2	0	How many times?	2		I think I did for the materials that had
3	À	Probably 35, 40.	3		been reviewed to date, excluding Dr. Minore's,
4	Q	And in your trial testimony, how many times	4		which came in later.
5	-	how many times out of that was for defendant?	5		MS. TOSTI: Okay. I'm going to
6	A	100 percent for defense. But I think It's	6		make a request for the doctor's billing
7		important to get on the record that wasn't	7		statements in this case.
в		because of refusal to do trials or depositions	8		MR. JACKSON: Okay.
9		on the plaintiffs' side as much as it was	9		THE WIINESS: I'm listening. Keep
١Ø		either the trials the cases settled prior	10		going. I'm valking.
11		to the scheduling of one or the other.	11	BY	MS. TOSTI:
12	Ø	I had	12	Q	Doctor, do you provide your name to any
13		MR. JACKSON: Apparently, when	13		professional services or medicolegal
14		plaintiffs use Dr. Vender, the defendants	14		consulting firms, indicating that you're
15		settle.	15		available to do medicolegal revieus?
16		MS. TOSTI: I'll have to keep that	16	A	NO .
17		in mind.	17	Q	And other than in this case
18	BY	MS. TOSTI:	18		MR. JACKSON: I really wish you
19 -	Q	Have you ever acted as an expert in a case	19		hadn't done that, but I'm glad you did.
20		involving issues of postoperative bleeding in	20		THE WITNESS: "Other than this
21		a cardiothoracic patient?	21		case, yes?
22	Α	I can't say, by recollection, yes or no. I	22	8Y	MS. TOSTI:
23		I don't recail.	53	Q	Other than this case, have you ever been consulted on a medicolegal matter by
- PAG	E 14		PA0	AE 16	
- PAG	E 14	JEFFERY S. VENDER, M.D 2/25/02 14 EXAMINATION BY MS. TOSTI	PAC	i E 16	JEFFERY S. VENDER. M.D 2/25/02 16 EXAMINATION BY MS. TOSTI
- PAG 1	E 14			£ 16	JEFFERY S. VENDER, M.D 2/25/02 16 EXAMINATION BY MS. TOSTI Mr. Jackson or anyone at Mr. Jackson's law
	Е 14 А	JEFFERY S. VENDER, M.D 2/25/02 14 EXAMINATION BY MS. TOSTI	1 2	£ 18	JEFFERY S, VENDER, M.D 2/25/02 16 EXAMINATION BY MS. TOSTI Mr. Jackson or anyone at Mr. Jackson's law firm?
1		JEFFERY S. VENDER, M.D 2/25/02 14 EXAMINATION BY MS. TOSTI postoperative cardiac tamponade?		ЭЕ 16 А	JEFFERY S. VENDER, M.D 2/25/02 16 EXAMINATION BY MS. TOSTI Mr. Jackson or anyone at Mr. Jackson's law firm? I can't answer that. I'm not sure. He
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1		because the lawyers do, not for just paper	1		in June.
2		reasons. It doesn't benefit me and I only	2	A	Okay.
3		retain the chart or things pertinent to the	3	Q	Doctor, I have a copy of your curriculum vitae
4		actual case itself.	4		that was provided to me by Mr. Jackson.
S	Q	Have you ever been named as a defendant in a	5		MR. JACKSON: Jeanne, what he
6		medical negligence case?	6		brought down if you're going to ask him
7	A	Twice. Once in 1979, dismissed prior to any	7		about current, it's laying right there.
8		deposition or anything eise. The second time	8		THE WITNESS: Let me see that one.
9		I would say was approximately I don't	9		It could be just the same one, same set.
10		know 1995, gave a deposition and it was	10		That one's more current.
11		dismissed, no settlements on my behalf in	11		(There followed a discussion
12		either case.	.12		outside the record.)
13	Q	What was the allegation of negligence in those	13		(The document vas thereupon
14	-	two cases?	14		marked Plaintiff's Exhibit
15	A	The first case I have no idea. I was a	15		No. 1 for identification as of
16		treating physician in a case that there was a	16		February 25, 2002.)
17		suit, and I don't know what the allegations	17	BY	MS. TOSTI:
18		vere against me, but like I say, I never even	18	Q	I'm going to ask, Doctor, if you would just
19		got deposed.	19		identify this and then if you would give it
20		In the second case it had to do with	20		back to me as to what that document is for the
21		medical supervision of a resident.	21		record.
22	a	And what were they alleging that you did	22	A	This is what's been handed to me as
23	vat.	improperly?	23		Exhibit 1 is a copy of my curriculum vitae,
24	Ā	Well, that I didn't watch him adequately.	24		representative of my practice and credentials
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	GE 18			9E 20	
	.GE 18	JEFFERY S. VENDER, M.D 2/25/02 18 EXAMINATION BY MS. TOSTI		£ 20	JEFFERY S. VENDER, M.D 2/25/02 20 EXAMINATION BY MS. TOSTI
1	GE 18 Q	JEFFERY S. VENDER, M.D 2/25/02 18 EXAMINATION BY MS. TOSTI Did some harm result or was there an alleged	PA(£ 20	JEFFERY S. VENDER, M.O 2/25/02 20 EXAMINATION BY MS. TOSTI through August 31st, 2001, barring any
1 2		EXAMINATION BY MS. TOSTI		ΞE 20	
-		EXAMINATION BY MS. TOSTI Did some harm result or was there an alleged		£ 20	through August 31st, 2001, barring any
2		EXAMINATION BY MS. TOSTI Did some harm result or was there an alleged harm that resulted because of that?	1	£ 20	through August 31st, 2001, barring any additional publications that might have
2 3	Q	EXAMINATION BY MS. TOSTI Did some harm result or was there an alleged harm that resulted because of that? An alleged one.	1 2 3.	£ 2Ø	through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on
2 3 4	Q A Q	EXAMINATION BY MS. TOSTI Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that?	1 2 3. 4		through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here.
2 3 4 5	Q A Q	EXAMINATION BY MS. TOSTI Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the	1 2 3 4 5		through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections
2 3 4 5 6	Q A Q A	EXAMINATION BY MS. TOSTI Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line.	1 2 3. 4 5 6		through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum
2 3 4 5 6 7	Q A Q A	EXAMINATION BY MS. TOSTI Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient?	1 2 3 4 5 6 7		through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's
2 3 4 5 6 7 8	Q A Q A	EXAMINATION BY MS. TOSTI Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient? He's fine. The surgery had to be canceled for	1 2 3 4 5 6 7 8	Q	through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's Exhibit 1?
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2 3 4 5 6 7 8 9 10	Q A Q A Q A	EXAMINATION BY MS. TOSTI Did some harm result or was there an alieged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient? He's fine. The surgery had to be canceled for a day or a week, whatever. Has your license ever been suspended your	1 2 3 4 5 6 7 8 9 10	Q	through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's Exhibit 1? Not that are substantive to this case. And you believe that are there some
2 3 4 5 6 7 8 9 10 11 12	Q A Q A Q A Q	EXAMINATION BY MS. TOSTI Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient? He's fine. The surgery had to be canceled for a day or a week, whatever. Has your license ever been suspended your medical license ever been suspended, revoked, or called into question?	1 2 3 4 5 6 7 8 9 10 11	Q	through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's Exhibit 1? Not that are substantive to this case. And you believe that are there some additional publications that are not contained
2 3 4 5 6 7 8 9 10 11 12 13	Q A Q A Q A	Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient? He's fine. The surgery had to be canceled for a day or a week, whatever. Has your license ever been suspended your medical license ever been suspended, revoked, or called into question? No.	1 2 3 4 5 6 7 8 9 10 11 11 12	Q A Q	through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's Exhibit 1? Not that are substantive to this case. And you believe that are there some additional publications that are not contained on your curriculum vitae?
2 3 4 5 6 7 8 9 10 11 12 13 14	Q A Q A Q A Q	Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient? He's fine. The surgery had to be canceled for a day or a week, whatever. Has your license ever been suspended your medical license ever been suspended, revoked, or called into question? No. Have you ever had your hospital privileges	1 2 3 4 5 6 7 8 9 10 11 12 13	Q A Q A	through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's Exhibit 1? Not that are substantive to this case. And you believe that are there some additional publications that are not contained on your curriculum vitae? I'm not sure.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q A Q A Q A Q	Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient? He's fine. The surgery had to be canceled for a day or a week, whatever. Has your license ever been suspended your medical license ever been suspended, revoked, or called into question? No. Have you ever had your hospital privileges suspended, revoked, or called into question?	1 2 3 4 5 6 7 8 9 10 11 12 13 14	Q A Q A Q	<pre>through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's Exhibit 1? Not that are substantive to this case. And you believe that are there some additional publications that are not contained on your curriculum vitae? I'm not sure. Okay. I vould any of them that may be</pre>
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q A Q A Q A	Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient? He's fine. The surgery had to be canceled for a day or a week, whatever. Has your license ever been suspended your medical license ever been suspended, revoked, or called into question? No. Have you ever had your hospital privileges suspended, revoked, or called into question? No.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q A Q A	through August 3ist, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's Exhibit 1? Not that are substantive to this case. And you believe that are there some additional publications that are not contained on your curriculum vitae? I'm not sure. Okay. I would any of them that may be pending have any applications for this case?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q A Q A Q A Q A	Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient? He's fine. The surgery had to be canceled for a day or a week, whatever. Has your license ever been suspended your medical license ever been suspended your medical license ever been suspended, revoked, or called into question? No. Have you ever had your hospital privileges suspended, revoked, or called into question? No. Doctor, do you know when this case is set for	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q A Q A Q A	through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's Exhibit 17 Not that are substantive to this case. And you believe that are there some additional publications that are not contained on your curriculum vitae? I'm not sure. Okay. I vould any of them that may be pending have any applications for this case? No.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q A Q A Q A Q A Q A Q	Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient? He's fine. The surgery had to be canceled for a day or a week, whatever. Has your license ever been suspended your medical license ever been suspended, revoked, or called into question? No. Have you ever had your hospital privileges suspended, revoked, or called into question? No.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q A Q A Q A	<pre>through August 3ist, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's Exhibit 1? Not that are substantive to this case. And you believe that are there some additional publications that are not contained on your curriculum vitae? I'm not sure. Okay. I would any of them that may be pending have any applications for this case? No. Doctor, the articles that are contained on</pre>
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q A Q A Q A Q A	Did some harm result or was there an alleged harm that resulted because of that? An alleged one. Okay. What was that? The puncture of a carotid artery in the placement of a central line. What happened to the patient? He's fine. The surgery had to be canceled for a day or a week, whatever. Has your license ever been suspended your medical license ever been suspended your medical license ever been suspended, revoked, or called into question? No. Have you ever had your hospital privileges suspended, revoked, or called into question? No. Doctor, do you know when this case is set for trial?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 19	Q A Q A Q A	<pre>through August 31st, 2001, barring any additional publications that might have occurred since then that are not noted on here. Okay. Are there any additions or corrections that you'd like to make to your curriculum vitae that's been marked as Plaintiff's Exhibit 1? Not that are substantive to this case. And you believe that are there some additional publications that are not contained on your curriculum vitae? I'm not sure. Okay. I would any of them that may be pending have any applications for this case? No. Doctor, the articles that are contained on your curriculum vitae, do any of these deal</pre>

20 Q I take it, then, you haven't been asked to
21 attend trial as yet.
22 A No. I always presume I will unless told

1

23 differently.
24 Q Okay. I believe the case is set for trial

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A

Q

Not that I'm aware of.

Q Okay. Are there any articles contained on

A Not that I'm aware of.

Pardon me?

		JEFFERY S. VENDER, M.D 2/25/02 21 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER, M.D 2/25/02 2: EXAMINATION BY MS. TOSTI
		EXAMINATION BÝ MS. TOSTI			EXAMINATION BY MS. TOSTI
1		your CV that you believe have particular	1	A	In the Evanston Northwestern Healthcare
2		relevance to the issues in this case as you	2		system.
з		understand them?	3	Q	And there is a group of hospitals that belong
4	A	No.	4		to that system?
5	Q	And as you sit here today, are are there	5	A	Correct.
6		any publications that you believe have	6	Q	Okay. Is there a particular hospital that yo
7		particular significance or relevance to the	7		practice from the majority of the time?
8		issues in this case?	8	A	The majority of the time I I am at Evanston
9	À	No.	9		Hospital, but I, at any one point in time,
1Ø	Q	And I'm asking if there's a specific article	10		have been to all of them.
11		that you are aware of at this time.	11	Q	How many beds are in the Evanston Hospital?
12	A	No.	12		Approximately.
13	Q	Doctor, you are board certified in several	13	A	System or this hospital?
14		areas of medicine; is that correct?	14	Q	In this hospital.
15	À	No, just two.	15	A	Four hundred.
16	Q	Just go ahead.	16	Q	Do they have a specific cardiothoracic
17	A	Anesthesiology and then I have a special	17		intensive care for the postoperative
18		certification in critical care, available	18		cardiothoracic care?
19		since 1987.	19	A	It's part of the medical/surgical intensive
Sà	Q	Okay. When did you receive your certification	20		care unit.
21		in anesthesiology?	21	Q	So when a patient undergoes cardiothoracic
22	A	1979.	22		surgery, they go into the general medical/
53	Q	And did you pass that on your first try?	53		surgical intensive care unit?
24	A	Correct.	24	A	Correct.

___ PAGE 22 __

		JEFFERY S. VENDER, M.D 2/25/02 22 EXAMINATION BY MS. TOSTI
1	Q	Okay. And the critical care, you mentioned
2		the date that you received that special
3	A	I did mine I think the initial exam was
4		'87. I think mine was 1968. It says '87 on
5		here. I'm not sure it was '87, '88.
6	Q	Okay. And in regard to that particular
7		certification, did you need any additional
8		credentials besides your residency in
9		anesthesia? What were the requirements or the
1Ø		criteria for that special certification in
11		critical care?
12	A	I can't remember any at this point. I know I
13		had a fellowship in critical care so I had
14		that. It was an exam process at the time, so
15		the certification came through examination
16		process, and there might have been other
17		options to doing it, like 50 percent practice
18		or something.
19		I don't remember what the requirements
50		vere. I know I met them.
21	Q	But there were some additional requirements
22		besides just sitting for the examination?
23	A	I think so.
24	Q	Okay. Where do you have hospital privileges?

___ PAGE 24 ___

		JEFFERY S. VENDER, M.D 2/25/02 24 EXAMINATION BY MS. TOSTI
1	Q	How many beds is that unit?
2	A	It's 18.
3	Q	And is it only surgical patients in there?
4	A	No, it's probably, on average, 70 percent
5		surgical.
6	Q	And would the others be various medical
7		conditions?
8	A	Correct.
9	Q	Okay.
10	A	And then we also have intensive care unit beds
11		that we cover in another unit, but it's really
12		not the medical/surgical; it's overflow.
13	Q	Doctor, do you currently hold an academic
14		appointment?
15	A	I'm a professor of anesthesiology at
16		Northwestern University.
17	Q	And what currently are your administrative
18		positions?
19	A	I'm the chairman of the department of
50		anesthesia at Evanston Northwestern Healthcare
21		and director of critical care services.
22	Q	Is there a particular textbook of
23		anesthesiology that you refer to from time to
24		time that you consider to be the best or one

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JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI

1		that you find to contain reliable information?
2	A	I think there's a number of textbooks
. 3		available in our field that are very well
4		written, offer reasonable information.
5		The word "reliable" is something that
6		needs definition if it's going to be used
7		globally, but those textbooks would be the
8		Miller textbook, the Barash textbook, Kirby,
9		then there are others.
10	Q	¥hat textbook does Northwestern University
11		Medical School utilize with the students?
12	A	Good question. I think they're using
13		Barash's. I'n not sure.
14	Q	Is there a particular echocardiography text
15		that you find to be a reliable source of
16		information?
17	A	Did you say "echo"?
18	Q	Yes.
19	A	There are several there's a lot of
2Ø		echocardiography texts but no. The
51		answer's no.
22	Q	Who is your present employer?
23	Ă	Evanston Northwestern Healthcare.

Q And aside from Evanston Northwestern 24

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		JEFFERY S. VENDER, M.D 2/25/02 26 EXAMINATION BY MS. TOSTI
1		Healthcare, do you provide professional
2		services for any other entity?
3	À	You mean medically?
4	Q	Yes.
S	A	No.
6	Q	Is Evanston Northwestern Healthcare a
7		professional medical group?
8	A	We have Evanston Northwestern Healthcare is
9		a not-for-profit healthcare organization
10		within which there is the Evanston
11		Northwestern Healthcare medical group, of
12		which I am a member.
13	Q	Okay. Are you a part owner or shareholder in
14		that group?
15	A	No, I'n an enployee.
16	Q	I'd like you to describe for me your
17		professional responsibilities and how you
18		divide your professional time.
19	À	Well, within the context of my medical time, I
2Ø		would say it's divided between, really, three
21		areas, critical care, and depending on the
22		week of the month, that could take 25 to
23		50 percent of my time that week, that
24		particular week. And that's clinical.

JEFFERY S. VENDER. M.D. - 2/25/02 EXAMINATION BY MS. TOSTI

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In the operating room, depending on what is going on, I work 25 to 50 percent of the time, and that's ongoing, and that's an average number reflective of the last couple years. Prior to that, it was more.

And then the remainder of my time, in particular -- which has increased to probably 25 to 50 percent, depending on what point in time that is -- would be administrative, and that's primarily increased because of us becoming an independent department versus a division of surgery necessitating a little bit more time commitment. And clearly this is predicated, though, on a seven-day workweek and hours that are clearly more than eight per day.

Q Where in all this does your academic appointment fall?

You had mentioned that you were a professor of anesthesiology with the medical school. Is that part of your clinical time, or do you have additional time that you devote to classroom instruction?

A Being a professor is something that typically

PAGE 28

		JEFFERY S. VENDER, M.D 2/25/02 28 EXAMINATION BY MS. TOSTI
1		comes from either your publications and/or
2		professional commitments, like professional
3		speaking and things of that nature.
4	Q	So you don't have any responsibilities for
5		formal classroom classroom instruction at
6		the medical school?
7	A	Working at Evanston Northwestern, clearly, I
8		do lecture residents and medical students.
9		That could be on our grounds here because they
10		rotate to our institution from the medical
11		school.
12		I have given lectures downtown at the
13		medical school, but those are all scheduled
14		and not necessarily firmly committed to on any
15		regular basis.
16	Q	How often are you involved in doing that?
17	A	Variable. Downtown, probably once a year, and
18		up here it could be 10 times a year.
19		Or more.
20	Q	Nov, Doctor, you had you said that you had
21		an opportunity to review the medical records
22		of James Long.
23		In reviewing the medical records, was
24		there anything that you disagreed with in
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PAGE	E 29	SHEET 8	PERY S. VEN		n.u.
		JEFFERY S. VENDER, M.D 2/25/02 29 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER, M.D 2/25/02 31 EXAMINATION BY MS. TOSTI
1		regard to the assessments of James Long, any	1		at some point afterwards, presented to one of
2		of the interpretations of diagnostic tests	2		our heart surgeons the initial scenarios of
З		that you recall from your review of the	3		the case.
4		records?	4	Q	When you say "some point afterwards," what are
5		MR. JACKSON: I'll object but go	5		you referring to?
8		ahead.	6	À	After receiving the case, reviewing it.
7	A	Yeah. I mean, the form of the question is	6		scenaric playing with the surgeon to see how they would respond without knowing the
8		such that it's difficult for me to understand	. 9		outcomes.
9		when you say do I disagree with, but if you're saying did I is there anything that I sav	10	٥	Okay. And who was the surgeon that you ran
1Ø 11		that I said shouldn't have been done or	11	-	these facts by?
12		deviated from a standard of care that was	12	A	I don't know. It would be one of our heart
13		reasonable versus different methods for	13		surgeons,
14		handling things by different practitioners,	14	Q	And do you recall what he told you?
15		the answer's no.	15	A	Didn't hear anything too unusual.
16	BY	MS. TOSTI:	16	Q	Well, what do you recall his response was to
17	Q	And in regard to any diagnostic studies they	17		the facts as you presented them?
18		had, did you disagree with any of the	18	A	I think it's not what I recall as a response
19		diagnostic impressions?	19		as much as in the scenario playing, what
20	A	Can you be specific?	50		one often tries to do is present the situation
21	Q	I'n asking if you recall anything that you	21		as they see it and blinding the respondent to
55		reviewed, and since you didn't bring your file	22		the outcome because it often is the case, when
23		with you today, it's a little difficult, since	23 24		one retrospectively looks at something, it really prejudices the response positively or
24		I can't look through your file, either, at			
PAG	E 30	JEFFERY S. VENDER, M.D 2/25/02 30 EXAMINATION BY MS. TOSTI		iΕ 32	JEFFERY S. VENDER, M.D 2/25/02 32 EXAMINATION BY MS. TOSTI
					negatively, being influenced by the outcome
1 2		this point. But at as you sit here today, is	2		versus the situational material.
3		there any recollection that you have in your	3		And so I just remember he didn't find
4		review of anything that you disagreed with in	4		anything out of line with it.
5		regard to his diagnostic tests?	5		Now, obviously, there could be some
6	A	No.	6		prejudices there that would be on the negative
7	Q	At any time when you were reviewing this case,	7		side because I think his presumption would be
8		did you ever request that defense counsel	8		why am I presenting this unless something did
9		provide you with any additional materials or	9		go wrong, but without knowing the outcome, he
10		additional records?	10	~	did not find anything particular yrong.
11	A	No.	11	Q	Okay. And what information did you present to him?
12	Q	And all of the depositions that you were	12 13	A	Basically, it was a very generic presentation
13	x	provided, have you read them?	13	л	of Mr. Long's situation in the postoperative
14 15	A Q	Yes. In formulating your opinions in this case, did	15		state, as reflected through the operative
16	**	you refer to any medical literature, journal	16		procedure, the postoperative bleeding, a
1 **			17		little bit of the volatility of the vital
17		articles, or textbooks?	18		signs, and then the interventions.
17 18	A	No.			
1 .	A Q		19	Q	And at what point did you stop providing the
18		No.		Q -	facts and you recall that there is a
18 19		No. And in preparing for this deposition, did you refer to any type of medical literature? No.	19 20 21	Q -	facts and you recall that there is a more or less time line on the ICU flow
18 19 2Ø	Q	No. And in preparing for this deposition, did you refer to any type of medical literature?	19 20 21 22	Q -	facts and you recall that there is a more or less time line on the ICU flow sheets?
18 19 20 21 22 23	Q A	No. And in preparing for this deposition, did you refer to any type of medical literature? No. Have you consulted with any physicians at any time regarding this case?	19 20 21 22 23	<u>ଲ</u> -	facts and you recall that there is a more or less time line on the ICU flow sheets? Did you present it all the way through
18 19 20 21 22	Q A	No. And in preparing for this deposition, did you refer to any type of medical literature? No. Have you consulted with any physicians at any time regarding this case?	19 20 21 22	Q	facts and you recall that there is a more or less time line on the ICU flow sheets?
18 19 20 21 22 23	Q A Q	No. And in preparing for this deposition, did you refer to any type of medical literature? No. Have you consulted with any physicians at any time regarding this case?	19 20 21 22 23	-	facts and you recall that there is a more or less time line on the ICU flow sheets? Did you present it all the way through
18 19 20 21 22 23	Q A Q	No. And in preparing for this deposition, did you refer to any type of medical literature? No. Have you consulted with any physicians at any time regarding this case?	19 20 21 22 23	-	facts and you recall that there is a more or less time line on the ICU flow sheets? Did you present it all the way through

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DEPOSITION OF JEFFERY S. VENDER, M.D.

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		JEFFERY S. VENDER. M.D 2/25/02 33 EXAMINATION BY MS. IOSTI			
1	A	Pretty much. By by the way, this was all		1	
2		by recollection because this was a while ago.		2	<u>}</u>
3		but by recollection, it was sometime up		5	3
4		prior to the final few hundred-cc bleed that's		6	ş
5		referred to in the 2210, 2230 time period.		5	5
6		It's up and to that point.		6	5
7	Q	Have you ever met or had any contact with		1	?
8		Dr. Delos Cosgrove?		{	3
9	A	No. No one in the case I don't know don't		5	3
1Ø		know any of them.		16	Ĵ
11	Q	Okay. I'm going to mention some of them.		1	1
12		Dr. Muchlebach you've never met or had contact		12	2
13		with?		1:	3
14	A	No.		1,	4
15	Q	Okay. Or Dr. Charles Hearn or Dr. Colleen		1	5
16		Koch and I'm not sure I'm pronouncing her		1	3
17		name correctly.		1	7
18	A	No.		1	3
19		None of the nurses, no.		1	Э
20	Q	Or Dr. Yared or Dr. Hernandez?		S	ð
21	A	NO.		5	1
22	Q	Have you ever met or had any contact with any		2	2
23		of the experts that have been identified in	i interioral de	2	3
24		this case, either for Plaintiff or for	STREET, BALLER	2	4
			OPERATO		
			1	L	PÀ
PAa	E 34	************************************			1.17
		JEFFERY S. VENDER, M.D 2/25/02 34 EXAMINATION BY MS. TOSTI			
		De Can dent 3	Ì		,

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	Defendant?
A	I know Dr. Minore.
Q	Okay. How do you know Dr. Minore?
A	He's an anesthesiologist here in Illinois, in
	Rockford, and I've spoken in his town. I
	think I've spoken to his hospital.
Q	Okay. You have never met or had contact with
	Dr. Mehnet Oz or Dr. Timothy Lyons?
A.	Don't no. I've spoken at Columbia where Oz
	is, but I don't know him.
Q	Have you read the report of Nurse Mary Anne
	Belanger?
A	Is that the Plaintiff's expert nurse?
Q	Have you have you read Plaintiff's expert
	nurse's report?
A	There was a report and I can't remember the
	name on it, so I can't I can't answer that
	right nov.
	MR. JACKSON: From one of the
	nurses?
	THE WITNESS: Not a deposition. I
	didn't read any deposition. There were two
	reports, and I can't remember. One was a
	Minore report.
	Q A Q A. Q A Q

		JEFFERY S. VENDER, M.D 2/25/02 35 EXAMINATION BY MS. TOSTI
1		MR. JACKSON: The other one was
2		Dr. Smith.
3		THE WIINESS: Okay.
4	λ	(Continuing.) So no. The answer's no on the
5	-	nurse.
6	BY M	NS. TOSTI:
7	Q	In reviewing this case, did you generate any
8	-	personal notes?
9	λ	No, other no, other than what you've got
9 10		here.
110	Q	And you're referring to your report?
11 12	ų A	Correct.
12 13	A Q	And you have seen Dr. Vernon Smith and
	અન	And you have seen or, vernon Smith and Dr. Minore's reports; correct?
14 15	2	
15 16	Â	Reports, yes. Ves.
16 17	Q	Yes. Have you ever been involved in any
17		Have you ever been involved in any
18		research involved with postoperative cardiac
19		tamponade?
2Ø	A	Research, no.
21	Q	What about postoperative bleeding in
22		cardiothoracic patients?
23	A	Research, no.
	Q	Do you personally provide anesthesia services
24	AGE 36	
	AGE 36	
	AGE 36	JEFFERY S. VENDER. M.D 2/25/02 36 EXAMINATION BY MS. TOSTI
	AGE 36	
P)	4GE 36	JEFFERY S. VENDER, M.D 2/25/02 36 EXAMINATION BY MS. IOSTI
p;	AGE 36 A	JEFFERY S. VENDER. M.D 2/25/02 36 EXAMINATION BY MS. TOSTI for cardiothoracic surgery service at Evanston? Correct. Yes.
P; 1 2		JEFFERY S. VENDER. M.D 2/25/02 36 EXAMINATION BY MS. TOSTI for cardiothoracic surgery service at Evanston?
1 2 3	A	JEFFERY S. VENDER. M.D 2/25/02 36 EXAMINATION BY MS. TOSTI for cardiothoracic surgery service at Evanston? Correct. Yes.
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SONNTAG REPORTING SERVICE, LTD. (800)232-0265 FAX (630)232-4999

DEPOSITION OF JEFFERY S. VENDER, M.D.

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1		can't say what mine are.	1		contacted and it's after, say, 7:00 p.m. at
2	Q	Tell me what your experience is in providing	2		night, what's the procedure? Who do they
3	-	anesthesia for minimally invasive valve	3		contact?
4		replacements.	4	A	Depending on what they perceive as the
5	A	Zero.	5		problem, they'll either call one of the
6	Q	Are there any cardiothoracic surgeons that are	- 6		intensive care people on call and/or the
7		doing minimally invasive procedures	7		cardiac surgeon involved, primary cardiac
8	A	Not that	8		surgeon.
9	Q	at Evanston Hospital?	9	Q	So the cardiac surgeons stay on call at night?
10	A	Sorry.	10	A	Sure.
11		Not that I'm avare of.	11	Q	Okay. Nov, Doctor, you mentioned previously
12	Q	Is there a reason that you know of why they're	12		that you spend a good deal of your time in the
13		not being done here?	13		intensive care unit.
14	λ	No, other than, you know, not not everybody	14		Is it the unit that we were previously
15		does then.	15		talking about, that postoperative unit that
16	Q	Doctor, in the Evanston Hospital postoperative	16		has mostly surgical patients in it?
17		unit, where the cardiothoracic patients go,	17	A	Yes.
18		what type of physician coverage does that unit	18	Q	Okay. Tell me a little bit about what your
19		have? How are they staffed?	19		responsibilities are in that unit, what
20	A	We have the primary service, which is the	20		you do.
21	•	cardiac service, who has their patients in the	21	A	Well, I'm the I'm the head of
22		unit. They're involved, obviously, with	22		historically I've been the head
23		direct patient care of their own patients.	23		administrator for critical care services in our institution as of recently but, prior to
_ PAG	E 38			AGE 40	
- PAG	E 38			AGE 4Ø	
_ PAG	E 38	JEFFERY S. VENDER. M.D 2/25/02 38 EXAMINATION BY MS. TOSTI		AGE 4Ø	JEFFERY S. VENDER. M.D 2/25/02 40 EXAMINATION BY MS. TOSTI
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 19 10 11 12 13 14 15 16 17 19 10 11 12 13 14 15 16 17 18 19 19 10 11 12 13 14 15 16 17 18 19 19 19 10 11 12 15 16 17 18 19 19 19 19 19 19 19 19 19 19	Q A Q A Q A Q	JEFFERY S. VENDER, M.D 2/25/02 38 intensive care group, which I oversee. With full-time day coverage there and then coverage by beeper at night. We have moonlighting people at night, we have house staff at night, and we have nurse practitioners who also are involved with the residents. The moonlighting and house staff physicians, what area of expertise are they? They're variable. The majority are cardiology and pulmonary and/or medical house staff. Now, you also mentioned that you have some did you say nurse clinicians that are available in the area? Nurse-practitioners. Nurse-practitioners. Nurse-practitioners. No. OKay. When are they there?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q A Q	JEFFERY S. VENDER, M.D 2/25/02 that, in the medical/surgical intensive care unit since 1987. That's administrative involvement with, you know, nursing and triaging, policies and procedures and things of that nature. And then, in addition to that, I've beer one of five practitioners who rotate on a weekly basis for weekend call responsibility in the intensive care unit as a consultant to critical care patients and the managers of the ventilators. So currently, on a weekly basis, how much time are you in the ICU? Well, since we do it by the week, every few weeks I'm in there, but the other weeks I'm just there administratively. I'm not taking care of patients. And how often do you rotate in and actually are carrying out clinical responsibilities in
1 2 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 13 14 5 6 7 8 9 10 11 11 12 11 11 11 11 11 11 11 11 11 11	Q A Q A Q A Q	JEFFERY S. VENDER, M.D 2/25/02 38 intensive care group, which I oversee. With full-time day coverage there and then coverage by beeper at night. We have noonlighting people at night, we have house staff at night, and we have nurse practitioners who also are involved with the residents. The moonlighting and house staff physicians, what area of expertise are they? They're variable. The majority are cardiology and pulmonary and/or medical house staff. Now, you also mentioned that you have some did you say nurse clinicians that are available in the area? Nurse-practitioners. Nurse-practitioners. Nurse-practitioners. No. Okay. When are they there? Mostly during the day. And the CV	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q A A	JEFFERY S. VENDER, M.D 2/25/02 that, in the medical/surgical intensive care unit since 1987. That's administrative involvement with, you know, nursing and triaging, policies and procedures and things of that nature. And then, in addition to that, I've beer one of five practitioners who rotate on a weekly basis for weekend call responsibility in the intensive care unit as a consultant to critical care patients and the managers of the ventilators. So currently, on a weekly basis, how much time are you in the ICU? Well, since we do it by the week, every few weeks I'm in there, but the other weeks I'm just there administratively. I'm not taking care of patients. And how often do you rotate in and actually are carrying out clinical responsibilities in the unit? How many

DEPOSITION	0F	JEFFERY	s٠	VENDER,	M.D.

PAG	E 41	DEPOSITION OF JEF		NDER, NE 43	M.D.
		JEFFERY S. VENDER. M.D. 2/25/02 41 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER, M.D 2/25/02 43 EXAMINATION BY MS. TOSTI
1	Q	And then are you in there for seven days?	1	A	Can be either/or, I should have said.
2	A	Սի-իսի.	2	Q	Do you have training in echocardiography?
3		MR. JACKSON: You should say yes so	3	A	No. Not formal training, no.
4		that she has it.	4		We have seven certified
5	Α	(Continuing.) Yes.	5		anesthesiologists in our group, not to
6		THE WITNESS: I'm sorry.	6		mention the cardiologists. That all came
7		MR. JACKSON: Thank you.	7		about after my training time period, so I'm
6	BY	MS. TOSTI:	6		involved with them, but no, I don't have
9	Q	Okay. And when you are in when it's your	9		formal training.
1Ø		week and you're in the ICU, tell me what it	1Ø	Q	Okay. And just in follow-up, do you do you
11		is you do in the ICU, what your	11		do any intraoperative transesophageal echoes?
12		responsibilities are.	12	A	It's often done on my cases but not by me.
13	A.	We consult on new admissions. We see all of	13	Q	And you would not consider yourself an expert
14		the patients, either from a clinical care	14		on echocardlography?
15		standpoint or and consultation or	15	Α	Do not, no.
16		educational standpoint with house staff, and	16	Q	Okay. Are you sometimes in a position,
17		we manage all of the ventilators that are in	17		though, to order an echocard echocardiogram
18		the unit and ventilators that are in any acute	18		on patients
19		care setting.	19	A	Sure.
20	Q	Now. Doctor, do you have responsibilities for	20	۵	in the intensive care unit?
21	4	managing vasopressors or for vatching chest	21	A	Sure
22		tube drainage or any of those types of things	22	 ۵	And do you sometimes evaluate the results of
23		for the patients?	23	-	the echocardiograms in conjunction with the
24	Å	We participate with all the primary care	24		echocardiographer?
PA0	3E 42		PA	GE 44	
		JEFFERY S. VENDER, M.D 2/25/02 42 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER, M.D 2/25/02 44 EXAMINATION BY MS. TOSTI
1		services. This is not a closed ICU. It's	1	A	sure.
ź		semiopen, semiclosed, meaning we have a	2	۰. ۵	And can you tell me, from the perspective of a
3		critical care service that sees everybody. We	3	-	postoperative cardiothoracic patient, what
4		have a primary service and responsibility.	4		type of information an echocardiogram provides
5		which is the surgical service or primary	5		you in regard to cardiac function.
5 6		medical admitting physician.	6	À	It can show you, you know, wall motion
7		We have various degrees of liberty that	7	~	abnormalities. It can show you ventricular
, 8		we work out with the individual practitioners	8		volume and filling. It can show you function
			9		through ejection fraction and outputs. It can
9		or service on how many we will or won't do,			show you the presence of pericardial fluid.
10		which could include the management of	10		
11		vasoactive agents and/or sedation and/or	11		It can show you valvular function.
12	~	mechanical ventilation.	12	~	Those are the key things.
13	Q	Okay. So you don't have a set policy or	13	Q	Now, do you have any responsibilities in your

- hings. ponsibilities in your unit for supervising the nursing staff?
 - A We work professionally in conjunction with nursing staff.

- Supervisory roles of nursing staff are by nurses.
- Q Okay. And do you have any responsibilities for setting the policies and procedures that the nurses are to follow in the ICU?
- 22 A Well, if we have protocols, often they're done 23 in conjunction with nursing, or if we do it, one way or the other, it's eventually in 24

- PAGË	42	
		JEFFERY S. VENDER. M.D 2/25/02 42 EXAMINATION BY MS. TOSTI
1		services. This is not a closed ICU. It's
2		semiopen, semiclosed, meaning we have a
3		critical care service that sees everybody. We
4		have a primary service and responsibility.
5		which is the surgical service or primary
6		medical admitting physician.
7		We have various degrees of liberty that
8		we work out with the individual practitioners
9		or service on how many we will or won't do,
10		which could include the management of
11		vasoactive agents and/or sedation and/or
12		mechanical ventilation.
13	Q	Okay. So you don't have a set policy or
14		procedure that goes over all the patients, the
1S		postoperative patients in the unit?
16	A	No.
17	Q	Okay. Generally speaking, is the management
18		of vasopressors and management of chest type
19		drainage and fluid replacement something that
20		falls to the surgical staff or that which
21		falls to the person that's the intensive
22		coverage of the unit for that week?
23	A	Both.
24	Q	And do you
		·

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			JEFFERY S. VENDER. M.D 2/25/02 45 EXAMINATION BY MS. IOSTI			JEFFERY S. VENDER, M.D 2/25/02 47 EXAMINATION BY MS. TOSTI
	1		conjunction, so the answer would be yes.	1		I'll go back to the original statement:
	2 0	Q	And do you consider yourself an expert in	2		I don't know anesthesia's responsibilities at
	3		nursing care?	3		the clinic.
	4	A	NO .	4	Q	Okay. Well, Doctor, I believe you've been
1	5		I haven't met any doctors who are.	5		identified as an anesthesiology expert in this
	6 (Q	In general, what is your understanding as to	6		case
1	7		the duties and the responsibilities of the	7	A	Uh-hun,
	8		Cleveland Clinic anesthesia department	8	Q	and that you are rendering opinions as to
	9		personnel regarding James Long's management in	9		whether or not they met the standard of care,
	10		the ICU?	1Ø		so my guestions to you are in regard to what
		Å	I I'n didn't read any policies and	11		their duties and responsibilities were. So you understand why I'm asking you
1	12		procedures as it relates to that. I know that	12		these questions?
	13		they are involved in the intensive care unit,	13		MR. JACKSON: Well, I'll object,
	14		in the context that Dr. Yared came through there and there's pain management involved. I	15		Jeanne, because I don't think he was
	15 16		don't know their exact involvement as it	16		identified specifically as just an anesthesia
1	17		relates to the care of the postcardiac	17		expert dealing with anesthesiology matters,
	18		surgical patient.	18		So I disagree with your characterization
	19		I do know that they have critical care	19		but go ahead.
1	20		services they clinic, but that's just from	20	BY	MS. TOSTI:
	21		outside knowledge, but I don't know the	21	Q	Doctor, in your report of August 14th
ł	22		policies and procedures.	55	A	Uh-huh yes.
	23	Q	Okay. Well, my question was in regard to the	23	Q	in paragraph 2 you indicate, "Based on my
Redolardo	24		duties and the responsibilities of the	24		review of the above, with a primary focus on
terration of the						
	- PAGE	46		PA	GE 48	
	- PAGE	46	JEFFERY S. VENDER, M.D 2/25/02 46 EXAMINATION BY MS. TOSTI		GE 48	JEFFERY S. VENDER, M.D 2/25/02 48 EXAMINATION BY MS. TOSTI
	- PAGE 1	46	JEFFERY S. VENDER, M.D 2/25/02 46 EXAMINATION BY MS. TOSTI anesthesia department personnel		GE 48	JEFFERY S. VENDER. M.D 2/25/02 48 EXAMINATION BY MS. TOSTI the anesthetic care."
	1 2	A	anesthesia department personnel Don't know.	1 2	GE 48	JEFFERY S, VENDER, M.D 2/25/02 48 EXAMINATION BY MS. TOSTI the anesthetic care." Was that, in fact, what you were
	1 2 3	A Q	anesthesia department personnel Don't know. in the ICU.	1 2 3	GE 48	JEFFERY S. VENDER, M.D 2/25/02 48 EXAMINATION BY MS. TOSTI the anesthetic care." Was that, in fact, what you were focusing on primarily in your review of this
	1 2 3 4	A Q A	anesthesia department personnel Don't know. in the ICU. Don't know.	1 2 3 4		JEFFERY S. VENDER, M.D 2/25/02 48 EXAMINATION BY MS. TOSTI the anesthetic care.' Was that, in fact, what you were focusing on primarily in your review of this case?
	1 2 3 4 5	A Q	anesthesia department personnel Don't know. in the ICU. Don't know. Do you know whether the anesthesia personnel	1 2 3 4 5	GE 48 A	JEFFERY S. VENDER, M.D 2/25/02 48 EXAMINATION BY MS. TOSTI the anesthetic care.' Was that, in fact, what you were focusing on primarily in your review of this case? Well, obviously, since I'm an
	1 2 3 4 5 6	A Q A	anesthesia department personnel Don't know. in the ICU. Don't know. Do you know whether the anesthesia personnel had responsibility for managing the sedation	1 2 3 4 5 6		JEFFERY S. VENDER, M.D 2/25/02 48 EXAMINATION BY MS. TOSTI the anesthetic care." Was that, in fact, what you were focusing on primarily in your review of this case? Well, obviously, since I'm an anesthesiologist, I look for any aberrations
	1 2 3 4 5 6 7	A Q A Q	anesthesia department personnel Don't know. in the ICU. Don't know. Do you know whether the anesthesia personnel had responsibility for managing the sedation on James Long?	1 2 3 4 5		JEFFERY S. VENDER, M.D 2/25/02 48 EXAMINATION BY MS. TOSTI the anesthetic care.' Was that, in fact, what you were focusing on primarily in your review of this case? Well, obviously, since I'm an
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DEPOSITION OF JEFFERY S. VENDER, M.D.

		JEFFERY S. VENDER, M.D 2/25/02 49 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER, M.D 2/25/02 51 EXAMINATION BY MS. TOSTI
1		personnel in this case; correct?	1	A	Yes.
5	A	I read the depositions of Hearn, Yared, and	2	Q	Now, Doctor, for the remaining part of this
3		Koch Koch.	3		deposition, I'm going to be speaking
4	Q	And you in those depositions, do you recall	4		specifically in reference to aortic valve
5	-	them defining what they felt their	5		replacement surgery. I may just say 'surgical
-			6		post-op patient, but that's what I'm
6		responsibilities were in regard to James	7		referring to, and if I mean something else.
7		Long's care and in regard to some of the			
8		issues that I just mentioned?	8		I'll let you know.
.9	A	Well, they gave variable answers because	9	A	Fine.
1Ø		they're all involved at variable points in	10	Q	And when I'm speaking of the postoperative
11		time, so none of them were identical, as	11		period, I'm speaking of the immediate
12		representing anesthesia, versus what their own	12		postoperative period, that first 12 hours or
13		roles were.	13		so right after surgery.
14		And I don't specifically because it	14	A	Fine.
15		did not stand out as an abnormality to me	15	Q	Okay. Is there a point in time after aortic
15 16		remember any of the specific language that	16		valve replacement surgery at which you
		defines specifically what you are alluding to.	17		anticipate that the patient's cardiac index is
17	~		18		going to approximate what it was at the close
18	Q	Well, we're talking about the duties and the	10		of surgery?
19		responsibilities of the anesthesia personnel	19	A	Variable.
50		to James Long in the ICU.			
21	A	Clearly, from my review of their particulars,	21	Q	So there isn't a point when you, as an
22		without seeing specifically what you are	22		intensivist, would say, "Well, this patient
23		referring to, I found nothing that they did	23		should now have gotten over that initial
24		not adhere to their own perspectives of what	24		postoperative period and should be about what
– PAG	E 5Ø		PA	GE 52	
- PAG	E 50	JEFFERY S. VENDER, M.D 2/25/02 50 EXAMINATION BY MS. TOSTI	ания ра	GE 52	
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PAG	£ 53	SHEET 14	FFERY S. VEND		
		JEFFERY S. VENDER, M.D 2/25/02 53 EXAMINATION BY MS. TOSTI			
1		Typically, many of the patients their	1		ven
2		cardiac outputs will be variable from the end	2	A	Bas
3		of surgery because, all of a sudden, they're	3		rec
4		waking up.	4		her
5		Intraoperatively, at the end of the	5		hyp
6		surgery, you have an anesthetized patient. In	6		dys
7		the postoperative period, similar to Mr. Long,	7		а.
8		when he comes back to the intensive care unit,	8		
9		he is responsive. He's then sedated.	9		sor
12		Depending on the degree of sedation and	10		bac
		when if it's an early extubation, the	11		
11		hemodynamics can be very different if a	12		
12		patient is anesthetized.	13		
13			14		
14		So anybody that says there's a singular	15	av i	(S. 1
15	~	answer to that, I disagree with them.	16	Q	In
16	Q	In a patient who's undergoing aortic valve	17	-	rep
17		replacement, does preoperative left	19		sug
18		ventricular hypertrophy increase the risk for			car
19		hypertension in the immediate postoperative	19	2	Ve.
20		period?	20	A	មាដេ.
21	A	The preoperative presence of left ventricular	21		6
22		hypertrophy is classically present in patients	22		fui
23		with aortic stenosis.	23		hyi
24		When you repair the stenosis, the	24		<u></u> ф6,
	and carlot in the second		PAGE	- SC	
PA	GE 54			, 36	
		JEFFERY S. VENDER, M.D. 2/25/02 54 EXAMINATION BY MS. TOSTI			
1		increased ejection and cardiac function that	1		MU
2		can occur can alter the hemodynamics and blood	2	Q	An
3		pressure, but once again, blood pressure is a	3		са
4		variable thing, depending on medications and a	4		١n
5		lot of other things, and the left ventricular	5		th
6		hypertrophy itself, I don't recognize it as,	6	A	Co
7		you know, significantly influencing	7	Q	An
6		hypertension.	8		ca
9	Q	Have you seen patients with preoperative left	9		pe
10		ventricular hypertrophy who have required	10	A	Th
11		medications to reduce their blood pressure	11		
12		during the first few hours after aortic valve	12		to
					ti
13		replacement?	13		
	A		13 14		of
13	A	replacement?			
13 14	A	replacement? Well, you know, classically, with aortic	14		of
13 14 15 16	A	replacement? Well, you know, classically, with aortic stenosis, prerepair you never want to lover	14 15		of gr
13 14 15 16 17	A	replacement? Well, you know, classically, with aortic stenosis, prerepair you never want to lower the blood pressures, and because of diastolic filling of the coronary arteries.	14 15 16		of gr
13 14 15 16 17 18	A	replacement? Well, you know, classically, with aortic stenosis, prerepair you never want to lower the blood pressures, and because of diastolic filling of the coronary arteries. Postoperatively and if we're going to	14 15 16 17		of gr he
13 14 15 16 17 18 19	A	replacement? Weil, you know, classically, with aortic stenosis, prerepair you never want to lower the blood pressures, and because of diastolic filling of the coronary arteries. Postoperatively and if we're going to try to stick to this case and maybe that	14 15 16 17 18		of gr he ar
13 14 15 16 17 18 19 20	A	replacement? Weil, you know, classically, with aortic stenosis, prerepair you never want to lower the blood pressures, and because of diastolic filling of the coronary arteries. Postoperatively and if we're going to try to stick to this case and maybe that wasn't your intent there are plenty of	14 15 16 17 19	Q	of gr he ar
13 14 15 16 17 18 19	A	replacement? Weil, you know, classically, with aortic stenosis, prerepair you never want to lower the blood pressures, and because of diastolic filling of the coronary arteries. Postoperatively and if we're going to try to stick to this case and maybe that	14 15 16 17 18 19 20	Q	of gr he ar va

JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI 55 ntricular hypertrophy prior to surgery? used on the echocardiogram and strictly by collection -- because I'm not reading it re -- I recall him having left ventricular pertrophy, and I think he had some sfunction of the left ventricle, I think .54 opening on the volume. THE WITNESS: Can I just grab mething real quick out here. I'll be right ick . (Whereupon, a recess was had at 3:05 p.m., after which the deposition was resumed at 3:07 p.m. as follows:) TOSTI: a patient who has undergone aortic valve eplacement, does a falling cardiac index uggest that there may be problems with ardiac function? ell, that's -- that's a very large statement. Could it be due to falling cardiac unction? Yes. It can also be due to upovolemia. It could be due to changes in etabolics, temperature, lots of things. Very

JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI 56 ultifactorial.

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2	Q	And would you agree that, when a postoperative
3		cardiac surgery patient exhibits hemodynamic
4		instability, that it's important to look for
5		the cause of the instability?
6	A	Correct.
7	Q	And isn't it also true that, when a patient's
8		cardiac index goes down, the coronary
9		perfusion also goes down?
ø	A	That well, there's a couple of statements.
1		Coronary perfusion is primarily related
2.		to diastolic pressure and diastolic filling
3		time, which they can be impacted by low states
4		of perfusion in general, but you can have a
5		great cardiac output and an exceptionally high
6		heart rate and have no diastolic filling time.
?		You could have a great cardiac output
8		and no diastolic pressure because of severe
9		vasodilatation, and it can impact it.
Ø		So once again, not a singular answer.
1	Q	Okay. But with the cardiac index, when that
2		goes down, does the coronary perfusion go
3		down?
4	A	I think, if it goes down significantly when

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bleeding.

Q In James Long's case, did he have left

		JEFFERY S. VENDER, M.D 2/25/02 57 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER, M.D 2/25/02 5 EXAMINATION BY MS. IOSTI
1		we're talking about a cardiac Index of 2.50 in	1		narrowed pulse pressure.
2		somebody without significant coronary disease.	. 2		Those are the key things. Increasing
3		it's insignificant.	.3		heart rate, tachycardia.
4	Q	In a postoperative aortic valve patient, if	4	Q	Do you have to have all of those present in
5		the cardiac index falls from 0.0 on admission	5		order to have a cardiac tamponade?
6		to the unit down to 2 over the course of an	6	A	No.
7		hour and 20 minutes, should that raise a level	7	Q	Would you agree that another sign of cardiac
8		of concern for cardiac function?	8		tamponade might be the gradual increasing
9	A	Well, I think you misrepresented the	9		requirements for entropic or pressor support
1Ø		information. I think you just said a cardiac	10	A	Well, as a response to a number of the things
11		index of 8.0 failing to 2.	11		I mentioned, if you had the problems I allude
12		I think you're referring to a cardiac	12		to, you would need, as a consequence,
13		output of 8.2 falling to a cardiac index of	13		increasing pressor support.
14		2.0, which are two different ways of	14		Increasing pressor support, in the
15		representing the same data.	15		absence of the things I mentioned, wouldn't
16		One is clearly a higher number than the	16		make me think of cardiac tamponade.
17		other, and depending on what else is going on	17	Q	But if you had some of the things you
18		is how one would interpret what that all	18		mentioned and had pressors running without a
19		means.	19		good response to the pressors, would that
20	a	As it relates to postoperative cardiac surgery	20		increase the index of suspicion for cardiac
21		patients, what is a cardiac tamponade?	- 21		tamponade?
22	A	A cardiac tamponade is a collection of fluid	22	A	It depends on what things aren't responding.
23		around the heart, in the juxtacardiac area	23		It depends if I had other explanations.
24		within the pericardial mediastinal contents,	24	Q	Is tamponade considered an emergency situation
– PAGI	E 58		parameter PA	GE 6Ø	
– PAGI	E 58	JEFFERY S. VENDER, M.D 2(25/02 50	PA	GE 6Ø	
	E 58	EXAMINATION BY MS. TOSTI		ge 6ø	JEFFERY S. VENDER, M.D 2/25/02 EXAMINATION BY MS. TOSTI
1	E 58	that creates a pressure around the heart from			JEFFERY S. VENDER, M.D 2/25/02 EXAMINATION BY MS. TOSTI in a postoperative patient?
1 2	E 58	that creates a pressure around the heart from the collection of the fluid that creates	1	A	JEFFERY S. VENDER, M.D 2/25/02 EXAMINATION BY MS. TOSTI in a postoperative patient? Yes.
1 2 3	E 58	that creates a pressure around the heart from the collection of the fluid that creates hemodynamic instability as a result of this	1 2 3		JEFFERY S. VENDER, M.D 2/25/02 EXAMINATION BY MS. TOSTI in a postoperative patient? Yes. And cardiac tamponade in some instances can
1 2 3 4		EXAMINATION BY MS. TOSTI that creates a pressure around the heart from the collection of the fluid that creates hemodynamic instability as a result of this pressure.	1 2 3 4	A	JEFFERY S. VENDER, M.D 2/25/02 EXAMINATION BY MS. TOSTI in a postoperative patient? Yes. And cardiac tamponade in some instances can lead to total cardiovascular collapse and
1 2 3 4 5	E 58 Q	that creates a pressure around the heart from the collection of the fluid that creates hemodynamic instability as a result of this pressure. Can you also have localized tamponade with a	1 2 3 4 5	A	JEFFERY S. VENDER, M.D 2/25/02 EXAMINATION BY MS. TOSTI in a postoperative patient? Yes. And cardiac tamponade in some instances can lead to total cardiovascular collapse and death; correct?
1 2 3 4 5 6		that creates a pressure around the heart from the collection of the fluid that creates hemodynamic instability as a result of this pressure. Can you also have localized tamponade with a collection of blood that coagulates or forms a	1 2 3 4 5 6	A Q A	JEFFERY S. VENDER, M.D 2/25/02 EXAMINATION BY MS. TOSTI in a postoperative patient? Yes. And cardiac tamponade in some instances can lead to total cardiovascular collapse and death; correct? Correct.
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1		effusion, and I would say that the the best	1		an echocardlogram is another piece of
2		diagnostic-technique that I'm aware of but	2		information.
3		I would stand corrected by a cardiologist	3	Q	Okay. And an echocardiogram also provides you
4		is transthoracic echocardiography.	4		with a lot of information about cardiac
5	Q	Do you know what the echocardiographic	5		function, not just
6		correlates are that suggests that there is	6	A	Sure.
7		cardiac tamponade?	7	Q	in regard to tamponade correlates but as to
8	A -	Well, you know, I I think like I said,	8		the actual function of the heart, too?
9		I'm not an expert on echocardiography, so I'm	9	A	Sure. Absolutely.
Ø		not going to presume anything. I will say	10	Q	So If there is a patient that is
.1		that it would probably be, you know, the	11		hemodynamically unstable, the echocardiogram
2		presence of fluid, contracted ventricular	12		may provide additional information regarding
.3		volumes, and things of that nature.	13		ejection fractions and wall movement and those
4	Q	Would you agree that the information provided	14		types of things, also; correct?
5		by an echocardlogram is helpful to the	15	A	If you've perceived significant
.6		physician in arriving at the diagnosis of	16	•	instability, yes.
?		cardiac tamponade?	17	Q	Are there any aside from echocardiogram,
8	A	Well, it is help the tamponade, no. The	18		are there any other tests or studies that may
.9		presence of an effusion, yes. Tamponade is	19		provide findings that would suggest tamponade? Nothing significant, no.
20		the clinical scenario that surrounds the	20	A Q	Isn't it true that, in some instances,
21	•	presence of the effusion.	21 22	ч ч	cardiac with cardiac tamponade you can see
22 23	Q	Okay. My question was, is an echocardiogram	22		mediastinal videning on chest films?
		helpful to the physician in arriving at the	1 E 6ami		neurascritat araditità en eneur rizne.
24	E 62	diagnosis of cardiac tamponade?	24	А ЭЕ 64	Mediastinal videning is more commonly
34	iE 62				
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		JEFFERY S. VENDER. M.D 2/25/02 65
		JEFFERY S. VENDER. M.D. 2/25/02 65 EXAMINATION BY MS. TOSTI
1		could probably get one within 45 minutes to an
2		hour. And if somebody was available, it could
3		be done in 10 minutes.
4	Q	And what about a a surface echo, a
5		transthoracic?
6	A	Pretty much the same.
7	Q	Doctor, if blood clots occlude a chest tube
8		and the drainage backs up in the chest, can
9		that result in cardiac tamponade?
10	A	I'm not sure how to interpret that, but I
11		think the answer is yes.
12	Q	IF there's clots in the chest tubes that
13		doesn't allow the drainage into the chest tube
14		and then the blood clots are dislodged through
15		milking or squeezing the chest tubes, can that
16		sometimes relieve a tamponade that's begun?
17	A	I'm not sure I'll defer to a cardiac
18		surgeon.
19	Q	You'll defer to a surgeon?
2Ø	A	I'll defer to a cardiac surgeon.
21	Q	In your unit are the nurses required to milk
55		or squeeze the chest tubes at regular
23		intervals to assist in keeping the chest tubes
24		clear of clots?
		intervals to assist in keeping the chest tubes clear of clots?

1 of a perfusion pressure minimum of about 50 or 60, but in healthy people or patients without 2 significant cerebral vascular disease, for 3 4 periods of time they can definitely go below 5 that. If the mean arterial pressure fails below SØ, 6 Û would there be an increased risk for brain 7 θ danage? 9 I think, the lower the pressure goes, the A 1Ø increase of the risk. You have a copy of your report in front of 11 n you, don't you, Doctor? 12 13 Correct. À Q Okay. I'm going to hand you what's been 14 marked as Plaintiff's Exhibit 2, if you would 15 just identify that, and then we'll use that as 16 17 the exhibit number. 18 Correct. À Q Okay. Is that a copy of your report? 19 20 A Yes, it is. Q And that's dated -- it's a letter dated 21 August 14th of 2001; correct? 22 23 Å Yes. Now, did you provide Mr. Jackson or his office 24 Û. PAGE 68 68 JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI with any type of written memorandum of your 1 opinions before rendering your August 14th S 3 report? 4 No. A ۵ And --S

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		JEFFERY S. VENDER. M.D 2/25/02 66
		JEFFERY S. VENDER, M.D. 2/25/02 66 EXAMINATION BY MS. TOSTI
ĩ	A	I think they are.
2		That's under the auspices of the heart
3		surgeons and their protocols.
4	Q	Okay. And do you know how often the nurses do
S		that?
6	À	No.
7	Q	In regard to the chest tubes, Doctor, if clots
8		are lodged in the chest tube, sometimes they
9		could be lodged in the portion of the tube
10		that's inside the chest that can't be seen if
11		you're standing at the bedside; is that
12		correct?
13	A	Correct.
14 .	Q	If there's a significant loss of circulating
1S		fluid volume, will that tend to mask some of
16		the hemodynamic changes that are usually seen
17		with cardiac tamponade?
18	Å	No. It would make them worse.
19	Q	Doctor, is there a minimal level of mean
2Ø		arterial pressure that's needed to maintain
21		cerebral blood flow in a patient?
22	A	That's independently variable in the context
23		of age, presence of vascular disease in the
24		carotids and/or brain. Classically, we think

You said *written*; right? A

۵ Yes.

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No. A

Okay. Did you perform -- did you provide him ۵ with any type of memorandum of your report before you rendered this August 14th report? No. A

Were you asked to include anything in a particular or to exclude anything in particular?

No. A

And did you provide any drafts of your ۵ August 14th report?

No. A

Q And this is the only report that you've provided to Mr. Jackson?

Written, yes. A

And does your August 14th, 2001, report Q summarize all the opinions that you currently ___ PAGE 69 SHEET 18 __

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		JEFFERY S. VENDER, M.D 2/25/02 69 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER, M.D. – 2/25/02 71 EXAMINATION BY MS. TOSTI
		hald	1		which I am, who renders care to cardiovascular
1		hold concerning this case?	5		patients who can present with similar
2	À	Yes.	3		circumstances.
3	Q	Is there any additional opinions, as you sit	4	Q	What is your understanding as to the cause of
4		here today, that you intend to offer at trial	5	×	bleeding at the end of James Long's first
5		that are not summarized in this report?	6		surgery?
6	A	NO,	7		And I'm speaking of the the close
7	Q	And do you still maintain all the opinions	9		surgery, that episode that he had.
. 8		that are contained in your August 14th report?	9	A	Excuse me?
9	A	Yes.	1Ø	Δ.	MR. JACKSON: Can you define that
10	Q	Do you intend to do any additional work or			better than what you're saying, Jeanne. I'm
11		review any additional materials in this case	11		
12		prior to trial?	12		not sure what you're talking about.
13	A	Only if specific information is sent to me by	13		MS. TOSTI:
14		Mr. Jackson; example, Plaintiff's nursing	14	Q	There was I believe there was an episode of
15		expert, something of that nature.	15		bleeding that occurred at the close of James
16	Q	Nov, we talked a little bit about what your	16		Long's first surgery before
17		assignment in this case was, and you were	17	A	During the first surgery.
18		if you would just relate to me again what you	18	Q	before he went into the ICU.
19		were asked to do in regard to this case.	19		And I'm asking as to what your
20	Α	I think I was basically asked to review the	20		understanding is of the cause of that
21		case from my perspective as to the care and	21		bleeding.
22		its relationship to outcome and its	55		MR. JACKSON: When you're saying
23		relationship to any deviations from standard	23		"close," you're not saying when they closed
24		of care that I would notice in the care of	24		hin on the first surgery? You're talking
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	GE 7Ø		P	AGE 72	
P?	AGE 70	JEFFERY S. VENDER. M.D 2/25/02 70 EXAMINATION BY MS. TOSTI	ρ.	AGE 72	JEFFERY S. VENDER. M.D 2/25/02 72 EXAMINATION BY MS. TOSTI
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1 2 3	\GE 70 Д	EXAMINATION BY MS. TOSTI Mr. Long with no specific direction as to who or what as much as did I note something inconsistent with what I might typically see	1 2 3	AGE 72	JEFFERY S. VENDER. M.D 2/25/02 72 EXAMINATION BY MS. TOSTI about MS. TOSTI: I'm talking about before he left the surgical suite.
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1	because of the a couple of things	1	A	He had acceptable parameters, yes.
2	because of the bleed and because of using the	2	Q	Okay. Was there any of those parameters that
3	aortic route homograft, not just a valve, that	3		were cause for concern?
4	there was concerns for suture line bleeding,	4	A	No.
5	and therefore, they had requested the systolic	5	Q	And at the time of his admission to the ICU.
5	blood pressure be maintained below 100.	6		were there any indications that James Long
7 0	And would keeping his blood pressure below	7		would not remain stable?
, . 8	100 systolic have any relationship to his left	в	À	Not that
-	ventricular hypertrophy that he had before	9		MR. JACKSON: I'm sorry, I didn't
9		10		under what did you say again, please?
Ø	surgery?	11	av I	MS. TOSTI:
1	Was that also one of the reasons why	12	0	I said, at the time that he came into the ICU,
2	they wanted to keep his blood pressure below		4	vere there any indications that James Long's
.3	100 systolic?	13		condition would not remain stable.
14 A	Not to my knowledge, but I'd stand corrected	14	x	
5	by some specific comment that you're	15	A	Not that I'm avare of.
6	alluding to.	16	Q	Okay. At the time that he was admitted to the
7 Q	The episode prior to coming into the ICU, when	17		ICU, were there any indications that his
8	he was still in the surgical suite, should	18		cardiac function was compromised?
9	that episode of bleeding have raised a	19	A	No.
20	heightened index of concern for bleeding in	20	Q	Doctor, would you agree that James Long had no
1	the ICU?	21		evidence of right heart dysfunction prior to
2 A	I think there is a heightened index of concern	22		surgery?
23	for any bleeding in the ICU, irrespective of	23	A	None that I'm avare of.
				Tetenectingly though beying stated
24 - PAGE 74	any intraoperative occurrence, and they are	24	GE 76	Interestingly, though, having stated
24 _ PAGE 74			3E 76	
_ PAGE 74	JEFFERY S. VENDER, M.D 2/25/02 74 EXAMINATION BY MS. TOSTI	PAI	3E 76	JEFFERY S. VENDER, M.D 2/25/02 76 EXAMINATION BY MS. TOSTI
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PAGE	77	SHEET	20	-

JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI

She was the intensive care unit nurse who was A 1 on duty till 7:00 p.m. 2 And what responsibilities did she have 3 ۵ 4 regarding James Long's care? 5 A Provision of nursing care till the time she 8 left, Staff nurse. 7 0 And who is Nurse Zilka? B She was the nurse on -- after the seven o'clock, who was the preceptor to Nurse 9 10 Young. 11 0 And what were her responsibilities? 12 Well, she was the preceptor for Nurse Young A 13 in the management of Mr. Long. And who was Dr. Yared? ۵ 14 Dr. Yared was a staff anesthesiologist who --15 A 16 I don't know -- he was on the pain service or something that night, and I don't know what 17 other roles that he had as it related to the 18

intensive care unit. I can't remember. 19 2Ø Q And what, in your opinion, were Dr. Yared's responsibilities regarding James Long's 21 postoperative care in the ICU? 22 23 I specifically don't recall any direct

responsibilities by him.

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JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI So Dr. Yared didn't have any responsibilities in managing, monitoring chest tube drainage, hemodunamics? Not that I'm aware of. Do you believe those items, hemodynamic

۵ monitoring, chest tube drainage, fell to the surgical staff, Dr. Cosgrove, Dr. Muchlebach, Dr. Hernandez?

Primarily, in communication with nursing. A

Doctor, is a diminishing pulse pressure one of ۵ the red flag indicators of cardiac tanponade?

- I think I already answered your question А regarding the signs and symptomatology of cardiac tamponade, of which I mentioned pulse pressure at that time as one of them, yes.
- Okay. And in James Long's case, do you have ۵ an opinion as to whether he had a diminishing pulse pressure over the course of time that he was in the ICU?

20 Without looking at the actual vital sign flow À sheet, I -- there might have been a vital sign 21 here or there that pulse pressure narroyed, 22 but whenever you see a falling blood pressure, 23 24 quite often is the case that the pulse

	EXAMINATION OF NO. 10311
	pressure Will narrow.
Q	Okay. Doctor, I I have a copy of the
	initial flow sheet from August 20th of 1996
	that I'm going to provide you with just so
	that you have something to look at
A	Sure.
Q	if that's helpful to you.
A	Thank you.
	MR. JACKSON: Is there a question
	you're asking him to look at nou, Jeanne,
	or
	MS. TOSTI: No. We were discussing
	whether there was a diminishment of his pulse
	pressure over the course of time that he was
	in the ICU, and he stated that he didn't
	recall specifically all of the values.
	THE WITNESS: Yeah. Interestingly,
	between H and I'm using that as meaning

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1950 -- you can even go back to 1910, going all the way back here -- let's see. If I can read this right, I would say sometime about, you know, 1900, going down to about 2150, there was a overall modest drop in his pressures and a narrowing of his pulse

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80 JEFFERY S. VENDER, M.O. - 2/25/02 EXAMINATION BY MS. TOSTI

pressure but, interestingly, an increase in his diastolic pressures as part of the reason. Earlier in his admission, his diastolic pressures were very, very low, although his systolic pressures weren't that much higher; therefore, he had a wider pulse pressure. Later in the time course, prior to any

significant instabilities, his pulse pressure then began to widen again, and his cardiac function seemed to be consistent, the -appropriate for those pressures.

BY MS. TOSTI:

- And why do you think there was that type of variability that you just described?
- Well, you know, to the best of my abilities to 15 16 ascertain, since there was no marked changes in his central venous pressures throughout 17 this whole time period, no statistically 18 significant changes in his central venous 19 pressure, and then one looks at his heart 2Ø 21 rate, there was no statistically significant 22
 - change in his heart rate to explain any of
 - those things, and then you go over and look at
 - his pulmonary artery pressures and his cardiac

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JEFFERY S. VENDER, M.D. - 2/25/02 81 EXAMINATION BY MS. TOSTI

output pressures, one could only presume but
not be sure that this could be related to
hypovolemia, of which he did receive fluids in
the intensive care unit, and he did receive
various vasoactive agents in response to the
hypotension that developed, either from the
nitroprusside and/or the propofol
administration, both of which impact systemic
vascular resistance, which was low.

Q Do you have an opinion as to whether he was hypovolemic at any point in time when he was in the ICU that evening?

A Well, I would say that a -- you know, at 1810, for instance, or even before that, when his pulmonary artery pressures are 22 over 15, that is a low number for somebody who's had aortic stenosis, and -- or at least appears as a low number.

And he has not had any major blood loss to that point in time, so one could presume a degree of hypovolemia.

Doctor, who had responsibility for watching James Long's pulse pressure while he was in the ICU?

JEFFERY S. VENDER. M.D. - 2/25/02 83 EXAMINATION BY MS. TOSTI

1		Is that one of the actions?
2	A	Reduces reduces systemic vascular
3		resistance and, therefore, blood pressure.
4	Q	Okay. In your opinion, was it appropriate to
5		continue to administer propofol during the
6		time period when his blood pressure was below
7		90 systolic with two vasopressors being
8		administered to increase his blood pressure?
9	A	Well, I think, you know, that that's an
10		independent decision on whether one believes
11		somebody who is intubated postsurgery with
12		pain deserves to be sedated, and obviously, if
13		you cannot sustain hemodynamic stability in an
14		acceptable vein, then you have to play one
15		against the other.
16		In this particular case, because of the
17		perceived needs of the patient to not be in
18		pain and/or aware of the circumstances, they
19		elected to use a vasoactive agent to increase
2Ø		systemic vascular resistance yet maintain
51		blood pressure below the desired 100 and at a
22		pressure that still sustained adequate
23		perfusion of the kidneys, as exemplified by
24		the unine output throughout the procedure.
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		JEFFERY S. VENDER, M.D 2/25/02 82 EXAMINATION BY MS. TOSTI		
1	λ	Well, I think you know, I think the nurses		1
2		were the ones who record the vital signs in		2
3		general.		3
4		It isn't a matter of watching a vital		4
5		sign any more than watching the vital signs,		5
6		so nursing typically is the one monitoring the		6
7		patients and recording these things and then,		7
8		in conjunction with the various practitioners,		8
9		be it Dr. Cosgrove and/or his service,		9
10		managing these situations.		1Ø
11	Q	And one of the reasons why these hemodynamics		11
12		are recorded is in order to be able to pick up		12
13		trends that may occur in the various		13
14		hemodynamic values; correct?		14
15	A	Sure.		15
16	Q	And that's one of the ways that various		16
17		problems with cardiac function or tamponade		17
18		may be suggested, is by seeing a trend that		18
19		occurs in the various hemodynamics; correct?		19
20	À	Sure.		20
21	Q	What is the drug propofol used for?	Diversion	21
22	A	Sedation.	1000	22
23	Q	Okay. And does propofol have one is one		53
24		action of propofol to decrease blood pressure?	ter (1983) states (1994) and 1994 and 1	24
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JEFFERY S. VENDER. M.D. - 2/25/02 EXAMINATION BY MS. TOSTI 84

Q All right. But Doctor, when the patient is unresponsive to the vasopressors for an extended period of time -- which, in this case, I believe he's got vasopressors that are started at 1910, 1930 hour --

A Correct.

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Q -- and his blood pressure fails at 1950 hour to below 90 systolic and stays down there until 2150 hour, during that period of time, when two vasopressors are running and the patient's blood pressure, his systolic value. remains below 90, is it appropriate to continue administering propofol?

A I think, at that point in time, I -- I believe there was a reduction in the propofol dosage, but if -- if one was concerned about the level of the blood pressure, clearly reducing and/or terminating propofol would be an acceptable therapy.

 Q Why was James Long's chest tube drainage increasing from 50 to a hundred to 250 ccs during the first two hours he was in the ICU?
 A Why was it?

Because he was bleeding.

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	JEFFERY S. VENDER. M.D 2/25/02 85 EXAMINATION BY MS. TOSTI		JEFFERY S. VENDER, M.D 2/25/02 87 EXAMINATION BY MS. TOSTI
Q	Would you agree that increased chest tube	1	perceive these problems.
-	drainage followed by a fall in blood pressure	s	If one was to look at these pressures on
	below 90 systolic, with two vasopressors	3	a patient on propofol, unchanging CVP,
		4	unchanging heart rate, mean blood pressures
	running, should have raised a high level of	5	
	concern for excessive postoperative bleeding?		from ran from a low point of 55 to 67
A	Well, I think clearly it did raise a concern,	<u>,</u> 6	you know, a very modest swing in mean blood
	and that's why platelets and fluids were	7	pressure from admission all the way down,
	administered. There is no question about	6	one would not find this to be a very unusual
	it, yeah.	9	presentation.
Q	Now, considering that the bleeding that	1Ø Q	Okay. Nov, James Long had another increase in
-	bleeding at a suture line occurred when he was	11	his chest tube drainage, I believe at 2210
	in surgery, this increasing amount of chest	12	hour, where he put out 250 ccs into his chest
		13	tube, and that had been preceded by that long
	tube drainage during the first two hours in		
	the ICU, followed by this persistent	14	period of hypotension.
	hypotension with two vasopressors running,	15	In your opinion, Doctor, should that
	would you agree that James Long should have	16	have raised a high level of concern for
	been assessed by a physician at the bedside to	17	excessive bleeding and tamponade?
	determine if he was having complications of	18 A	Well, a couple of things.
	excessive bleeding?	19	Number one, in the absence of a changing
A	Well, I think everything is a matter of	20	heart rate, his pulse pressure actually was
	interpretation and what call is successive.	21	widening at that period of time. The CVP did
L.	A lot of people would be cognizant of a	22	not change at all in that period of time. His
	blood loss of 400 in the first two hours, but	23	pulmonary diastolic pressures had been stable
		24	or relatively stable.
	many people might not do anything about it,		
PAGE 86		PAGE 88	
	JEFFERY S. VENDER, M.D 2/25/02 86 EXAMINATION BY MS. TOSTI		JEFFERY S. VENDER, M.D 2/25/02 88 EXAMINATION BY MS. TOSTI
	other than to go ahead and do things like the	1	It should raise a high index of
,	administration of platelets, the reinfusion,	2	suspicion of bleeding but not necessarily
-	the volume infusion, and then watching for any	3	tamponade.
	other precipitous changes that could not be	4 0	Okay. You mentioned his pulmonary artery
-	explained, either by the vasodilators that	5	pressures being stable.
,			Correct.
>	were being administered and the likes or some		
<u> </u>	other hemodynamic instability.	7 9	Okay. Doctor, isn't it true that the last
3	In this particular case, as the	8	pulmonary artery pressure we have is at
9	management played out, cardiac function	9	2050 hour
5	continued to go up after its low point of	-10 A	Correct.
Ĺ	about 1950 to 2030. In that time period was	11 Q	because the nurses didn't take them after
<u>></u>	the low point in cardiac output, and then it	12	that? Right?
3	proceeded going up, so one would presume that	13 A	No.
1	their management was addressing the problems	14 Q	So how can you say that they were stable
5	as they perceived it.	15	because that 250-cc dump into his chest tube
, , 0	Okau. My my question was, though, when you	16	occurs at Line 0, which is at 2210 hour?

y that they were stable cc dump into his chest tube occurs at Line Ø, which is at 2210 hour? 16 Well, the best way to answer that is, number 17 A 18 one, I didn't specify to what time the 19 pulmonary pressures, in particular in isolation of the CVP, the cardiac output that 20 was increasing, the heart rate that was 21 55 stable, or the pulse pressure that was 23 videning. I didn't specifically identify a

time.

۵ Okay. My -- my question was, though, when you have escalating chest tube drainage that goes from 50 to a hundred to 250, followed by this extended period of hypotension with two vasopressors, should this patient have been seen by a physician at the bedside to do an evaluation?

23 That -- that's an independent decision of the Â institution and -- and how they typically 24

DEPOSITION OF JEFFERY S. VENDER, M.D. PAGE 91

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JEFFERY S. VENDER, M.D. - 2/25/02 FXAMINATION BY MS. TOSTI

But having said that, through the time of the bleed, the CVP pressures were very stable, going all the way back to 1930. There was no dramatic change, which one would expect in the presence of a tamponade, and vere within the range that they were intraoperatively at the first surgical procedure.

The heart rate did not dramatically change from 1930 all the way through the time of the increased bleed. The mean blood pressure had actually increased in that time period, not decreased, and the pulse pressure widened, not narrowed. And admittedly, as alluded to by

Plaintiff's attorney, yes, the last one was taken at 2050, prior to that episode of bleeding, but prior to that was relatively stable, also, and yet, the cardiac function appeared to continue to increase at 2150 and even at 2210.

THE WITNESS: Sorry if that was quick.

BY MS. TOSTI:

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JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI 9Ø

1	Q	Doctor, do you think an echocardiogram should
З		have been done to assess cardiac function when
3		Mr. Long experienced hypotension below
4		90 systolic that was unresponsive to two
S		vasopressor drugs for over an hour or an hour
6		and 40 minutes?
7	A	On the basis that, other than a couple of
8		pressures at 2010 and 2030 that were in the
9		70s, none of the pressures on this patient
1Ø		there was one at, you know, 1850 that was
11		set most of these pressures are in the 90s
12		or 80s.
13		In somebody you're trying to keep in the
14		90s, these pressures, in and of thenselves,
15		don't seem very bad, especially in somebody
16		with normal coronaries and who's making urine
17		the whole time, so there was nothing
18		demonstrably bad here. There was no acute
19		voluminous change in any of these vital signs.
20	Q	And you don't find a problem with the systolic
21		blood pressures that are in the 80 range with
22		the two vasopressors running? That's
23		acceptable for this patient, in your opinion?
24	A	Well, I I think there's a couple of things.

	I think, number one, you've got ongoing
	propofol, and that is a systemic vasodilator,
	but it was determined to be necessary for
	sedation and, therefore, take that in
	conjunction with the vasoactive agents.
	You know, this is not an unusual
	circumstance to see, this kind of
	presentation.
Q	What did you find that would tell you that the
	propofol was a necessity in this case?
A	¥ell, it's the use of the word
	"necessity"
Q	Well, that was the word that you used, Doctor.
A	Well, it's common practice in all postcardiac
	patients to use various medications for
	sedation and/or analgesia.
	In days gone by, we used to use lots of
	morphine and some Versed and Valium and drugs
	of that nature, but today the most commonly
	employed drug in the perioperative period for

JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI

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the transition of the patient from the operating room to the point of extubation is propofol because it's short acting, so it's commonly employed, probably in -- I'd be

PAGE 92

92 JEFFERY S. VENDER, M.D. - 2/25/02 speculating to say 90 percent of the patients 1 ve do. 2 Okau. And are there any alternative drugs 3 0 that can be used that don't have the á 5 additional effect of lowering blood pressure but will also provide the sedation that a 6 patient such as James Long would need? 7 θ All of the primary sedative agents that we 9 employ, which were typically the 103 benzodiazepines, offer some vascular 11 resistance. 12 Q Doctor, if James Long had had an echocardiogram prior to 2110, which I think is 13 Line L, and it showed echocardiographic 14 correlates of tamponade physiology, would you 15 16 agree that it would have required immediate return to surgery for a reexploration for him? 17 A Sure. Yes. 18 How often were the nurses supposed to be Q 19 20 observing and recording the hemodynamic parameters on Mr. Long? 21 They -- they stated it in the depositions 22 A somewhere, and I don't know if it was 23

Q 20 minutes with cardiac outputs every couple

A Correct.

1		of hours. I forget they exceeded it in
2		most situations. I mean, the cardiac outputs
3		are much more frequent than we often see, but
4		I can't remember their exact timing.
5	Q	Are pulmonary artery pressures important in
6		assessing the stability of a postoperative
7		aortic valve patient?
8	A	I think all the vital signs taken together are
9		important, yes,
10	Q	And in your cardiac surgery ICU, how often do
11		the nurses do pulmonary artery pressures on
12		postoperative aortic valve patients?
13	A	Well, it's a continuously monitored pressure.
14		How often do they chart it? Is that the
15		question? That would be every 15 or
16		30 minutes or something. I'm not sure of the
17		exact number.
18	Q	Okay. And the reason, again, that it's
19		charted is so that you can view a trend
20	A	Sure, but
21	Q	if one is occurring?
55	A	These are continuously displayed numbers,
23		though, so they could see dramatic changes

right on their monitors.

JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI 95

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5	Q	Are you critical of the nursing staff for
3		falling to record cardiac outputs and cardiac
4		indexes for the last hour and 20 minutes that
5		James Long's in the unit?
6	A	Well, you know, I think the last one being
7		recorded is 2210, at the time of the bleed, at
8		which point I think it was in that time period
9		that the conversations on what to do began.
10		Recognizing no other dramatic changes,
11		recognizing that the blood pressure, heart
12		rate, et cetera, maintained their stability
		and the actual last output was, I think there
13		
14		vere other things going on at that point in
15		time that I wouldn't be critical of it.
16	Q	Doctor, in a patient that's just bled 250 ccs
17		into his chest tube and had, just prior to
18		that, an extended period of hypotension.
		wouldn't that be precisely the type of
19		
20		situation where you would want to know the
21		cardiac index on a more frequent basis?
22	A	I think the cardiac index at the time of the
23		bleeding was quite good. It was 2.9. There
24		was no change in the pulse pressure, blood
PA	GE 96	
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		JEFFERY S. VENDER, M.D. 2225/02 96
		JEFFERY S. VENDER, M.D 2/25/02 96 EXAMINATION BY MS. TOSTI
1		pressure, mean pressure, or CVP.
5	Q	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes,
	Q	pressure, mean pressure, or CVP.
5	Q	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes,
2 3	Q	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index
2 3 4 5	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not.
2 3 4 5 6		pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report,
2 3 4 5 6 7	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that
2 3 4 5 6 7 8	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period.
2 3 4 5 6 7	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored."
2 3 4 5 6 7 8	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period.
2 4 5 6 7 8 9	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored."
2 3 4 5 6 7 8 9 10 11	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored." And we've aiready talked about the pulmonary artery pressures that are not
2 3 4 5 6 7 8 9 10 11 12	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored." And we've aiready talked about the pulmonary artery pressures that are not recorded during the last 2 hours and
2 3 4 5 6 7 8 9 10 11 12 13	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored." And we've aiready talked about the pulmonary artery pressures that are not recorded during the last 2 hours and 40 minutes that James Long is in the ICU, I
2 3 4 5 6 7 8 9 10 11 12 13 14	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored." And we've aiready talked about the pulmonary artery pressures that are not recorded during the last 2 hours and 40 minutes that James Long is in the ICU, I believe from after 2050 hour, at Line K,
2 3 4 5 6 7 8 9 10 11 12 13 14 15	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored." And we've already talked about the pulmonary artery pressures that are not recorded during the last 2 hours and 40 minutes that James Long is in the ICU, I believe from after 2050 hour, at Line K, through the final notation at 2330 hour at
2 3 4 5 6 7 8 9 10 11 12 13 14	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored." And we've aiready talked about the pulmonary artery pressures that are not recorded during the last 2 hours and 40 minutes that James Long is in the ICU, I believe from after 2050 hour, at Line K,
2 3 4 5 6 7 8 9 10 11 12 13 14 15	À	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored." And we've already talked about the pulmonary artery pressures that are not recorded during the last 2 hours and 40 minutes that James Long is in the ICU, I believe from after 2050 hour, at Line K, through the final notation at 2330 hour at
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A Q	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored." And we've already talked about the pulmonary artery pressures that are not recorded during the last 2 hours and 40 minutes that James Long is in the ICU, I believe from after 2050 hour, at Line K, through the final notation at 2330 hour at Line S.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 7 18	A Q A	pressure, mean pressure, or CVP. Okay. And for the next hour and 20 minutes, you have no idea as to what his cardiac index was; correct? No, I do not. Now, you indicate, I believe, in your report, in the middle of the third paragraph, that you say, "Throughout the postoperative period, the patient was appropriately monitored." And we've already talked about the pulmonary artery pressures that are not recorded during the last 2 hours and 40 minutes that James Long is in the ICU, I believe from after 2050 hour, at Line K, through the final notation at 2330 hour at Line S. Yes. What is your understanding as to why the PA
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	JEFFERY S. VENDER, M.D 2/25/02 94 EXAMINATION BY MS. TOSTI
1 Q	But the requirements of the nurses are that
2	they record it on a sheet so that a trend can
3	be seen; correct?
4 À	Sure.
5 Q	Isn't that what they do in your unit?
6 A	Yes.
7 Q	And how often in your unit do they do cardiac
8	outputs and indexes on postoperative aortic
9	valve patients?
1Ø A	It's it's quite variable. I would say
11	anywhere depending on the stability of the
12	patient, it could be, you know, every
13	15 minutes, or it could be every 2 to 3 hours.
14 Q	
15	them to be doing them the Q 15 minutes?
16 A	Sure. But you got to be very careful on the
17	definition of "instability." And the the
18	definition that I'm employing is a situation
19	that doesn't seems out of line with the
20	circumstances or significantly abrupt and
21	dramatic changes.
22 Q	-
23	were the individuals responsible for observing
24	and recording the hemodynamic values?

DEPOSITION OF JEFFERY S. VENDER, M.D.

- PAGE	97	DEPOSITION OF JE		E 99	
		JEFFERY S. VENDER. M.D 2/25/02 97 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER, M.D 2/25/02 99 EXAMINATION BY MS. TOSTI
1	۵	And you'd agree that a prudent nurse, caring	1	A	Well, I think it's like all bits of
2	*	for a postoperative patient that had had blood	2		information count, but no piece of information
е З		pressures below 90 systolic with two	3		unto itself is the whole answer. If you have
4		vasopressors running should have continued to	4		enough of the pieces, you can often tell the
5		observe and record the pulmonary artery	5		picture, so the reason you can put all the
6		pressures every 20 minutes?	6		parts of a puzzle in a box is to complete the
7		MR. JACKSON: Objection.	7		whole picture, but if you're missing 1 piece
، 8		Go ahead.	6		or 10 percent of the pieces, you can often
-		Well, I think she answered that for herself,	9		still tell the picture.
9	A	and I'll let nursing experts do that. I think	10		Pretty good analogy there.
10		· · · · · · · · · · · ·	11		MR. JACKSON: I like that.
11		it's agreed upon they should have been	12		THE WITNESS: That will work.
12		recorded. I don't think the absence of recording	13		MR. JACKSON: Did you like that
13		is the issue as far as did the outcome, and	14		analogy, Jeanne?
14		therefore, I think they're unrelated.	15		You don't have to answer.
15	D 1/	MS. TOSTI:	16	яv	MS. TOSTI:
16		Well, Doctor, without having them recorded,	17	۵.	Now, Doctor, you have commented on this
17	Q	there would be no way to really monitor the	18	-	patient's uninary output
18			19	À	Correct.
19		trends ~- MR. JACKSON: Objection.	20	a	and you have indicated that you felt that
20			- 21		the urinary output gave some indication that
21		MS. TOSTI:	22		there was and maybe I'm going to misphrase
22	Q	that were occurring; correct?	23		this, but that there was good perfusion?
23 24		MR. JACKSON: Objection. Go ahead.	24	A	Yeah. Urinary output is a sign, not the only
1	E 98 A	JEFFERY S. VENDER, M.D 2/25/02 98 EXAMINATION BY MS. TOSTI I think you're you're correct in that statement. I think we have other information	P/	GE 104	JEFFERY S. VENDER, M.D 2/25/02 100 EXAMINATION BY MS. TOSTI sign, of perfusion. Kidneys in significantly compromised
1 2		I think you're you're correct in that statement. I think we have other information	1	GE 100	JEFFERY S. VENDER, M.D 2/25/02 100 EXAMINATION BY MS. TOSTI sign, of perfusion.
1		I think you're you're correct in that statement. I think we have other information in their absence, though, that gives Us a	2 1	GE 100	JEFFERY S. VENDER, M.D 2/25/02 100 EXAMINATION BY MS. TOSTI sign, of perfusion. Kidneys in significantly compromised
1 2 3 4		I think you're you're correct in that statement. I think we have other information in their absence, though, that gives us a reasonable reflection on the stability and/or	1 2 3 4	GE 100	JEFFERY S. VENDER, M.D 2/25/02 100 EXAMINATION BY MS. TOSTI sign, of perfusion. Kidneys in significantly compromised states are often an early organ function to shut down to preserve other organs, and there
1 2 3 4 5	À	I think you're you're correct in that statement. I think we have other information in their absence, though, that gives US a reasonable reflection on the stability and/or instability of the cardiopulmonary situation.	1 2 3	GE 100	JEFFERY S, VENDER, M.D 2/25/02 100 EXAMINATION BY MS. TOSTI sign, of perfusion. Kidneys in significantly compromised states are often an early organ function to
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JEFFERY S. VENDER. M.D. - 2/25/02 101 EXAMINATION BY MS. TOSTI

events and notes, that, after this bleed, I think there became a significant concern for communicating with other people and getting this gentleman back to surgery.

So I think part of what we are looking at here is an attentiveness to other issues. Okay. But Doctor, Mr. Long had Nurse Zilka, who was an experienced ICU nurse, plus Nurse Young working on him.

Wouldn't you expect that an experienced ICU nurse would be reporting the urinary outputs on a patient who had just had a significant bleed into their chest tubes?

A No, because, if -- even if it was good, it wouldn't matter, so the fact that it's bad could be expected. If it was good, it would make no

difference. Their concerns were totally drawn at that point in time to the bleeding and the fact that this is -- probably now, since this is the second significant bleed in this gentleman, they had gone by a couple of hours or whatever since the 250 bleed at Point G, which is 1930. They had made it a couple of

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102 JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI hours plus in a very stable fashion, nothing demonstrable, and then this acute bleed occurs. This changes everything in their perspective, and I think everyone's attention was elsewhere at that point in time. It wouldn't matter what the unine output is. This man's going back to surgery. Well, he didn't go back for an hour and ۵ 20 minutes, though, did he? Correct. And I -- you know. I think that's a A number of issues as it relates to communication, getting people onboard, making the appropriate contacts and decisions. Is it your opinion that he should have gone 0 back to surgery at 2210? I think, at that point in time, the decision A to go back is there. I think they gave him packed cells, they

I think they gave him packed cells, they gave him albumin, and they were treating the bleeding knowing that they were going to go back because I don't think there was a perception at any point in time -- and there never was a documentation of a tamponade --

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and therefore, just bleeding is -- can be treated with volume resuscitation, blood, and then reexploration. The acuity that you go back is determined by the -- the degree of the bleeding and the absence of believing there's a tamponade. Do you think that James Long should have been ۵ assessed at the bedside by a physician at 2210 when he had the 250-cc bleed into his chest tubes? Oh, sure. I think a physician should A have been called and come to assess the patient, yes. Okay. Did you find any indication that a ۵ physician came and assessed the patient at 2210? Well, the only thing I know is, sometime A around 2300. Dr. Hernandez is at the bedside, and -- because there's 350 mls of blood in the chest tube -- and prior to that, that Dr. Muchlebach had been called in the process, and he had been called, also, at about 2150. So I think there was ongoing

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	communications, the exact timing of which I'm
	not sure.
Q	Okay. What's your understanding as to why
	James Long required the drug Amicar?
A	Well, I think, you know, that's for
	coagulation purposes. You know, when somebody
	has ongoing bleeding, Amicar is often used.

Q Okay. And is it your understanding that he received the Anicar in response to the 250 ccs of chest tube output that he had at Line G?
 A Correct.

And then continued thereafter.

Q Now, your report indicates, I think, the last line on page 1, that the patient's had several episodes of bleeding from the chest tube.

Would you tell me what -- what you're referring to as the episodes.

A I'm referring to all of them, 50 in the first minutes of being there, then a hundred occurring at 1830, then the 250 that occurs at 1930, then there's a couple of 50s, and then there's the big 250.

The two primary ones are the two 250s. Q Okay. And --

		JEFFERY S. VENDER, M.D 2/25/02 105 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER. M.D 2/25/02 107 EXAMINATION BY MS. TOSTI
1	A	And a suggestion of additional bleeding in	1		perfusion?
2		somebody's comments beyond that 250.	2	A	Might have, but on the medications I didn't
3	Q	Okay. Now, you also state, at the top of	3		notice it.
4		page 2, that the surgical service was aware of	4	۵	Okay. Would Lasix have if he was given
5		these episodes and were at the patient's	5		Lasix, would that change your opinions at all
6		bedside prior to the second episode of	6		as to
7		significant drainage.	7	A	NO.
8	A	I think, at that point in time when I wrote	8	Q	what the evidence of his uninary output
9		this, I was referring to Dr. Yared, who was	9		means?
Ø		actually anesthesia.	10	A	Oh, it would influence the impact on uninary
1	Q	Okay. So that that's a correction that you	11		output, absolutely.
2	-	want to make in your report?	12	Q	No, that was a bad question.
3	A	Correct, yes.	13		Would it change your opinion any, if he
4	۵	Okay. You didn't find that anyone from the	14		had had Lasix, as to whether or not his
15	•	surgical service was at the bedside prior to	15		perfusion was as good as you've represented it
6		the second	16		to be?
17	A	No. Dr. Hernandez, which we already	17		MR. JACKSON: He answered that,
		described, was at the bedside sometime around	18		Jeanne.
9		2300, but I'm not sure of the exact time,	19		But go ahead.
20		but based on the lines, that's what it looks	20	A	Yeah, I I think it could but it wouldn't
21		like.	21		when you take it like I said, when you take
22		Plus I do have to make one other	22		the pieces together, you you just don't
23		correction in there. Where it says "2230, an	23		look at the unine output in the absence of the
24 - PAG	E 106	acute deterioration,° that should really be	24	GE 108	other information; you don't look at the other
0	E 106			GE 1Ø8	
	E 106			9E 1Ø8	
- PAG	E 106 Q	JEFFERY S. VENDER, M.D 2/25/02 106 EXAMINATION BY MS. IOSTI	PA6	GE 108	JEFFERY S. VENDER, M.D 2/25/02 100 EXAMINATION BY MS. TOSTI
PAG		JEFFERY S. VENDER. M.D 2/25/02 106 EXAMINATION BY MS. TOSTI *2330.*	PAG	GE 108	JEFFERY S. VENDER, M.D 2/25/02 100 EXAMINATION BY MS. TOSTI information in the absence of the urine
- PAG 1 2 3		JEFFERY S. VENDER, M.D 2/25/02 106 EXAMINATION BY MS. TOSTI *2330.* Okay. And what is the basis for your opinion that James Long suffered acute deterioration	PAG	GE 108	JEFFERY S. VENDER, M.D 2/25/02 100 EXAMINATION BY MS. TOSTI information in the absence of the urine output. And the more of the pieces we have,
1 2 3 4	Q	JEFFERY S. VENDER, M.D 2/25/02 106 EXAMINATION BY MS. TOSTI '2330.' Okay. And what is the basis for your opinion that James Long suffered acute deterioration at what you've corrected to be 2330 hour?	PAG	GE 108	JEFFERY S. VENDER, M.D 2/25/02 108 EXAMINATION BY MS. TOSTI information in the absence of the urine output. And the more of the pieces we have, the more comfortable we are in making
1 2 3 4 5		JEFFERY S. VENDER, M.D 2/25/02 106 EXAMINATION BY MS. TOSTI "2330." Okay. And what is the basis for your opinion that James Long suffered acute deterioration at what you've corrected to be 2330 hour? What is my what?	1 2 3 4	9E 1Ø8	JEFFERY S. VENDER, M.D 2/25/02 108 EXAMINATION BY MS. TOSTI information in the absence of the urine output. And the more of the pieces we have, the more confortable we are in making decisions or interpretations that and
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PAG 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q A Q A Q A Q A	JEFFERY S. VENDER, M.D 2/25/02 106 EXAMINATION BY MS. TOSTI '2330.' Okay. And uhat is the basis for your opinion that James Long suffered acute deterioration at uhat you've corrected to be 2330 hour? What is my uhat? The basis for your opinion that that's when he I think at that point But let me finish my Yeah. What is the basis for your opinion that James Long suffered acute deterioration at 2330, which is uhat you've corrected just now in your report? Was the mean arterial blood pressure dropping down to 45. And just the descriptiveness of the events that occurred with rushing him back to the operating room and the situation at that time.	PAG 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY Q A Q	JEFFERV S. VENDER, M.D 2/25/02 108 EXAMINATION BY MS. TOSTI information in the absence of the urine output. And the more of the pieces we have, the more confortable we are in making decisions or interpretations that and unfortunately, in these kinds of situations, aren't always correct. MS. TOSTI: What's your understanding as to the cause of James Long's bleeding that occurred in the ICU? Well, strictly based on the surgical dictations and comments that existed in the material reviewed, it was from bleeding at the distal suture line in the graft. Doctor, isn't it likely that the bleeding that occurred earlier in the evening in the ICU was also the result of bleeding from that distal suture line? Could be. Don't know. Now, Doctor, you mention in your report
PAG 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 1	Q A Q A Q A Q A	JEFFERY S. VENDER, M.D 2/25/02 106 EXAMINATION BY MS. TOSTI '2330.' Okay. And uhat is the basis for your opinion that James Long suffered acute deterioration at uhat you've corrected to be 2330 hour? What is my uhat? The basis for your opinion that that's when he I think at that point But let me finish my Yeah. What is the basis for your opinion that James Long suffered acute deterioration at 2330, which is uhat you've corrected just now in your report? Was the mean arterial blood pressure dropping down to 45. And just the descriptiveness of the events that occurred with rushing him back to the operating room and the situation at that time. Okay. Let me edit here.	PAG 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY Q A Q	JEFFERV S. VENDER, M.D 2/25/02 108 EXAMINATION BY MS. TOSTI information in the absence of the urine output. And the more of the pieces we have, the more confortable we are in making decisions or interpretations that and unfortunately, in these kinds of situations, aren't always correct. MS. TOSTI: What's your understanding as to the cause of James Long's bleeding that occurred in the ICU? Well, strictly based on the surgical dictations and comments that existed in the material reviewed, it was from bleeding at the distal suture line in the graft. Doctor, isn't it likely that the bleeding that occurred earlier in the evening in the ICU was also the result of bleeding from that distal suture line? Could be. Don't know. Now, Doctor, you mention in your report something cailed a vascular myocardial bridge.

PAG	E 109	DEPOSITION OF J		/S.VEN	DER, M E 111
		JEFFERY S. VENDER, M.D 2/25/02 109 EXAMINATION BY MS. TOSTI			
1		refers to a fibrotic band of tissue within the		1	
2		myocardium that was detected at autopsy.		2	A
3	Q	Okay. And what significance might that have		3	
4	-	to what occurred here?		4	
s	A	Don't know.		5	A
6	Q	You, in your report, say the exact etiology of		6	
7		the patient's demise is unclear and you		7	
8		mention bleeding, I think that's tamponade		8	
9	A	Correct.		9	
10	à	okay and vascular myocardial bridge.		10	
11	•	How could vascular myocardial bridge		11	BY M
12		lead to a patient's demise?		12	Q
13	A	Well, you know, I'm not saying it can. I said		13	
14	n	it's unclear and I don't know. I mean, you		14	
14		could also have kinking of the grafts to the		15	
16		coronary arteries causing ischemia and		16	
		arrhythmias when they were reopening the		17	
17		chest.		18	A
18				19	
19		He had two a couple of grafts to		20	
2Ø		reattach the coronary vessels to the new		21	A
21		graft.		22	0
22		I am not sure why he had the demise he		23	
23 24		had necessitating internal cardiac massage right at the time because the bleeding was not		24 24	
PÀ	GE 110			PA(9E 112
		JEFFERY S. VENDER. M.D 2/25/02 110 EXAMINATION BY MS. TOSTI	- 2010		
1		so extensive, there was no presence of		1	
2		tamponade noted by anybody at any time.		2	
3		including opening the chest, to explain the	1	3	
4		whole thing,		4	_
5	Q	Doctor, is it possible that he could have had	l	5	BY I
6		tamponade earlier in the evening and such		6	Q
7		as from blood clots in the chest tube that		7	
8		then released when he ejected 250 ccs and then		8	
- 9		another hundred ccs into the chest tube?		9	A
10		MR. JACKSON: Objection.		10	
11		But go ahead.		11	
12		Object to the possibilities.		12	
13	A	Well, he could have but then he wouldn't if he	I	13	
14		ejected it with the 150 ccs, et cetera; he		14	
15				15	
16		wouldn't have had the hemodynamic	2	16	Q
17		wouldn't have had the hemodynamic deterioration. He would have actually		1	
1		deterioration. He would have actually improved from the added fluid administration		17	
18		deterioration. He would have actually		17 18	
18 19		deterioration. He would have actually improved from the added fluid administration			À
		deterioration. He would have actually improved from the added fluid administration and everything else that he had and the		18	À
19	BY	deterioration. He would have actually improved from the added fluid administration and everything else that he had and the release of the tamponade. He would have		18 19	À
19 20	BY	deterioration. He would have actually improved from the added fluid administration and everything else that he had and the release of the tamponade. He would have gotten better. He wouldn't have gotten vorse.		18 19 20	À

in cardiac function that the heart cannot

recover from it, even if the pressure is

23 24

JEFFERY S. VENDER, M.D. - 2/25/02 EXAMINATION BY MS. TOSTI 111

relieved? Well --

2	A	Well
3		MR. JACKSON: Objection again to
ŝ		possibilities.
5	λ	(Continuing.) I think, number one, his heart
5		did recover, so that would be inconsistent
?		with the question asked.
3		He was resuscitated and his heart
Э		adequately recovered. He incurred a cerebral
3		event, so his heart did recover.
1	BY MS	S. TOSTI:
2	Q	Okay. But can it for a period of time can
3		you have decreased cardiac function, even if a
4		tamponade is relieved and, during that period
5		of cardiac decompensation and decreased
5		cardiac function, can you have insufficient
7		circulation to the brain?
8	A	I think
9.		MR. JACKSON: Objection again.
ø		Go ahead.
1	A	(Continuing.) I think what would be typically
2		answered is, if one was to ask what happens to
3		cardiac function in the vast majority of
4		patients where a tamponade has been relieved,

		JEFFERY S. VENDER. M.D 2/25/02 112 EXAMINATION BY MS. TOSTI
1		cardiac function dramatically improves.
2		That's the perception.
3		What could happen versus what does
4		happen are two different issues.
5	BY P	IS. TOSTI:
6	Q	At 2330 hour, at the point when he was last in
7		the ICU, what's your understanding of James
8		Long's condition?
9	A	I think he was critical. I think his blood
10		pressure was falling and he was rushed back to
11		the operating room, and it's very hard,
12		between that point in time and the surgical
13		procedure itself, to figure out what's going
14		on. There's a transition period in there, but
15		he was verý critical.
16	Q	And would you agree that a mean arterial blood
17		pressure of 45 put James Long at high risk for
18		brain injury?
19	À	Sure.
20		For a prolonged period of time if it
21		persisted, yes.
22	Q	Doctor, in this cardiac flow sheet at
23		1850 hour, which is at Line E. I believe
24	A	Yes.

PAG	E 113	SHEET 29		PAGE 1:	15	
		JEFFERY S. VENDER. M.D 2/25/02 113				JEFFERY S. VENDER. M.D 2/25/02 115 EXAMINATION BY MS. TOSTI
		JEFFERY S. VENDER, M.D 2/25/02 113 EXAMINATION BY MS. TOSTI				EXAMINATION BY MS. TOSTI
1	Q	his blood pressure goes down to 75 over 46,	1 1			And what is your understanding as to why
2		and he's got a mean arterial pressure of 55	2			epinephrine was needed in addition to the
3	A	Sure.	3			Levophed?
4	Q	cardiac output of 4.4, and a cardiac index,	4	A		Well, I I would presume, when when the
5		I believe, of 2.0.	5			cardiac index had dropped down, that they also
6	A	Correct,	6			wanted to add a contractility agent. He did
7	Q	Do you have an opinion as to what caused his	7			have a history of left ventricular
8		blood pressure to drop to 75 over 46 at that	6			dysfunction, I think by the echo. I'm going
9		point?	9			to presume that they were using them
10	A	Yeah. As best as I can tell, at that point in	10	I		additively. I don't know.
11		time, a combination of hypovolemia, they	11	٩	l	Doctor, isn't it unusual for an aortic valve
12		continued to give more fluids in addition to	12			patient to come out of surgery not needing
13		the nitroprusside, which they terminated, and	13			vasopressors and to have medications to lover
14		the nitroprusside could clearly explain that	14			his blood pressure and then, after two hours
15		fall in blood pressure, especially when one	15			postoperatively, have to be started on not one
16		looks at the CVP coming down, et cetera.	16			but two vasopressors in order to maintain his
17	Q	Is there an acceptable range for test chest				blood pressure? I think that answer's all over the place. I
18		tube drainage per hour in a postoperative	19		'n	think there are numerous patients that,
19	,	aortic valve replacement patient? Well well, clearly, we don't like seeing	20			depending on their degree of health and
2Ø 21	À	and I say "we" in the global sense, but	2			stability, after an aortic valve replacement
22		cardiac surgeons typically use a number of 'a	22			have no no agents, other than propofol.
23		hundred an hour. You don't want to see more	2			Where you have bleeding concerns and
24		than a hundred an hour.	24	1		you're trying to maintain a suture line and
1						
				0307 1	110	
PAG	E 114		1	PAGE 1	116	
PAG	E 114			PAGE 1	116	
PAG	E 114	JEFFERY S. VENDER, M.D 2/25/02 114 EXAMINATION BY MS, TOSTI		PAGE 1	116	JEFFERY S. VENDER. M.D 2/25/02 116 EXAMINATION BY MS. TOSTI
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q A Q A A	JEFFERY S, VENDER, M.D. 2/25/02 114 Where you have situations more than a hundred an hour, you have enhanced awareness and concerns. Can a rise in CVP pressure and diastolic pressure sometimes be an indicator of bleeding and cardiac tamponade? Those are two different things, bleeding and cardiac tamponade. A rising CVP definitely is consistent with a tamponade. A falling CVP is more consistent with bleeding. Why, in your opinion, was the IP drip of Levophed started? Oh, I think, as I alluded to earlier, you know, there's numerous reasons someone's vascular resistance could be down, but clearly, the propofol itself lowers some vascular resistance, and therefore, they started the Levophed. And the main action of Levophed is what? Vasoconstriction. Okay. Now, in addition to the Levophed, a second IV vasopressor, epinephrine, was added,		1 2 3 4 5 6 7 9 9 7 8 9 9 9 1 2 3	Q	JEFFERY S. VENDER. M.D 2/25/02 116 You want to maintain certain blood pressures, depending on the underlying situation, you might be using vasodilators, like nitroprusside, and if you then have to diminish that because of other problems, you might find yourself using vasoactive agents. I think what makes these cases so difficult to interpret is the dynamic nature of cardiac surgery and the inability to make a universally applicable statement to all patients. Now, he had the two vasopressors running from about 1930 hour and through 2130 hour when his blood pressure wasn't responding. Why vasn't his blood pressure responding during that period of time, bringing his blood pressure up to at least 90 systolic? Well, I think it's a couple things. I think they were also giving ongoing fluids, platelets. I think they had, you know, the the propofol was being decreased, and it was a matter of trying to get everything in balance. I HE WITNESS: Can I take a break

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		JEFFERY S. VENDER, M.D. 2/25/02 117 EXAMINATION BY MS. TOSTI			JEFFERY S. VENDER, M.D 2/25/02 119 EXAMINATION BY MS. TOSTI
1		MR. JACKSON: Sure. Go ahead.	1		cerebral hypoxia, and exactly what transpired
2		THE WITNESS: I'll be right back.	2		I don't know.
з		MS. TOSTI: We've only got 5 or	3	Q	Do you find fault with any of the care that
4		10 minutes.	4		you reviewed in this case?
5		(Whereupon, a recess was had	5	Å	Not as it relates to my areas of
6		at 4:20 p.m., after which	6		expertise, no.
7		the deposition was resumed	7	Q	Okay. And have we covered all of your
8		at 4:21 p.m. as follows:)	- 8 9	,	opinions in this case that you currently hold? Yes.
9		MS. TOSTI:	- 5 1Ø	λ Ω	There's none that we've haven't discussed
Ø	Q	Doctor, if a patient develops a cardiac tamponade in some instances, would you agree	11	-	in any of the questions?
11 12		that you can see decreasing chest tube	12	A	No.
13		drainage?	13		MS. TOSTI: Okay. I would ask
14	A	Sure.	14		that, if you arrive at any new opinions
15	Q	Would you agree that, when serious	15		between now and the time of trial, that you
16	-	complications occur in the early postoperative	16		inform defense counsel, and I would request to
17		period, that the surgeon has a duty to keep	17		continue your deposition relative to any new
18		the patient's family informed regarding the	18		opinions that you should have.
19		patient's condition?	19		Other than that, I think we're
SQ	A	I think, if one perceives a significant	20		completed, your deposition.
21		problem occurring versus problems that are	. 21		THE WITNESS: Fine.
22		consistent with routine care and management of	22		MS. TOSTI: Okay. I thank you
23		critically ill patients, yes.	23 24		for MR. JACKSON: I would suggest you
24	Q	And would you agree that the surgeon should			
- PAG	E 118		PA	GE 120	
_ PAG	E 118	JEFFERY S. VENDER, M.D 2/25/02 118 EXAMINATION BY MS. TOSTI	PA	GE 120	JEFFERY S. VENDER M.D 2/25/02 120 EXAMINATION BY MS. TOSTI
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	S45435 ERRATA SHEET	1	STATE OF ILLINOIS)
1		2	COUNTY OF DU PAGE SS.
2		3	
3		4	I, Melanie L. Humphrey-Sonntag,
4		5	Certified Shorthand Reporter No. 084-004299,
9		5	CSR, RDR, CRR, and a Notary Public in and for
6			
		7	the County of DuPage, State of Illinois, do
6		8	hereby certify that previous to the
5		9	connencement of the examination, said vitness
12	ð	10	was duly sworn by me to testify the truth;
11		11	that the said deposition was taken at the time
12		12	and place aforesaid; that the testimony given
13	3	13	by said witness was reduced to writing by
14	4	14	means of shorthand and thereafter transcribed
19		15	into typeuritten form; and that the foregoing
16	6	16	is a true, correct, and complete transcript of
1		17	my shorthand notes so taken as aforesaid.
10	3	18	I further certify that there vere
19	9	19	present at the taking of the said deposition
20	0	20	the persons and parties as indicated on the
2 S		21	appearance page made a part of this
2		22	deposition.
2		23	
2		24	
	PAGE 122	PAGE 12	4
	PAGE 122 122		124
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