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IN THE COURT OF COMMON PLEAS
SUMMIT COUNTY, OHIO

MARTHA BURGESS, ET AL)
)
 Plaintiffs,)
vs.)
)
MICHAEL A. ODDI, M.D.,)
)
 Defendant.)

CASE NO. CV 02-01-0112

DEPOSITION FOR PLAINTIFFS

*** *** *** ***

DEPONENT: DOCTOR ROBERT CAMPBELL
DATE: DECEMBER 20, 2002

*** *** *** ***

WILLIAM J. KalbFLEISCH
COURT REPORTER
204 THEATRE BUILDING
629 SOUTH FOURTH STREET
LOUISVILLE, KENTUCKY 40206

1 The deposition of Doctor Robert Campbell, taken on
2 behalf of the Plaintiffs, in the offices of KalbFleisch
3 Court Reporting, 204 Theatre Building, 629 South Fourth
4 Street, Louisville, Jefferson County, Kentucky, on Friday,
5 December 20, 2002 at the hour of 1:30 p.m. Said deposition
6 was taken pursuant to notice and is to be used in
7 accordance with the Kentucky Rules of Civil Procedure.

8
9 A P P E A R A N C E S

10 For the Plaintiffs:

11 Mr. John W. Burnett
12 (Via telephone)
13 Becker & Mishkind Co., LPA
14 134 Middle Avenue
15 Elyria, Ohio 44035

16 For the Defendant:

17 Mr. David M. Best
18 David M. Best Co., LPA
19 4900 West Bath Road
20 Akron, Ohio 44333

21
22
23 Doctor Robert Campbell, called on behalf of the
24 Plaintiffs, being first duly sworn, was examined and
25 deposed as follows:

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EXAMINATION

BY MR. BURNETT:

Q. State your name, please.

A. Robert Acree Campbell, II.

Q. Doctor Campbell, you're a physician licensed to practice in Kentucky, I take it?

A. Yes.

Q. Okay. Does your clinical practice currently consist of -- Or does your practice currently consist of in excess of fifty percent clinical time?

A. Yes.

Q. Okay. And was that the case in February of 1997, as well?

A. Yes.

Q. All right. I see that you're Board-certified.

A. Yes.

Q. And do you need to be recertified for that ever?

A. Yeah. In fact, I have to recertify my thoracic surgery next year.

Q. Okay. You passed the boards in '94, it looks like, for thoracic surgery.

Right?

1 A. Yes.

2 Q. Okay. Did you do that on your
3 first attempt?

4 A. Yes.

5 Q. Okay. I take it from looking
6 at your Curriculum Vitae, you haven't published.
7 Is that fair?

8 A. Yes. I've avoided that all
9 the time.

10 Q. Okay. You obviously have been
11 retained as an expert in this case in a medicolegal matter.
12 When did you first start doing
13 medicolegal work?

14 A. I believe it was 1995.

15 Q. Okay. And you've been doing
16 it since 1995 then fairly consistently?

17 A. Yes.

18 Q. Okay. About how many cases a
19 year do you review?

20 A. Oh, probably around a dozen, I
21 would imagine.

22 Q. Okay.

23 A. About one a month.

24 Q. Since '95, can you break that
25 down for me, the percentage Plaintiff to percentage

1 Defendant?

2 A. As far as review, or actual
3 testimony?

4 Q. Yeah. Then I'll -- I'll pare
5 it down even further.

6 Let's start with review.

7 A. Review has probably been sixty
8 percent Plaintiff, forty percent Defense.

9 And then as far as testifying,
10 probably fifty-fifty, both by deposition or trial
11 appearance.

12 Q. Okay. How many depositions
13 do you think you've given.

14 A. Oh, I would imagine about
15 forty.

16 Q. Okay. And of the depositions,
17 I know you said it was fifty-fifty trial and deposition as
18 far as Plaintiff-Defendant.

19 Can you --

20 A. (Interrupting) Correct.

21 Q. Is it about the same for the
22 forty depositions you've given?

23 A. Yes.

24 Q. Okay. Have you kept a -- any
25 kind of master list of the depositions you've given?

1 A. No. But I'm actually getting
2 ready to start doing that because I have a -- a Federal
3 case coming up where I'm going have to list everything that
4 I've ever done at least by deposition or trial.

5 So I have my secretary going
6 back through mountains to stuff trying to figure that out.

7 Q. When do you have to have that
8 produced?

9 A. Oh, sometime next year.

10 Q. Okay. Well, at the end of the
11 year next -- When's -- When's sometime next year? Is it
12 going to be before the 27th of January?

13 A. No. Huh-uh.

14 Q. Okay.

15 A. I have to -- I have to force
16 her to do it every time I see her. So it's not going very
17 well.

18 Q. Okay. Have you kept copies of
19 any of your deposition transcripts?

20 A. Some I have. Not -- Not all
21 of them. I have some, yeah.

22 Q. Do you have a list of those
23 you've kept?

24 A. No. Huh-uh.

25 Q. You just have them stacked

1 somewhere.

2 Right?

3 A. I just have a stack, and it's
4 just a small partial stack.

5 Q. All right. Have you ever
6 acted as an expert either by way of being consulted or up
7 all the way through deposition and trial testimony in a
8 case involving issues that are similar to this case?

9 A. No, not really. Huh-uh.

10 Q. Okay. You've never dealt with
11 the issue of a sternotomy versus a subzyfoid window to deal
12 with tamponade?

13 A. No. Huh-uh. No, I haven't.

14 Q. All right. About what
15 percentage of your professional time then is spent doing
16 medicolegal work?

17 A. Oh, probably ten percent at
18 the most.

19 Q. Okay. I take it your license
20 has never been suspended, revoked, or called into question.

21 Correct?

22 A. No.

23 Q. I take it you've never been
24 denied privileges or had them revoked at any facility.

25 Correct?

1 A. No.

2 Q. I take it you've never had any

3 complaints about you to the State Medical Board.

4 Correct?

5 A. Not that they've told me about

6 at least.

7 Q. Okay. Kentucky is the only

8 state you're licensed in.

9 Right?

10 A. No. Indiana also.

11 Q. Okay. The same questions for

12 Indiana.

13 In that state, any -- any --

14 any complaints about your conduct to the Board?

15 A. No.

16 Q. All right. Are there any

17 other states where you were admitted and you are no longer

18 admitted?

19 A. No.

20 Q. Let's talk a little bit about

21 any lawsuits that have been filed against you.

22 Have there been any?

23 A. Yes. Let's see. I've had two

24 as a practicing physician, and then one a long time ago

25 when I was a resident.

1 Q. Okay. Let's talk about the
2 two as a practicing physician.

3 A. All righty.

4 Q. What were the allegations in
5 the first one?

6 A. Well, I don't know what the
7 allegation was. There was one that I settled where a
8 patient sustained a post-operative stroke after a carotid
9 endarterectomy, and that was -- the allegation was -- I
10 mean there was some sort of technical error that was never
11 actually delineated was the cause of the stroke.

12 The other case involved a
13 patient -- when I was on call, a patient that my partner
14 had operated on and had performed a thoracotomy on that had
15 bleeding after surgery; and then before we could get him
16 back to the operating room to take care of it, he had a --
17 a heart attack and died.

18 Q. Okay.

19 A. And then that's it.

20 Q. Did you -- Did that case go to
21 trial -?- or did you settle it -?- or were you dismissed?

22 A. Which one?

23 Q. The one involving the
24 thoracotomy and the heart attack.

25 A. That's still an ongoing case.

1 Q. Ongoing case. Have you been
2 deposed in that case?

3 A. Yes.

4 Q. Do you know the name of the
5 Plaintiff's lawyer?

6 A. Greg Neal, N-e-a-l.

7 Q. And he's down there in
8 Kentucky?

9 A. Yes.

10 Q. What city?

11 A. He's in Shelbyville, Kentucky.

12 Q. Now, the other one, the
13 post-operative stroke and the alleged technical error - you
14 settle that case.

15 Right?

16 A. I settled it, yes.

17 Q. Okay. Why did you settle it?

18 A. Because even though it was
19 defensible, I've done enough of this work to know that I
20 was either going to win or lose in excess of my policy; and
21 it was merely a business decision to do that so that I
22 would -- would not be at risk.

23 Q. When did you settle that?

24 A. Oh, a couple months ago, I
25 think.

1 Q. Okay. And who was the
2 Plaintiff's lawyer in that case?

3 A. Steve Meyer from Indiana.

4 Q. Do you know where in Indiana?

5 A. New Albany.

6 Q. And you were deposed in that
7 case, I take it?

8 A. Yes.

9 Q. Let's talk about the one years
10 ago as a resident.

11 A. Okay.

12 Q. What were the allegations in
13 that case?

14 A. Well, this involved a patient
15 that had a bleeding esophageal varices and had placement of
16 a Blakemore tube by a gastroenterologist, and he couldn't
17 get the tube in correctly. So he asked me when I was a
18 general surgery resident to come position it for him, and I
19 did. I didn't have any trouble putting it in.

20 And the patient was
21 transferred elsewhere and found to have later on a ruptured
22 esophagus; and there was no way to tell who was at fault
23 for that, whether it was me or the gastroenterologist. And
24 so that settled. It never went to trial. But it did
25 settle.

And I did give a deposition in that case, and I think that -- I'm not sure how it was weighted. I think they probably paid - they meaning the gastroenterologist - probably eighty percent of whatever the settlement was.

And I was -- I was actually an employee of the hospital, so I think we paid the other twenty percent, or something like that.

Q. All right. All right. I also know from looking at your Curriculum Vitae, it looks like you're -- you have an inactive license in Florida.

A. Yeah. I used to practice down there; and then I -- when I moved up here, I inactivated it.

Q. Okay. And again my same question to you down in Florida - any complaints about your conduct to the State Medical Board that you're aware?

A. No. Huh-uh.

Q. Okay. You were never --

Your -- Well, I guess my question to you about your --

Well, forget it. Strike that.

A. Okay.

Q. Why did you leave Florida and go to Kentucky?

A. Because my family and my

1 wife's family all live up in Ohio, and we wanted to be
2 closer to our family. Plus south Florida was not the best
3 place to raise kids.

4 Q. Okay.

5 A. Yeah.

6 Q. I mean it looks like you were
7 raised in Hilliard. Your family's probably still in
8 Columbus.

9 Right?

10 A. Oh, yeah, every bit of them.

11 Q. Okay. Okay. You're a member
12 of a professional group, I take it?

13 A. Yes. We have a seven-man
14 group.

15 Q. Okay. And you've been a
16 member of professional groups in the past.

17 Right?

18 A. Yes.

19 Q. Okay. Has -- Have any of your
20 professional groups to which you've been a member been sued
21 and you not been named as a party; but nevertheless, your
22 conduct was called into question?

23 A. Not -- Not that I'm aware of,
24 no.

25 Q. Okay. You know, I'm looking

1 at your report; and you talk about utilizing the subzyfoid
2 approach for the problem of cardiac tamponade in a
3 post-operative patient --

4 A. (Interrupting) Yeah.

5 Q. (Continuing) -- as being
6 well-described in the literature.

7 A. Yeah.

8 Q. Okay. That's on Page Three of
9 your report.

10 A. Good.

11 Q. Can you tell me what
12 literature you're thinking of when you state that?

13 A. Well, if you get Glen's
14 Textbook of Surgery, which is a thoracic surgery textbook.

15 Q. Okay.

16 A. Or Edmond's Textbook of
17 Surgery.

18 Q. Okay.

19 A. Or I believe Kirklin also
20 describes it.

21 Q. Spell Kirklin, please.

22 A. Kirklin, K-i-r-k-l-i-n.

23 Q. I-n, okay.

24 A. I-n. And then there's been
25 quite a few articles in the literature concerning that,

1 too, as far as -- as far as that goes.

2 Q. Are you there?

3 A. Yeah, I'm here.

4 Q. It sounded like you were
5 drifting away from me.

6 A. Yeah.

7 Q. To your knowledge, is there
8 any support in the literature for the contention that in
9 circumstances such as this while a subzyfoid approach may
10 be appropriate initially, once thrombosis is recognized and
11 assumed to still be present, that a full sternotomy should
12 be undertaken?

13 A. As far as I'm aware, there is
14 no literature that states that.

15 If you open enough -- do
16 enough subzyfoid incisions on people that are -- that are
17 far enough out from surgery that you can do that, you
18 frequently will find some thrombus in there because
19 virtually everybody that has heart surgery has thrombus
20 within their pericardium.

21 Q. Is it thrombus in the
22 pericardium sufficient to cause tamponade however?

23 A. Well, not necessarily. But
24 then tamponade is not -- is not necessarily a diagnosis
25 that's made say by CAT scan or echocardiogram. It's a --

1 It's a clinical diagnosis taking in a wide variety of
2 factors.

3 Q. Yeah. And you know what? And
4 I want to get to those with you --

5 A. (Interrupting) Okay.

6 Q. (Continuing) -- in a few
7 moments.

8 Before that what I'd like to
9 do is discuss a little bit of your practice.

10 A. Sure.

11 Q. Okay. Tell me -- Is your
12 practice any different today than it was in 1997?

13 A. Oh, yes, it is.

14 Q. Okay. Tell me what it was
15 like in 1997.

16 A. In 1997, probably thirty to
17 forty percent of our practice was cardiac, another -- and
18 then the -- and then the rest of it was equally divided
19 between general thoracic surgery and vascular surgery.

20 Okay?

21 Q. Okay.

22 A. And then actually -- And prior
23 to that, one hundred percent of my business was cardiac
24 surgery.

25 Q. Prior to when -- '97?

1 A. Yeah. Well, actually in '93,
2 when I was in Palm Beach, all I did was heart surgery.

3 Q. Okay.

4 A. And then when I came up here,
5 we did a mixture of things.

6 Things have -- have changed a
7 lot over the past several years in the world of thoracic
8 surgery; and we were fortunate in that we had quite a few
9 people in this group that were very, very good at doing
10 general thoracic, meaning cancer surgery of the esophagus
11 and lung.

12 So the great majority of the
13 surgery that I do now is -- is thoracic oncology.

14 We have plenty of good heart
15 surgeons up here in Louisville, but our group does
16 virtually all of the thoracic surgery in town now.

17 And about 1996, I think, '97 -
18 It's on my CV there. I can't remember - I became the
19 medical director here in town for the American Cancer
20 Society; and that just opened up all sorts of referral
21 patterns that we didn't even have before for general
22 thoracic surgery.

23 Q. Let me -- Let me see if I can
24 get this a little clearer in my own head.

25 In '93, you were doing about a

1 hundred percent heart surgery.

2 Right?

3 A. Correct.

4 Q. Okay. And what years did that

5 encompass? From when to when?

6 A. Just -- Just 1993, because I

7 was in Florida just for one year.

8 Q. Okay. What were you doing

9 before then?

10 A. I was in training at -- at --

11 Q. (Interrupting) Okay.

12 A. (Continuing) -- Jackson

13 Memorial Hospital.

14 Q. Okay. So before that you were

15 an intern and resident.

16 Right?

17 A. Well, no. Right before that I

18 was a fifth -- sixth and seventh resident in thoracic

19 surgery.

20 Q. Okay.

21 A. Yeah.

22 Q. And then in -- in '93, you did

23 only heart surgery?

24 A. Yes.

25 Q. Okay. And in '94 onward, what

1 did -- what did you do?

2 A. From '94 until about, oh, '99
3 or 2000, it was the breakdown that I just gave you before,
4 you know, thirty to forty percent hearts; and then the rest
5 an equal mixture of general thoracic and vascular.

6 Q. Okay.

7 A. In 2000, my -- the partner
8 and -- my partner and I that were doing heart surgery
9 decided to stop doing the heart surgery because we were
10 doing so much general thoracic surgery, we couldn't handle
11 the work load.

12 Q. Okay. Okay.

13 A. So -- I mean even as it is
14 now, we just had to hire a new -- we're hiring a new
15 thoracic surgeon because we still can't keep up with the
16 work load even though there's seven guys in the group.

17 Q. So from 2000 until today,
18 you're not doing any heart surgery?

19 A. No. I mean I still do
20 pericardial windows for -- for every indication that there
21 is, but I don't do pump surgery anymore.

22 We still do certain cases with
23 pump standby, great vessel work, certainly tumor work the
24 chest, other things like that.

25 But elective heart surgery,

1 no. We're just too busy doing other things right now.

2 Q. Okay. Let's talk about from
3 '94 to roughly 2000.

4 A. Okay.

5 Q. Of the surgeries you
6 performed, what percentage was coronary artery bypass
7 surgery?

8 A. I would say it was probably
9 eighty percent coronary bypass, and twenty percent valve
10 surgery or valve surgery in combination with coronary
11 bypass.

12 Q. Okay. And from 2000 on, then
13 no coronary artery bypass and no valve surgeries.

14 Right?

15 A. Right.

16 Q. Okay. When you were in
17 Florida doing heart surgery only, break that down for me as
18 far as coronary artery bypass and valve surgery.

19 A. I would say it was probably --
20 Because we had an older population down there, it was
21 probably more like sixty to seventy percent just coronary
22 bypass; and then the remainder combinations of valve
23 surgery or valve surgery and coronary bypass.

24 Q. Okay. You know, from '93 to
25 '99 then, talking in general, yearly, how many times were

1 you involved with bleeding problems requiring the patient
2 to go back to surgery after you performed either coronary
3 artery bypass or a valve procedure?

4 A. When you say bleeding
5 problems, do you mean immediately -- in the immediate
6 post-operative period?

7 Q. Yeah. Well, let's -- let's
8 talk within like seventy-two hours.

9 Is that what you consider
10 post-op?

11 A. Well, that's generally --
12 Generally, if you're going to have problems with bleeding
13 acutely following heart surgery, it will be within the
14 first twelve to twenty-four hours.

15 Rarely will you have to take
16 somebody back up to seventy-two hours.

17 But up to seventy-two hours
18 is -- is okay with me to use as a cut-off.

19 Q. Let's use that as the cut-off.

20 A. Yeah. I would say probably --
21 probably on a percentage basis, somewhere between --
22 I would say probably two percent of the coronary patients
23 and maybe five percent of the valve patients.

24 Q. I'm going to ask you a tough
25 question. Can you -- can you give me those in numbers

1 then?

2 A. Yeah. I'd probably -- You
3 means as far as take-backs?

4 Q. Yeah.

5 A. Yeah. It's probably -- It
6 would probably be - let's see - maybe three to five
7 heart -- I mean three to five coronary bypasses a year that
8 would have to go back.

9 Q. Okay.

10 A. And maybe one or two valve
11 patients that would have to go back.

12 Q. Okay. Have you ever cared for
13 a -- for a valve patient three weeks out like in this case
14 who had bleeding difficulties?

15 A. Well, you'll have to be more
16 specific. I've -- I've certainly had to -- had -- this is
17 obviously, as you know, a very unusual case.

18 But I've certainly had to --
19 to take a patient to the operating room this far out from
20 heart surgery for pericardial effusion and tamponade, yes.

21 Q. Okay. How many times?

22 A. How many times? Just my
23 patients -- or other people, too?

24 Q. Just yours.

25 A. Just mine.

1 Q. And when I say yours, I'm
2 assuming you did the primary procedure --

3 A. (Interrupting) Right.

4 Q. (Continuing) -- and then
5 you're handling the --

6 A. (Interrupting) Right.

7 Q. (Continuing) -- the bleeding
8 later.

9 A. Right. I would say
10 probably -- Are you talking about on a yearly basis, or in
11 my entire lifetime?

12 Q. Geez. I don't know. Can you
13 give it -- Give it to me yearly if you can, and then
14 lifetime.

15 A. I would say probably that far
16 out, probably only one or two patients a year at the most.

17 Q. Okay. And how many in your
18 lifetime do you think?

19 A. Well, I would probably --

20 Q. (Interrupting) Twelve?

21 A. Yeah, twelve to fifteen maybe,
22 something like that.

23 Q. Okay. And again that's three
24 weeks out.

25 Right?

1 A. Three weeks out approximately,
2 yes. And those are -- those are just mine. I've done some
3 for other people, too.

4 Q. Okay. Of those -- Let's
5 narrow -- Yeah. How many have you done for other people?

6 A. Probably an equal amount.

7 Q. Okay.

8 A. Either for my partner or --
9 I've had occasion a couple of times to do them for -- for
10 the heart surgeons who -- who work with us over at Jewish
11 but have their patients go to -- come back after they've
12 been discharged to hospitals that they don't go to.

13 Q. All right. Okay. Of these
14 patients -- Let's talk about the ones you've treated for
15 tamponade.

16 A. Okay.

17 Q. Okay. How -- How did you
18 normally approach these if there was a normal approach?

19 A. Three weeks out?

20 Q. Yeah.

21 A. Virtually everybody got --
22 Well, I'll tell you this: If -- If they were in immediate
23 extremis -- and none of my patients were like that. But I
24 did have one patient, I believe it was across the river,
25 who came back in who had had a valve replacement by a

1 friend of mine here at Floyd Memorial -- I mean at Jewish
2 Hospital who required an immediate pericardiocentesis right
3 at the bedside.

4 Q. Okay.

5 A. Or stretcher side I should
6 say, to -- to temporize him, and then was taken within the
7 hour to the operating room where he got a subzyfoid window
8 and drainage.

9 Q. Okay. Aside from that one,
10 how -- how did you normally treat these? How did you
11 approach them?

12 A. The rest of them underwent
13 subzyfoid pericardial drainage.

14 Q. Okay. On any of them, did you
15 ever perform a full sternotomy?

16 A. Not three weeks out, no.
17 Sternotomies -- Let me just go
18 ahead and interject this. Sternotomies, or re-entry
19 procedures as we -- as we call them, are generally only
20 used by -- by most practicing cardiac surgeons within the
21 very immediate post-operative period, meaning within the
22 first -- you know, up to seventy-two hours or so.

23 After that you don't really
24 run into the problems of bleeding, mechanical bleeding, at
25 all.

1 Q. You mean bleeding from a
2 suture line?

3 A. Bleeding from a suture line,
4 from a -- from a stitch that's popped out, from a
5 cannulation site, bleeding that you can see.

6 Q. Okay. Now, when I'm talking
7 about these patients with tamponade three weeks out, have
8 they -- have they all been patients who had had valve
9 procedures?

10 A. No. Some have been coronary
11 procedures.

12 Q. Okay. Okay. So from your
13 standpoint, whether it's a coronary procedure or a valve
14 procedure, three weeks out, they all got a subzyfoid
15 window?

16 A. Right.

17 Q. And you -- you drained the
18 pericardium?

19 A. Right. Really all you have to
20 do is just open up the bottom five to ten centimeters of
21 their wound that's there and remove some of the suture
22 material, and you're right where you need to.

23 Q. And then what you would do
24 with the patients in general?

25 A. You drain them, put a tube in.

1 Within the next, you know, twenty-four to seventy-two
2 hours, generally the drainage is down that you can remove
3 the tube; and they generally do well.

4 Q. Did any of the patients die?

5 A. Not that I can recall, no. Or
6 at least -- at least not from anything bleeding-related or
7 procedurally-related.

8 Q. Were any of these patients
9 we've been discussing, tamponade three weeks out, were any
10 of them post-Ross procedure patients?

11 A. No. They may have been
12 post-valve or double-valve -- double-valve patients, but
13 not -- as far as I can remember, not post-Ross procedure.

14 Q. What about any of the patients
15 who required care within, you know, twenty-four to
16 seventy-two hours because of bleeding complications? Were
17 any of those Ross patients?

18 A. No. Not that I recall, no.

19 Q. You don't do Ross procedures?

20 A. No. The great majority of
21 cardiac surgeons in this country don't do Ross procedures.

22 Q. Have you ever cared for a
23 patient post-Ross?

24 A. Oh, yeah. And we did that in
25 our training.

1 But that's generally a place
2 that if you think a patient needs a Ross procedure, you
3 send them to someone who does a Ross procedure.

4 Q. Have -- In any of the care
5 you've rendered patients post-Ross procedure, have you run
6 into concerns about bleeding?

7 A. Well, any time you have -- Let
8 me put it this way: The answer is no.

9 But any time you do a Ross
10 procedure or any other sort of valve replacement where
11 you have a long suture line or multiple suture lines, like
12 a double-valve replacement where you'll have two suture
13 lines, the more suture lines that you have, the more you --
14 you, you know, run the risk of that sort of thing
15 occurring.

16 But generally, if you're going
17 to have bleeding from the suture line, it's going to be
18 while they're in their first hospital visit, within --
19 generally within twelve to twenty-four hours.

20 Q. Have you repaired bleeding
21 suture lines?

22 A. Oh, yeah.

23 Q. Okay. Give me an idea how
24 many times.

25 A. Well, I would say --

1 Q. (Interrupting) Eight?

2 A. I would say that figure that I
3 gave you on -- Now, you're talking about from heart
4 procedures.

5 Correct?

6 Q. Yes, please.

7 A. Okay. That figure that I gave
8 you on bring-backs for valves, I would say that probably
9 one out of every three of those may have had a suture line
10 where a stitch had to be put in it. And generally it's a
11 single stitch.

12 I've never had to replace an
13 entire suture line anywhere that I can recall.

14 Q. When you say bring-backs, do
15 you mean within seventy-two hours?

16 A. Yeah. When we talk about
17 sternal re-entry and bring-backs, we're talking about
18 patients that are within seventy-two hours, or certainly
19 within a normal post-operative period of time, which would
20 be -- for heart surgery, its anywhere from three to seven
21 days, is kind of an average length of stay, depending on
22 the type of procedure that you get.

23 Q. And in those patients where
24 you've done a full sternotomy, you've replaced a stitch at
25 least?

1 A. Oh, no. The great majority of
2 them, you don't have to do anything because most of it is
3 just -- Most bring-back bleeding has nothing to do with
4 suture lines whether it be from valves or from coronaries.

5 It's the generalized ooze
6 secondary to the heparinization that they got during their
7 first operation.

8 Q. I thought you told me of one
9 of three of those, you would -- they would be for suture
10 line leaks.

11 A. Right. Which means that two
12 of three of those, they wouldn't have any sorts of
13 mechanical bleeding at all. They would --

14 Q. (Interrupting) Got you.

15 A. (Continuing) -- just be
16 generalized ooze, yeah.

17 Q. Got you. By the way, in those
18 one of three bring-backs, as you call them, would -- would
19 you be dealing with valves in which there was a running
20 suture line or single stitches?

21 A. Well, the suture line --
22 Virtually everybody closes aortic and atriotomy closures
23 with a running suture line. Not very many people use an
24 interrupted suture line for that.

25 So I would -- I would say that

1 virtually all of those suture lines I'm talking about are
2 running stitches.

3 Q. Good. And -- And if you're
4 going to repair one and you see a loose area, you just put
5 a stitch in that loose area.

6 Right?

7 Is that what --

8 A. (Interrupting) Well, that's
9 all I've ever had to do.

10 Q. Okay.

11 A. I've never run into the
12 problem that -- that was noted in this particular case,
13 though.

14 Q. Yeah. And I'll -- And I'll
15 get to that.

16 A. Sure.

17 Q. Bear with me, Doctor. I'm
18 looking at --

19 A. (Interrupting) That's okay.

20 Q. (Continuing) -- Doctor Oddi's
21 op note of the 9th.

22 Doctor Oddi apparently with
23 ringed forceps took out what he called well-formed thrombus
24 measuring approximately one hundred and twenty to one
25 hundred and thirty cc.s in volume.

1 A. Right.

2 Q. Have you ever pulled out that
3 much well-formed thrombus before?

4 A. I'm sure I have.

5 Q. Okay. How often?

6 A. That's not -- Well, I mean I
7 can't give you a number of times, but I can tell you that
8 if -- if you -- if you were to take every cardiac surgery
9 patient, whether it be a valve or a -- a coronary bypass
10 and say do an echocardiogram or a CAT scan on them, in the
11 great majority of those patients you're going to see some
12 clot within the pericardium.

13 But most of those patients
14 don't develop a tamponade physiology to the point that they
15 need to go back to the operating room because I mean
16 clotting is a natural phenomenon following surgery.

17 Q. Okay.

18 A. So to have well-formed
19 thrombus in the pericardium is not an unusual finding,
20 whether it be in a patient whose symptomatic or
21 asymptomatic.

22 Q. He's -- When there's
23 well-formed thrombus, as it's described, is that evidence
24 of a fresh bleed or an old bleed?

25 A. Well, it depends on the

1 thrombus, but it's not -- it's not -- it's not evidence
2 of -- necessarily of any fresh bleeding. You certainly
3 know it's evidence of previous bleeding in there because
4 when you do surgery on the heart, you always have some
5 bleeding in there following -- following closure of the
6 chest.

7 But you can't do anything
8 about -- It may not even be from the heart. It may be just
9 from -- the sternal wires have a tendency to bleed also
10 when you put them through; and, of course, if they bleed,
11 they -- they drip right down on top of the -- on the
12 anterior surface of the heart which can cause a well-formed
13 clot.

14 Q. In terms of probability, from
15 what you can see in the reports and the deposition
16 testimony, was the thrombus in this case evidence of a
17 recent bleed or an older bleed? And then if you can,
18 please define recent and older.

19 A. Well, let's -- let's do this
20 this way. And I'd say -- I would say that based without
21 using a retrospectoscope, as we say, you know --

22 Q. (Interrupting) Yeah.

23 A. (Continuing) -- that if -- if
24 I were given the operative note of the 9th to look at and
25 had no knowledge of what happened the following day, then I

1 would say that it was typically what you would find in
2 someone who you would go back into with -- three weeks out
3 from surgery who had been put on Coumadin, okay, who had
4 both liquid blood and -- and thrombus in there because what
5 happens when you have thrombus, as it lysis or breaks down,
6 the Heparin or Coumadin, either one, tends to hasten that
7 process; and you get a lot of liquid blood mixed in there
8 with clots.

9 Okay?

10 So I would then say that based
11 on that question, I would not think it was from a suture
12 line. I would think it was the typical process of just
13 having an intracardiac -- or I mean an intrapericardial
14 clot with lysis and -- and fluid, you know, or blood, you
15 know, developing in there.

16 I wouldn't be able to tell you
17 anything about it being from a suture line until I looked
18 at the operative note the following day.

19 But Doctor Oddi didn't have
20 that luxury.

21 Q. You probably jumped ahead of
22 me.

23 A. Okay.

24 Q. What I was trying to get from
25 you is: Would you characterize this thrombus as evidence

1 of a -- of a fresh bleed or an older bleed?

2 A. Well, that's what I'm trying
3 to say. Based on his -- There's no -- There's certainly no
4 way to tell because he just says there's a semi solid --
5 I'm sorry. Let me look at -- at where he says this.

6 He says that there was
7 well-formed thrombus within this space.

8 That could be either one. But
9 based on this patient's presentation, I would have to -- I
10 would have to favor the fact that it's probably old
11 thrombus, not just from the appearance and the description
12 of the clot, but from the fact that this guy has never
13 given any evidence of any hemodynamic instability that
14 would be consistent with a suture line leak.

15 Q. Well, let me jump into that
16 right -- right there.

17 A. Okay.

18 Q. What evidence are you looking
19 for with hemodynamic instability that is consistent with a
20 suture line leak?

21 A. Well, generally when
22 patients -- Like he exhibited the following day.

23 Generally within -- Let's just
24 talk about in general. A suture line leak from -- in a
25 post-operative patient doesn't generally just present

1 itself as a larger than -- than acceptable volume of chest
2 tube drainage.

3 It generally presents with
4 hypotension that doesn't correct with volume replacement or
5 vasopressor support, accompanied by evidence of increased
6 venous pressure from either a Swan-Ganz or a central venous
7 pressure catheter reading, distended neck veins, that sort
8 of stuff.

9 Q. Did -- Did the patient have
10 any of those symptoms on the 9th?

11 A. Not that I can illicit.
12 What he had was -- He had an
13 echocardiogram report and some -- and a history of recent
14 onset of shortness of breath.

15 Q. Okay.

16 A. Okay?

17 Q. Is it more likely than not
18 that the blood seen by Doctor Oddi in the pericardium was
19 coming from the proximal suture line on the aortic side
20 down near the aortic annulus.

21 A. Well, there's no way to
22 determine that because that couldn't be seen through that -
23 that incision.

24 Once again this could be --
25 This blood clot that's in there could be totally unrelated

1 to what happened to him the following day, or it could be
2 the result of having what's called a herald bleed from say
3 a loosening of the suture line where you have a small
4 amount of bleeding but then stopped.

5 Q. What's a herald bleed? I'm
6 unfamiliar with that term.

7 A. A herald bleed is -- is --
8 It's kind of a generalized term used in surgery where a
9 patient, before they have an exsanguinating hemorrhage, may
10 have a small amount of hemorrhage or bleeding that
11 manifests. It's usually -- We use that term like patients
12 that have rectal bleeding will have a little bit of rectal
13 bleeding followed by a massive amount of rectal bleeding,
14 you know, a day or a week or a year later.

15 The same with patients that
16 have hemoptysis where they're coughing up blood. Generally
17 they don't go to immediately life-threatening hemoptysis.
18 They have a little bit of bleeding first that stops
19 completely and then goes on.

20 The thing is that most of the
21 patients when they have a little bit of bleeding never
22 progress on to massive bleeding. The great majority of
23 patients -- the preponderance of patients, no matter where
24 they bleed show evidence of a small amount of bleeding that
25 stops and never recurs.

1 Q. Is it likely that bleed --
2 Strike that.

3 Is it likely that what Doctor
4 Oddi saw in the pericardial space on the 9th, and drained,
5 as well as the -- the thrombus that he removed, is it
6 likely that that was the result of a herald bleed?

7 A. Well, it -- I mean my answer
8 would be it could be, but only retrospectively looking at
9 it.

10 Okay?

11 Prospectively looking at it
12 from Doctor Oddi's point of view, no, you wouldn't assume
13 that because neither myself nor Doctor Oury or any other
14 person that I've seen deposed in this case has seen a
15 suture line failure three weeks after surgery.

16 I've never seen one -- that
17 in a valve patient, or certainly not present this way.

18 Q. When's the farthest out you've
19 seen a suture line leak?

20 A. Within, I would say,
21 forty-eight hours of the time of operation.

22 Q. Okay. In repairing a suture
23 line, have you ever had difficulty getting a suture line to
24 hold?

25 A. Not like they -- Not like in

1 this particular case. I've never seen -- I've never seen
2 acutely tissue that's described as friable and
3 granulomatous or granular in nature.

4 That's -- That's a process
5 that takes days to weeks to months to develop when that's
6 seen. That's not something that you would normally see
7 within the first, you know, seventy-two hours following
8 cardiac surgery.

9 Q. Do you have an opinion to a
10 reasonable degree of medical probability what that is a
11 result of?

12 A. Well, I can't tell you what
13 the mechanism is. I can tell you that -- that -- And it's
14 certainly well-described not only by -- by Doctor Kaminsky
15 in his op record but also in the autopsy report.

16 There was some sort of process
17 -- granulomatous process going on that made the tissue very
18 friable.

19 In fact, the pathologist used
20 terms like -- Let me -- He used terms of necrotic tissue.
21 He used terms of chronic inflammation and granulation
22 tissue at suture sites, specifically the inferior
23 anastomosis of the aortic replacement.

24 I -- I have seen patients who
25 have a reaction to Prolene. That's very uncommon, but

1 it's -- it's -- it's happened before. You can have a
2 reaction -- Certain patients can react to virtually any
3 type of suture material no matter how inert they are, even
4 stainless steel.

5 The other thing that can do
6 that is -- is ischemia to an area. Remember in a Ross
7 procedure, you're -- you're cutting out tissue that
8 normally has its own blood supply and -- and interposing it
9 so that it no longer has its own blood supply, but it will
10 have to develop it at a -- at -- as time goes on.

11 Now, I -- You know, this is
12 all speculation because I've never seen that described.

13 Yet some sort of etiological
14 event happened to make this into some sort of granulomatous
15 tissue that was quite difficult for sutures to -- to hold,
16 and not just for Doctor Kaminsky, but to also cause a
17 suture line breakdown.

18 Q. And again just so I understand
19 it, whether it's ischemia or a reaction to the Prolene, you
20 don't have an opinion to a reasonable degree of medical
21 probability of what caused that?

22 A. No. All I can say was it was
23 present.

24 And at the time that you're
25 trying to repair this sort of thing, you really kind of

1 don't care what caused it anymore. You're just trying to
2 get the sutures to hold.

3 Q. Could they have used, more
4 likely than not, Pledget sutures and gotten it to hold?

5 A. No, not really. Granulomatous
6 tissue -- I'll tell you, you'll see this sometimes -- I've
7 seen it like on reoperative aortic aneurysms.

8 Q. Uh-huh.

9 A. Where -- I mean you have to go
10 to a much higher level to do your anastomosis because no
11 matter how you try to do it, whether you try to Pledget it,
12 glue it, staple it, anything else, it just won't hold; and
13 that's because there's something intrinsically abnormal
14 about the aorta in that area.

15 You can do that in the
16 abdominal aorta. You don't -- You can't do that with the
17 heart because you -- you can only go so far down on the
18 heart and still be able to sew to it.

19 Q. But in this case, what's been
20 described here in the op note of the 10th, you've never
21 seen that?

22 A. No, not -- not specifically at
23 the aorta.

24 I mean I can certainly
25 appreciate what they're describing, and I can also

1 appreciate what the pathologist is describing. I can't --
2 I can't tell that I've seen it with a known cause, but
3 I have seen it in other sites. I've just never seen it
4 within the chest there.

5 Q. I see. Okay. What about --
6 The same question with regard to biologic glue.

7 Had they used biologic glue,
8 more likely than not, could they have gotten the sutures to
9 hold?

10 A. Well --

11 MR. BEST: (Interrupting) Hold
12 on. Excuse me, Doctor. I object to this line of
13 questioning. There's no criticism in this case about the
14 surgery done by Doctor Kaminsky, and so we're really
15 talking about irrelevant issues in this case.

16 MR. BURNETT: David, I'm
17 only -- I'm going into that issue because of the -- Just so
18 you understand, I'm not -- I'm not pointing at Kaminsky at
19 all.

20 I'm -- I'm addressing this
21 because of the -- had Doctor Oddi opened the doctor - or
22 strike that - the patient the night before, I think Doctor
23 Campbell said that it's likely that the same thing would
24 have happened.

25 And I'm just -- I'm testing

1 his -- his opinion in that regard. That's the purpose of
2 this.

3 MR. BEST: I appreciate that.
4 I'll let him answer the question. I'm just putting my
5 objection on the record. I don't want it misunderstood
6 here.

7 MR. BURNETT: Okay.

8 MR. BEST: I don't have any
9 problem. He's -- He can answer anything he wants.

10 A. Yeah. Well, let me -- let me
11 tell you about this. I -- I can tell you that the only
12 glue that could conceivably have helped him is not allowed
13 in this country thanks to our wonderful FDA.

14 Q. All right. And -- And what's
15 that?

16 A. That is the GIF glue that's
17 available in Europe.

18 And -- And -- And only now
19 experimentally in 2002 is it being allowed to be utilized
20 in some centers for aortic dissections.

21 And in 1998, it was not
22 available for anybody in this country to use, as far as I'm
23 aware, but certainly not for Doctor Kaminsky or Doctor Oddi
24 to utilize.

25 Q. Okay.

1 A. The types of glue that we had
2 were simply fibrin glue that will barely stop a little
3 venous capillary from bleeding let alone pulsatile flow.

4 Q. Okay. Okay. Let's -- Let
5 me -- Let me move back to these cases in which you've done
6 subzyfoid window --

7 A. (Interrupting) Okay.

8 Q. (Continuing) -- post -- in
9 cases in which there's been a valve procedure.

10 A. Okay.

11 Q. Okay. You know, whether it's
12 three weeks out, whether it's twelve hours out.

13 In any of those cases, did
14 you -- And if I've asked you this, Doctor, forgive me.

15 Did you suspect bleeding from
16 a suture line in any of those cases?

17 A. Well, we'll have to clarify
18 that because at twelve hours, you would certainly entertain
19 the possibilities that you could be bleeding from a suture
20 line.

21 And at twelve hours, I don't
22 think that -- if I had a patient that was twelve hours
23 post-op, I likely would not do a subzyfoid window on them.

24 Q. Okay.

25 A. Now, let me clarify that. I

1 have done subzyfoid exposures at the bedside on patients
2 who had to go back downstairs because you can immediately
3 decompress the chest without -- the -- the chest without
4 even having to cut open any wires to temporize things.

5 But then when you get them
6 downstairs, you convert them to an open sternotomy by
7 taking the wires out. But that's what you do with a
8 twelve-hour-old patient.

9 With a three-week patient,
10 three-week-out patient, that's a totally different story.
11 You don't suspect suture line breakdowns, mechanical
12 bleeding, or anything else especially if they've been
13 getting anticoagulation.

14 You expect what I'm assuming
15 Doctor Oddi probably expected, too. This is a lysing clot
16 on a patient who has blood that's formed in the pericardium
17 secondary to their -- their Heparin therapy and then
18 Coumadin therapy.

19 Q. Now, twelve hours out - I mean
20 you did the subzyfoid window on a patient like that - say
21 before you do a full sternotomy, they're likely to see
22 well-formed thrombus and grossly bloody fluid.

23 Right?

24 A. Well, yeah. At twelve hours,
25 yeah.

1 Q. Okay. All right. In this
2 case, Heparin was initiated post procedure by a resident,
3 John Trubiano.

4 Right?

5 A. Right. It was -- It was
6 initiated, I believe -- you're talking about that Heparin
7 was post-op --

8 Q. (Interrupting) Post procedure.

9 A. (Interrupting) Post-procedure?
10 Yes.

11 Q. Post procedure?

12 A. Yes.

13 Q. Now, John Trubiano assisted
14 Doctor Oddi during the subzyfoid procedure the evening of
15 the 9th.

16 Right?

17 A. I believe so, yes.

18 Q. Okay. On the morning of the
19 10th, is it more likely than not that Doctor Trubiano, he
20 started the Heparin at the direction of Doctor Oddi?

21 MR. BEST: Well, I object. I
22 think the only testimony of that is that Doctor Donlin
23 requested that, and Doctor Oddi said it was okay. I think
24 that's what the record shows, but whatever the record shows
25 or Doctor Campbell believes is fine.

1 A. Yeah.

2 MR. BURNETT: You know --

3 Okay. I -- And -- and, David, I'm just looking at

4 Doctor -- I took a look at from Donlin's deposition, and I

5 think he indicates on there -- I asked him at Page

6 Seventy-eight: Were you the individual who ordered the

7 Heparin and/or Coumadin restart on the morning of the 10th?

8 And he said he did not.

9 And I asked him if he was

10 aware if it had been ordered.

11 And he said he didn't believe

12 so.

13 Q. But, Doctor, do you have any

14 knowledge of that at all, as to who ordered it?

15 A. I don't have any knowledge.

16 Q. Okay.

17 A. But regardless of who ordered

18 it, I'd have no criticism of it because I would have done

19 the same thing.

20 Q. Okay. I'll get to that.

21 A. Okay.

22 Q. Is it -- Regardless of whether

23 or not you would have order it or you think it's and

24 appropriate order --

25 A. (Interrupting) Sure.

1 Q. (Continuing) -- is it more
2 likely than not that the initiation of the -- of the
3 Heparin the following morning was something that helped
4 facilitate the catastrophic bleed that occurred later in
5 the day, the dumping of the eight hundred cc.s into the
6 tubes?

7 A. No, none whatsoever.

8 Q. Okay. Tell me why.

9 A. Because Heparin does not now
10 nor ever will cause mechanical bleeding.

11 When -- When Doctor Kaminsky
12 took this patient back and unroofed that clot and found
13 pulsatile flow, that had absolutely nothing to do with
14 Heparin therapy.

15 Q. Tell me what your authority is
16 for that. Can you --

17 A. (Interrupting) My authority
18 for the fact that Heparin -- You would have to understand
19 how Heparin works. Heparin works by inhibition of
20 antithrombin three in the clotting cascade. It has
21 absolutely nothing to do with mechanical bleeding.

22 Q. Was there likely a clot at
23 the -- Well, strike that.

24 We have bleeding from the
25 anastomosis site.

1 Right?

2 A. Right.

3 Q. And that's likely the cause of
4 the dumping of the eight hundred cc.s of blood into the
5 tubes in the afternoon of the 10th.

6 Right?

7 A. Correct.

8 Q. Okay. Is it likely that there
9 was -- there was a clot holding the suture line together,
10 and -- and the clot loosened because of the Heparin; and --

11 A. (Interrupting) No.

12 Q. (Continuing) -- then there was
13 more flow?

14 A. No. Huh-uh. Because Heparin
15 in and of itself will not cause any -- any real change in
16 the clot itself as far as -- like thrombolytic therapy. I
17 mean if you -- if we were talking about a thrombolytic
18 agent, such as TPA or streptokinase, that would be a
19 different story.

20 Q. Yeah. And let me back up a
21 minute. And I apologize for jumping around like this.
22 We talked earlier about
23 herald bleed.

24 A. Right.

25 Q. Okay. Is this described in

1 the literature?

2 A. Herald bleeds?

3 Q. Yes.

4 A. Yeah. Just in generic terms.
5 You can probably find that in surgical textbooks under a
6 wide variety of things.

7 There's -- It's not anything
8 that's specific to cardiac surgery or anything else. It
9 simply -- It simply describes some bleeding that may occur
10 that heralds a -- a -- a portending larger bleed on down
11 the -- the road.

12 There's -- There's certainly
13 no way that you can estimate -- When you see -- When you
14 see someone who comes in your office and they say, Doctor,
15 I've had a little bit of mucous on the toilet paper, I mean
16 you don't know whether to say you've got hemorrhoids; or
17 this is a herald bleed, and we need to put you into the
18 hospital because something bad's going to happen to you.

19 There's no way to quantitate
20 that. You have to use your judgment.

21 Q. Okay. Let's talk for a minute
22 about tamponade if we could.

23 A. Okay.

24 Q. This occurs, is it fair to
25 say, when there's extrinsic pressure on the heart?

1 Right?

2 A. Yes.

3 Q. Okay. Bleeding into the
4 pericardial sac can be a cause.

5 Correct?

6 A. Yes.

7 Q. A clot in the pericardial sac
8 can also be a cause.

9 Correct?

10 A. Yes.

11 Q. So can the combination of the
12 two? They can both act to be a cause of tamponade.

13 Is that right?

14 A. That is correct.

15 Q. Okay. So is it fair to say
16 that cardiac tamponade is a variable diagnosis? It's not
17 like being a little bit pregnant? It's not like being
18 pregnant, I mean?

19 A. Right. That's -- That's why I
20 say it's a -- it's a clinical judgment that's not
21 necessarily measured by echocardiograms or any other sort
22 of things. It's measured by the doctor who's ascertaining
23 the patient.

24 Q. Okay. So there can be cardiac
25 tamponades severe enough so that if left untreated, the

1 extrinsic pressure on the heart can cause the patient to
2 die, simply stated.

3 Right?

4 A. From cardiac tamponade?

5 Q. Yeah.

6 A. Yes. But this patient
7 didn't -- didn't die from cardiac tamponade.

8 Q. I know.

9 A. Oh, okay.

10 Q. No. There can also be cardiac
11 tamponade of a lesser degree so that it exerts pressure on
12 the heart, and the patient exhibits signs and symptoms of
13 tamponade; but this can be timely relieved.

14 Right?

15 A. Yes.

16 Q. All right. And what I'm
17 getting at is, a patient doesn't have to have, you know, a
18 certain amount of -- X numbers of cc.s of fluid and
19 thrombus in the pericardial sac before it's -- before you
20 call it tamponade.

21 Is that fair?

22 A. That's correct.

23 Q. Okay. In this case, at six
24 forty-five a.m. the next morning --

25 A. (Interrupting) Yes.

1 Q. (Continuing) -- they have a
2 chest x-ray that showed - and I'll quote it - "enlarged
3 cardiac silhouette", closed quote.
4 If you want, I can direct you
5 to that in the chart.
6 A. No. I'm familiar with that.
7 Q. Okay.
8 A. Yeah.
9 Q. Is it likely that that chest
10 x-ray showing enlarged cardiac silhouette was a result of
11 thrombus surrounding the -- the suture line on the aortic
12 side down near the aortic annulus?
13 A. Which date are you talking
14 about now?
15 Q. On the 10th.
16 A. On the 10th?
17 Q. Yes.
18 A. No. This guy already had a
19 big heart. I mean he had marked cardiomegaly from his --
20 from his previous disease process.
21 You don't ever make a
22 diagnosis especially in a post -- post-operative patient
23 of -- of cardiac tamponade from a single chest x-ray.
24 Q. At six forty-five a.m., given
25 the x-ray and the neo signs and symptoms, was there

1 tamponade?

2 A. The -- On the morning of the
3 10th?

4 Q. Yes.

5 A. I do not believe there was,
6 no..

7 Q. Is it fair to say as a general
8 practice, with cardiac tamponade, your goal as the surgeon
9 is to remove from the pericardial space the substance
10 causing the tamponade?

11 Correct?

12 A. Well, now, this is always a
13 risk/benefit ratio. If -- If you -- And I'm sure you have.
14 If you read Doctor Oddi's note, he said that he removed as
15 much clot as he could -- as he could possibly remove, okay,
16 safely.

17 And in fact, let me -- let me
18 get to this so I don't misquote him here.

19 He says, "Upon inspection of
20 the lower portion of the pericardium, it was obvious there
21 was well-formed thrombus within this space with a fairly
22 large volume of this material. With a ringed forceps, as
23 much as this well-formed thrombus was extracted as
24 possible, measuring a hundred and twenty to a hundred and
25 thirty cc.s. There was certainly more thrombus remaining,

1 especially posteriorly and anteriorly toward the sublet
2 portion of the pericardial space. This was not able to be
3 extracted".

4 So in other words, he removed
5 what he could remove. I mean he did what he could do
6 through that particular incision.

7 Does that in my mind
8 necessitate having to do a sternotomy? No, it does not.
9 You have to weight the risk/benefits ratios of doing that
10 particular procedure for him -- or on him.

11 Q. In this case --

12 A. (Interrupting) Sorry.

13 Q. (Continuing) -- given the
14 addendum to the note where Doctor Oddi says - and I'll
15 quote - "The concern is that there may be some slow ongoing
16 bleeding from one or more of the suture lines from his
17 cardiac procedure", end quote -- end quote.

18 Do you see that in the
19 addendum?

20 A. Yes.

21 Q. Okay. Given that concern of
22 Doctor Oddi's, isn't he in a position, as a reasonably
23 prudent physician, to conclude that the thrombus he's
24 leaving in there is the result of bleeding from a suture
25 line?

1 A. Well, no, that's -- But that's
2 what he says. He just -- He's -- What he's saying is that
3 there may be some slow ongoing bleeding, and that's what
4 his concern is; and that he will be observed closely in the
5 coronary care unit.

6 Q. Okay. But -- But listen to my
7 question now.

8 Doesn't he, as a reasonably
9 prudent physician, have to conclude that the thrombus is
10 congealed blood from one of the suture lines?

11 A. No. He just -- He -- It's --
12 It's prudent of him to -- to weigh that has one of the
13 concerns.

14 Okay?

15 But he does not have to
16 conclude that that's what it's from.

17 I believe that he is prudent
18 enough that had he indeed concluded that it was from that,
19 then he would have probably gone ahead and done the
20 sternotomy.

21 Q. If -- If there is a slow
22 ongoing bleeding from one or more of the suture lines three
23 weeks post-Ross procedure --

24 A. (Interrupting) Uh-huh.

25 Q. (Continuing) -- that's an

1 alarming thing - isn't it?

2 A. Yes. But it's also -- The
3 answer is yes, it's very alarming.

4 But it's also highly unusual,
5 and you generally would not have a slow ongoing ooze or
6 bleed from one of those suture lines. It's generally an
7 all or none phenomenon because it's -- We're not talking
8 about venous bleeding. We're talking about arterial
9 bleeding, and that's generally not -- you don't generally
10 have an ooze from an arterial bleeder.

11 Q. Well, let me ask it to you
12 this way. Is it -- Is it possible that the suture line can
13 loosen up and you have an ooze resulting in this type of
14 well-formed thrombus and this type of grossly bloody fluid
15 in the pericardial space which leads to cardiac tamponade?

16 A. Yes, it's possible.

17 Q. Okay. And then is it possible
18 that that is a herald bleed, as well?

19 A. It could be. Sure.

20 Q. Okay. What about the fact
21 that he indicates there is no obvious explanation for the
22 presence of thrombus within the pericardial space?

23 Do you see that in the
24 addendum?

25 A. Yes.

1 Q. Okay. Given that and the
2 concern that there maybe some slow ongoing bleeding from
3 one or more the suture lines, can't we agree that a
4 reasonably prudent physician should do a sternotomy?

5 A. Well, there's only one problem
6 with what he said. And, of course, my job is not
7 necessarily to agree with everything that Doctor Oddi wrote
8 or -- or stated.

9 And there is an obvious
10 explanation for presence of thrombus within the pericardial
11 space, and that is that he's still three weeks out from
12 heart surgery, from rather extensive heart surgery; and
13 many people three weeks out from extensive heart surgery
14 are still going to have well-formed thrombus in their
15 chest.

16 Q. More likely than not what is
17 the well-formed thrombus that Doctor Oddi saw and removed
18 from him?

19 A. Retrospectively, probably from
20 a loosening of the suture line.

21 Q. Okay. Now, I know your
22 opinion is that Doctor Oddi was not required by the
23 standard of care to do a full sternotomy under these
24 circumstances.

25 A. Correct.

1 Q. Okay. Please tell me each and
2 every reason why. I think we've probably touched on some,
3 but I want to make sure I understand the bases for your
4 opinion.

5 A. Well, one, I believe that
6 he -- he did treat the tamponade successfully with his
7 subzyfoid incision by removing the fluid and clot that he
8 encountered and then placing a drainage tube.

9 Okay?

10 And then that's further
11 evidenced by the patient's continued hemodynamic stability
12 post-operatively.

13 Okay?

14 Secondly, the fact that this
15 patient is three weeks out from surgery and -- following a
16 procedure wherein the literature nor in the other expert --
17 the Plaintiff's expert's opinions have they seen a suture
18 line failure. It's a reasonable thing to conclude that you
19 don't have the -- the first reported case of this in the
20 history of mankind.

21 The risks versus benefits of
22 doing a sternotomy is that there's very little chance
23 you're going to injure anything from a subzyfoid incision.

24 At three weeks
25 post-operatively, with a -- with a sternotomy, you have

1 very, very dense adhesions that are already forming in
2 there, that when you put the sternal saw back in --
3 because -- because after you take these wires out, this
4 sternum is basically already healed at three weeks.

5 And you're going to have to
6 resaw that open, and you're going to -- there's a great
7 risk of injuring not just the ventricle when you open up,
8 but your entire Ross conduit that you have put in.

9 So it's a risk/benefit ratio
10 that you're looking at.

11 Put it this way:. If -- If
12 he had done a sternotomy and sawed through the ventricle in
13 the process only to get in there and find out that there no
14 bleeding from the suture line to begin with, I think we
15 would be here but for a different reason then because
16 people would be saying that he violated the standard of
17 care by doing a sternotomy when he didn't have to.

18 Q. How likely would it be that he
19 would saw through the ventricle?

20 A. Well, the -- I can give you
21 all sorts of case citings. That happens all the time on
22 redo sternotomies.

23 And once again all you need to
24 do is -- If you'll -- If you'll just check Glen and Edmonds
25 and Kirklin on dangers of re-entry sternotomy, it's quite

1 well-documented because the back -- the front of the heart
2 is stuck to the back of the sternum.

3 Q. Have you given me all of the
4 reasons -- all of your reasons for your opinion that Doctor
5 Oddi was justified in doing only a subzyfoid procedure and
6 not a full sternotomy under these circumstances?

7 A. Well, I'd say I believe so.

8 But time -- Let me -- I'm just
9 going through my own mental process here.

10 Let's see. Three weeks out on
11 Coumadin. Risk versus benefits of sternotomy versus
12 subzyfoid incision. The findings of thrombus in and of
13 themselves don't necessitate conversion to it because
14 you're expecting to find thrombus in there.

15 I think that covers -- And
16 plus, you relieved the tamponade. I think that covers it.

17 Q. But what if -- I mean -- And
18 you know what? What about the problem in the note -- And
19 again I'm going to argue with you here for a minute.

20 A. Okay.

21 Q. What about the note that says
22 the concern there may be some slow ongoing bleeding from
23 one or more of the suture lines?

24 Given that concern of Doctor
25 Oddi, don't you have to presume the worst?

1 A. Well, I think that you --
2 you -- you always entertain that possibility. I mean he's
3 certainly raised the -- the issue there. It's not like he
4 doesn't know anything about it all.

5 This patient is -- once again
6 is three weeks out from surgery.

7 Okay?

8 It's -- It's unheard of to
9 have a suture line failure three weeks out after surgery,
10 yet that's exactly what this patient did have.

11 He's going to be observed
12 closely. I don't know what else you could do.

13 I mean yes, you could have
14 done a sternotomy. This gets into the next issue. Yes,
15 you could have done a sternotomy at that point, uncovered a
16 large clot up there just Doctor -- like Doctor Kaminsky is;
17 but you would have been in the same place that Doctor
18 Kaminsky was twenty-four hours later or less.

19 Q. Let's -- Let's talk in terms
20 of within your -- when you talk about twenty-four to
21 seventy-two hours post --

22 A. (Interrupting) Sure.

23 Q. (Continuing) -- procedure.
24 It's a valve procedure, and you see this kind of condition;
25 and you've got a -- you've done a subzyfoid procedure.

1 At that point in time, if
2 you're concerned of slow ongoing bleeding from one or more
3 of the suture lines, it's -- it's required by the standard
4 of care that you open the patient up.

5 Right?

6 A. If you're twenty-four to
7 seventy-two hours out, yeah.

8 But I wouldn't normally do a
9 subzyfoid approach -- I would only do that emergently in
10 the ICU until I could get the patient back to the operating
11 room.

12 Q. Okay.

13 A. Okay? The standard re-entry
14 technique in patients when they're twenty-four to
15 forty-eight hours or twenty-four to seventy-two hours
16 post-operatively, is to take them back to the operating
17 room, remove their wires, and just simply open the sternum.

18 Because the sternum doesn't
19 have to be resawed at that point. It simply will open back
20 up with a retractor.

21 Q. So, there's no risk of hitting
22 the --

23 A. (Interrupting) Well, there's
24 always a risk of hitting something; but the risk is much
25 less at that point.

1 Q. Well, you're -- But you're
2 not -- Well, are you telling me that you're not concerned
3 about sawing into the ventricle?

4 A. Not -- No, not at -- not at
5 twenty-four to seventy-two hours out because you don't have
6 to use the saw again. You've already done that. The only
7 thing that's keeping that sternum together are the wires
8 that you've put in there.

9 The natural tendency of the
10 sternum, as soon as you take the wires out, is for it to
11 open back up anyway because of the elastic recoil in the
12 skeletal -- or the thoracic skeleton.

13 Q. Okay. Now, you've indicated
14 that you think had Doctor Oddi done the thoroco -- or
15 the -- yeah, the thoracotomy the night before - --

16 A. Sternotomy?

17 Q. Sternotomy. Excuse me.

18 A. Yeah.

19 Q. The sternotomy the night
20 before, more likely or not -- or to a reasonable degree of
21 medical probability, the same thing would have happened as
22 what happened the next morning.

23 A. Exactly.

24 Q. Tell me why.

25 A. Simply because the process

1 that prohibited Doctor Kaminsky from being able to repair
2 this was not really a technical one as far as getting to a
3 spot that required a suture.

4 The problem was getting the
5 sutures to hold, and that's -- like I said, that's evident
6 in his operative note and it's also evident in the
7 pathology report from the autopsy.

8 In other words, there's a
9 reason that a suture line suddenly -- It's not a suture
10 broke when we say a suture line failure. What happened, I
11 believe, is that whatever this granulomatous process was,
12 this chronic inflammation that they found in there,
13 probably would not allow -- because it wasn't healed, in
14 other words, the artery was not healed yet, probably
15 allowed for some -- because of the tension's that's
16 naturally on anything that pulsates, allowed it to pull
17 through -- liken it -- liken it to a cheese -- a cheese
18 slicer. Okay? And soft cheese is a lot easier to put that
19 slicer through than hard cheese. And it's the same sort of
20 thing. If you have some sort of granulomatous process
21 that's going on that's causing friability of the tissues,
22 then you can put as many sutures in there as you want to;
23 but because of the intrinsic nature of whatever this
24 process is, they're not going to hold.

25 And I believe that's what

1 Doctor Kaminsky found that night, and that's what Doctor
2 Oddi would have found the night before.

3 Q. What options would he have
4 then? Could he have put the patient on bypass.

5 A. Well, but see, Doctor Kaminsky
6 put the patient on bypass. That's -- That's fine, except
7 that it still doesn't -- being on bypass only gives -- only
8 buys you some time while you're trying to repair this. It
9 doesn't allow the tissue to hold any better.

10 Q. In terms of probability, what
11 options would have been available to Doctor Oddi the night
12 before, assuming he opens the chest up, finds the suture
13 line, as -- as we've discussed it with the granulomatous
14 tissue and the friable tissue, what options would there be
15 available to him the night before to salvage this patient?

16 A. Well, I -- I don't think
17 he had any options that would have been any differently
18 than the ones that Doctor Kaminsky had, and that is to try
19 to control the suture line bleeding as best you can.

20 Q. But the night before, he's not
21 dealing with -- with having dumped eight hundred cc.s into
22 the chest tubes.

23 A. But that's not a -- that's not
24 what the problem is. That -- The eight hundred cc.s of
25 blood that's dumped is the sign of what the problem is.

1 And the problem is bleeding
2 from the suture line. It has -- It doesn't matter if it
3 was eighty cc.s or eight thousand cc.s That's not the
4 problem.

5 Because they got him on
6 bypass. They got the heart decompressed. They had
7 everything available to them that they needed to have
8 available to them to repair the suture line.

9 The problem was the intrinsic
10 nature of the tissue itself.

11 There is some tissue that --
12 that cannot be sewn back together. It's like sewing, as we
13 say - excuse the expression - it's like sewing flatus to
14 moonbeams.

15 Q. Okay. But you've never seen
16 tissue like this before in the heart? You've seen it in
17 other areas of the body.

18 Right?

19 A. Yes. But in the same
20 structure - the aorta. Just move down -- down towards the
21 feet a little bit.

22 Q. You've seen this -- You've
23 seen tissue like this in the aorta?

24 A. Absolutely. That's what I was
25 trying to tell you. On reoperative aortic aneurysms, you

1 can find this. But you have the option of going to a
2 different site in the aorta where you can find healthy
3 tissue.

4 The -- Doctor Oddi didn't have
5 that option -- Or I should say, Doctor Kaminsky didn't have
6 that option because he was only a couple of centimeters
7 from the very origins of the aorta to begin with; and you
8 could only go so far to start your suture line. After
9 that, there's nothing you can do. You're down into the
10 heart.

11 Q. Is confronting this type of
12 tissue as described in the op note and in the autopsy
13 report and pathology report, is it -- is this described in
14 the literature?

15 A. Oh, yeah.

16 Q. And did you tell me that
17 already? If you didn't, would you humor me and tell me
18 again where?

19 A. Okay. Be specific in your
20 question, and I'll tell you about that.

21 Q. Yeah. I mean this
22 granulomatous tissue you described, this friable tissue.

23 A. Yeah. If you look in the
24 index in any of these books under granulomatous tissue,
25 you're not going to find it.

1 But if you look in -- in
2 textbooks as far as description of -- of tissues that just
3 won't hold in case reports and things like that, certainly
4 everybody that's ever sewn anything inside the body can
5 tell you that there are some tissue that just won't hold
6 suture at all because of its friable nature.

7 I mean that's -- You don't
8 have to do a double-blind study on that to know that it
9 happens. That's just based on training, experience,
10 knowledge, and just observation over a period of time.

11 Q. Do you have an opinion in
12 terms of probability as to why it took three weeks for this
13 to manifest itself?

14 A. Well, I think -- I think that
15 whatever it was was chronic as depicted in the autopsy
16 report and also by the description of Doctor Kaminsky.

17 I can't tell you why it took
18 three weeks; but then some granulomatous processes, you
19 know, take three years. I mean there's just no way to tell
20 why it was three weeks. Whatever it was, it was -- it was
21 some sort of reactive process.

22 It could also be a suture line
23 infection. Just because they didn't get anything to grow
24 out in culture doesn't mean anything at all. There
25 probably is many infections that occur where nothing ever

1 grows out as ones that do. It depends on your collection
2 technique.

3 Q. You say it was chronic, then
4 you -- and then you cited to Doctor Kaminsky's op note and
5 the autopsy.

6 What in the autopsy, if you
7 would, please, leads you to believe it was chronic?

8 A. Let me read it to you. The
9 part where it says chronic inflammation and granulation
10 tissue.

11 Q. Okay. Okay. The -- The
12 conclusion then by the pathologist that --

13 A. (Interrupting) Yeah.

14 Q. (Continuing) -- it's chronic?
15 Okay. What about Doctor
16 Kaminsky's op note?

17 A. Well, what he does -- He
18 doesn't use the word chronic in there, but what he does use
19 is -- is words such as shaggy appearance. Let's see.
20 Yeah, that's basically it.

21 What -- What he's talking
22 about is just in general. He just describes in general the
23 difficulty that this area was to resuture.

24 Q. Okay.

25 A. I mean he doesn't have the

1 benefit that a pathologist does of looking at these things
2 underneath the microscope.

3 Q. Let me back up a minute and --
4 going back to Doctor Oddi.

5 A. Okay.

6 Q. I mean should it have been
7 running through his mind, as a reasonably prudent physician
8 in these circumstances, that what he was seeing was a
9 herald bleed?

10 A. No. Because once again
11 there's no precedent for this to be a herald bleed three
12 weeks after a Ross procedure. That's unheard of. That's
13 what we're talking about.

14 A herald bleed three weeks
15 after a Ross procedure, you would have to be thinking of
16 what could be bleeding in there; and, of course, you would
17 think, well, suture line bleeding doesn't normally present
18 this way. Suture line bleeding presents the way that it
19 presented on the 10th and not on the 9th.

20 A reasonably prudent physician
21 would come to the conclusion I believe that Doctor Oddi
22 did, in that this is just a problem secondary to
23 anticoagulation in someone who just had heart surgery three
24 weeks ago.

25 Q. Well, if you were two or three

1 weeks -- If you were two or three days out -- I mean - I'm
2 sorry - twenty-four to seventy-two hours out from valve
3 surgery and you saw a bleed like this in the pericardium,
4 would you have concluded that it was a herald bleed?

5 A. You're talking about what he
6 saw -- what Doctor Oddi saw?

7 Q. Yeah. With what Doctor Oddi
8 in this patient on the 9th.

9 If you were just twenty-four
10 to seventy-two hours out post-valve surgery, would you have
11 concluded more likely than not that this was a herald
12 bleed?

13 A. Well, you would have been able
14 to conclude whatever you wanted to because you would have
15 handled it differently at twenty-four hours than you would
16 at three weeks.

17 Q. Okay. But assuming for some
18 reason you do a subzyfoid approach twenty-four to
19 seventy-two hours out --

20 A. (Interrupting) Uh-huh.

21 Q. (Continuing) -- and you see
22 this type of presentation, at that point in time what's
23 running through your mind is more likely than not we've got
24 a herald bleed here.

25 Right?

1 MR. BEST: I -- I object.
2 He's been through this multiple times. I guess he can do
3 it one more time, but --

4 MR. BURNETT: (Interrupting)
5 Okay.

6 MR. BEST: (Continuing) --
7 he's told you these aren't -- You're talking about not only
8 apples and oranges. You're talking about apples and
9 plants. There's two different animals. So he can explain
10 it again, but let's not keep repeating the same stuff.

11 A. Yeah. First of all, I think
12 that if -- if you're a heart surgeon and you take somebody
13 back at twenty-four to seventy-two hours and you do just a
14 subzyfoid approach on them at that time and look in there
15 and see clot and you don't open the sternum, that's a
16 deviation of the standard of care for that particular
17 incident, at twenty-four to seventy-two hours because
18 you're thinking of -- Your thinking is totally different.

19 If you're thinking of
20 post-operative bleeding algorithms, okay, and you're going
21 all the way back to decision trees, which is how surgeons
22 are basically trained to do. We have decision trees and
23 algorithms that we follow. This -- This -- This period of
24 time, you are thinking about suture line breakdowns and
25 cannulation sites and things like that because that's when

1 they present themselves.

2 Okay?

3 You wouldn't want to just
4 expose to a subzyfoid incision as your only operation
5 simply because you need to think about those things that
6 are going to cause the problem.

7 At three weeks, it's a totally
8 animal that we're talking about. A thrombus in there at
9 three weeks on a patient -- in a patient that's been on
10 anticoagulation, you don't think of cannulation sites and
11 suture lines because that's not normally what it is.

12 It's unheard of for it to be.
13 I've never seen it. I don't believe Doctor Oury had ever
14 seen it based on his testimony, either, that far out. This
15 is a very, very unusual situation that we're dealing with.

16 Q. Okay. Tell me -- Let's talk a
17 little bit about your file.

18 A. Okay.

19 Q. First of all, did you make any
20 notes in this case?

21 A. No.

22 Q. Okay. You authored one -- one
23 report?

24 A. Yes.

25 Q. Were there any revisions?

1 A. No. The -- The only thing
2 that I have noted -- And I'll just tell you that if you
3 look at my original report -- Do you have that in front of
4 you?

5 Q. Yes.

6 A. Okay. I've added a number six
7 and a number seven on here that -- and that is just that
8 I've reviewed the deposition of Doctor Oury.

9 Q. Okay.

10 A. And I also reviewed the
11 deposition of William Risher, the original expert that you
12 had in this case.

13 Q. Okay.

14 A. And that's it.

15 Q. But -- But your -- your three
16 standard opinions....?

17 A. And nothing else has changed,
18 no.

19 Q. Okay. Did you make any notes
20 on any of the medical records?

21 A. No. Huh-uh.

22 Q. And you saw Doctor Kaminsky's
23 and Doctor Donlin's depositions as well?

24 A. Yeah. I think I included
25 those up there in the --

1 Q. (Interrupting) Yeah.

2 A. Yeah.

3 Q. Now, are you critical of

4 Doctor Kaminsky or Doctor Donlin?

5 A. No, not at all.

6 Q. Okay. Are you critical of the

7 patient at all in this case?

8 A. No. Huh-uh.

9 Q. Bear with me one moment,

10 Doctor. I'm almost done.

11 Doctor, have you received any

12 other reports from any other Defense experts?

13 A. No.

14 Q. No report from a fellow named

15 Mark Botham?

16 A. No.

17 Q. Okay. Are you aware of the --

18 the concept -- Or have you come across a situation in which

19 you've concluded that traumas in the pericardial space is,

20 for instance, more recent than fluid in the pericardial

21 space because of the pulsating beats of thrombus down in

22 the fluid? Does that make sense to you?

23 A. Well, if you look at

24 anything -- I mean I could put anything I -- I could put,

25 you know, an angel food cake on top of a heart, and it

1 would pulsate. Anything that's inside the pericardial
2 cavity laying on top of the heart is going to pulsate.

3 So you can't conclude anything
4 by -- by the fact that the thrombus itself is pulsating.

5 Q. Well, I mean what I'm -- what
6 I'm asking is, the pulsating actually liquefies thrombus?

7 A. That the pulsation liquefies
8 like an agitating type of action?

9 Q. Yes.

10 A. No. I've never seen that.

11 MR. BURNETT: Okay. Doctor, I
12 don't have anymore questions.

13 THE WITNESS: Okay.

14 MR. BEST: John, you owe
15 Doctor Campbell a Thousand Dollars for this. Do you want
16 him to send you a bill?

17 THE WITNESS: I'll send it to
18 you.

19 MR. BURNETT: You know what?
20 If he would send us an invoice, that would be helpful.

21 THE WITNESS: Yeah. I'll send
22 it to David, and he can send it on to you.

23 MR. BURNETT: That's fine.

24 THE WITNESS: Okay.

25 MR. BEST: And then just so

1 we've got -- I've talked to Doctor Campbell about his
2 testimony. I did check with the Court. Tuesday is his
3 call day. So I'm assuming Monday -- Wednesday you'll be
4 done. He's going to testify Thursday morning. Are we
5 still on the same page? He's canceling patients and moving
6 his life around in order to accommodate this trial.

7 MR. BURNETT: Yeah. Let's
8 see. Monday and Wednesday. I didn't realize Tuesday was
9 his call day.

10 MR. BEST: Yeah. You told me
11 you needed two full days including picking the Jury, so
12 that's why --

13 MR. BURNETT: (Interrupting)
14 I -- I shouldn't need more than two full days.

15 MR. BEST: If you still have a
16 lay witness or something, we'll take him out of order and
17 put Doctor Campbell on --

18 MR. BURNETT: (Interrupting)
19 Okay.

20 MR. BEST: (Continuing) --
21 first thing Thursday morning.

22 Is that okay with you?

23 MR. BURNETT: Yeah, that's
24 fine. And I've got -- Do you want to -- You know, Ms.
25 Burgess broke her ankle; and I can pick her up and bring

1 her to your office at your convenience in the next week or
2 two, whatever you'd like.

3 MR. BEST: Yeah. We'll get --
4 I'll get ahold of you on that --

5 MR. BURNETT: (Interrupting)
6 Okay.

7 MR. BEST: (Continuing) -- in
8 the next few days.

9 MR. BURNETT: That's fine.
10 Listen, Doctor Campbell, thank you for your time, sir.

11 THE WITNESS: Okay.

12 (END OF DEPOSITION)

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1 STATE OF KENTUCKY)
2) SS:
COUNTY OF JEFFERSON)

3 I, William J. Kalbfleisch, Notary Public within and
4 for the State of Kentucky at Large, do hereby certify that
5 the foregoing deposition of DOCTOR ROBERT A. CAMPBELL, II,
6 was taken before me at the time and place and for the
7 purpose in the caption stated; that the said witness was
8 first duly sworn to tell the truth, the whole truth and
9 nothing but the truth; that the deposition was reduced to
10 shorthand writing by me in the presence of the witness;
11 that the foregoing is a full, true and correct transcript
12 of the said deposition so given; that there was a request
13 that the witness read and sign the deposition; that the
14 appearances were as stated in the caption.

15 I further certify that I am neither of kin nor of
16 counsel to any of the parties to this action, and am in no
17 wise interested in the outcome of said action.

18 WITNESS MY SIGNATURE, this 6TH day of January, 2003.

19 My Commission Expires: October 18, 2006.
20
21

22 
23 William J. Kalbfleisch
24 Notary Public
25 State at Large, Kentucky

1 I have read the foregoing 80 pages, and the
2 statements contained therein (subject to corrections,
3 additions and deletions contained in the errata sheet
4 appended hereto) are true and correct to the best of my
5 knowledge and belief.

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8 WITNESS: Robert Campbell, II

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13 Subscribed and sworn to before me by Doctor Robert A.
14 Campbell, II this the 9th day of January, 2003.

15 My commission expires: _____

Notary Public, State of Large, KY
My commission expires May 22, 2004

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18 Barbara Cotton
19 Notary Public
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no changes

1 I have read the foregoing 80 pages, and the
2 statements contained therein (subject to corrections,
3 additions and deletions contained in the errata sheet
4 appended hereto) are true and correct to the best of my
5 knowledge and belief.

6
7
8 WITNESS:

Robert A. Campbell, II

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13 Subscribed and sworn to before me by Doctor Robert A.
14 Campbell, II this the 9th day of January, 2003.

15 My commission expires: _____
16 Notary Public, State at Large, KY
17 My commission expires May 22, 2004

18 *Barbara Cotton*
19 Notary Public
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