

H & N COURT REPORTING (901) 323-3132

KISS v. MARCOTTY, et al.	Condenselt! <sup>M</sup> DEPO - DR. FREDERICK BO	OK
KISS v. MARCOTTY, et-al.         1         2       IN THE COURT OF COMMON PLEAS CUYAHOGA COUNTY. OHIO         3		Page 3
12 13 14 15 16 17 18 H & N COURT REPORTING 3610 Philwood Avenue 19 P.O. Box 41971 Memphis, Tennessee 38174 20 21 22 23 24 25	3 4 REPORTED BY US CATHY 4 HASTINGS CCR 5 6 7 8 9 0 1 2 3 4 5	
1 The deposition of DR FREDERICK <b>A</b> . BOOP, 2 taken on behalf of the Plaintiffs, pursuant to 3 Notice, on January 14, 2002, beginning at 4 approximately 3:00 p.m. in the offices of 5 Semmes-Murphey Clinic, 220 S. Claybrook, #600 6 Memphis, Tennessee. 7 This deposition is taken in accordance with 8 the terms and provisions of the Ohio Rules of 9 Civil Procedure. 10 All forms and formalities are waived, and 11 objections as to relevancy, materiality and 12 competency are reserved, to be presented at or 13 before the hearing. Objections as to the form 14 of the question must be made at the times of the 15 taking of the deposition. The signature of the 16 witness is waived. 17 18 19 20 21 22 23 24 25	1       - INDEX -         2       WITNESS:       PAGE NUMBER         3       DR. FREDERICK A. BOOP         Direct Examination       5	nge 4

## Condenselt!<sup>TM</sup>

KISS v. MARCOTTY, et.al.	Condenselt. <sup>1 M</sup> DEPO - DR. FREDERICK BOOK
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1 MS. TOSTI: Let the record reflect	I question. Otherwise, I'm going to assume you
2 this is a deposition being taken pursuant to Ohio	2 understood my question and you're able to answer
3 Civil Rules and that this is a discovery	3 it.
4 deposition being taken under Civil Rule 126 for	4 At some point defense counsel may choose to
5 discovery purposes only and under	5 enter an objection. You're still required to
6 cross-examination to elicit the opinions held by	6 answer my question unless she has grounds to
7 Dr. Boop relative to the case; that this	7 specifically instruct you not to do so.
8 deposition is being taken by agreement with	8 If at any point in time it's helpful for
9 defense counsel and plaintiffs' counsel.	9 you to refer to your medical records that you
10 May I have a stipulation from defense	10 have in your file, please feel free to do so.
11 counsel that there is no problem in using a	11 This isn't a memory test whatsoever.
12 Tennessee court reporter and that will be	12 I would also ask that you give all of your
13 waived?	13 answers verbally because our court reporter can't
14 MS. CARULAS: Correct.	14 take down head nods or other motions.
15 DR. FREDERICK A. BOOP,	15 A. I understand.
16 having been first duly sworn, was examined and	16 Q. Has anything been removed from your file
17 testified as follows:	17 that I have just had an opportunity to take a
18 DIRECT EXAMINATION	18 look at?
19 BY MS. TOSTI:	19 MS. CARULAS: I did remove the
20 Q. Doctor, this deposition is being conducted	20 correspondence that he had from experts, but
21 a little bit later than we had planned due to	21 other than that nothing from my standpoint.
22 some problems. Hopefully we'll be able to finish	
23 this deposition but in order for defense counsel	23 the correspondence that defense counsel has just
14 and myself to catch our plane, which is the last	24 mentioned, contain all the materials you have
25 flight, we may not be able to complete it today.	25 reviewed on the case?
	Page 6 Page 8
1 In which case we'll make arrangements to finish	1 A. It contains all that I've been able to find
2 it at a later date.	2 in this last week. I believe that I've been sent
3 A. All right.	3 depositions by Dr. Savino and I may have a
4 Q. Would you please state your full name for	4 deposition by the child's mother's, but I
5 us.	5 couldn't find it in my review so I'm not sure
6 A. Frederick Allen Boop, B-O-O-P.	6 whether or not I've seen it.
7 Q. And your business address?	7 Q. You don't recall reading either of those'?
8 A. It's Seinmes-Murphey Clinic, that's	8 A. I don't recall specifically reading either
9 S-E-M-M-E-S dash M-U-R-P-H-E-Y, 220 South	9 of those, that's correct.
0 Claybrook, Suite 600 Memphis, Tennessee, 3810	
1 Q. Have you ever had your deposition taken	11 on the desk in front of you that you've reviewed'?
2 before?	12 A. Not that I'm aware.
3 A. I have.	13 Q. I believe have you had that report of
4 Q. How many times?	14 plaintiff's experts?
5 A. Oh, I would say an average maybe once a	15 A. Yes.
6 year over the last ten years, something like	16 Q. And is there a reason why those aren't in
7 that, maybe twice a year.	17 your file?
8 Q. Now I'm sure that counsel has had an	18 A. I have Dr. Neff's deposition. Is that what
9 opportunity to speak with you but I'm going to go	
10 over a few ground rules. This is a question and	20 Q. Dr. Neff's report and Dr. Savino's report?
11 answer session under oath.	21 A. I've seen those. I don't know that I have
2 It's important that you understand the	22 a copy of those.
13 questions that I ask you. If you do not	23 Q. How is it that you've seen those and don't $\frac{1}{2}$
:4 understand a question, let me know and I will be :5 happy to repeat the question or rephrase the	24 have a copy; where they sent to you? 25 A. I believe so.
Is happy to repeat the question of rephrase the	23 A. I UCHEVE SU.

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1 MS. CARULAS: They were sent	-	1 business office so I wouldn't know.
2 initially and they're referenced in his report.		2 Q. Now I'd like you to tell me about your
<sup>3</sup> They must be at his home or whatever.		3 experience in medical legal matters. When was
4 Q. (BY MS. TOSTI) Is there anything else that		4 the first time that you offered your services as
5 you didn't bring with you today that you've		5 a medical legal consultant?
6 reviewed on this case other than those items that		6 A. As a rough guess I would say probably I
7 we've just talked about'?		7 finished my training in '89, finished my
8 A. Not specifically for this case, no. I		8 fellowship in 1990 and entered practice that
Y mean, I have literature on arachnoid cysts and		Y year. So probably thereabouts is when I would
10 textbooks but nothing specific to this case.		0 have begun.
11 Q. Did you review any of those testimonies		1 Q. 1990 approximately'?
12 specifically for this case for your report or		2 A. I would say so.
13 your testimony today or anything else that you		3 Q. Approximately how many medical legal
14 referenced to this case?		4 matters do you consult on per year'?
15 A. I did read portions of a book on pediatric		5 A, Maybe a handful, not a lot.
6 neuroophthalmology by Brodski.		6 Q. Can you quantify that a little bit as to
17 Q. Do you know the title of that book?		7 what you mean by handful?
18 A. I believe it's Pediatric		8 A. Maybe five or six per year.
19 neuroophthalmology.		9 Q. How many do you have right now that you are
20 Q. What portions did you refer to?		:0 currently consulting on?
21 A. I think they have a chapter on optic disk		1 A. Probably about that many, five or six.
12 swelling in children.		2 Q. And what proportion of the medical legal
13 Q. Why is it that you consulted that		3 matters on which you've consulted have been for
14 particular text?		4 the plaintiff and what proportion have been for
25 A. I consulted it because in reading through		:5 the defendant?
	Page 10	Page 12
1 Dr. Neff's deposition he seemed to emphasize th	e	1 A. Well, I don't discriminate one way or the
2 need for Dr. Luciano to have followed the child'	s	2 other. It's a matter a merit. I would say the
3 visual acuity and my understanding, my education	on	3 cases where I rendered an opinion the majority
4 was that when we're concerned about papilledem	na	4 have been defense cases but I've also given
5 we follow visual fields because visual acuity is		5 opinions in plaintiff cases.
6 something that goes at the last minute and that		6 Q. Can you give me an approximate percentage
7 visual fields are the much better test to follow		7 of what percent defendant and what percent
8 so I referred to this textbook which confirmed		8 plaintiff?
9 what I thought to be true.		9 A. Maybe 80/20 defense plaintiff, something
0 Q. Were you provided with any fact summaries		0 like that.
1 or timelines regarding this case?		1 Q. Of the cases where you consulted for the
2 A. No, I don't believe so.		2 plaintiff how many times did you find that there
<i>3</i> Q. And were you given or asked to review any		3 was substandard care'?
4 medical literature?		4 A. I couidn't give you an answer. There were
5 A. No.		5 more than one but I couldn't tell you a
6 Q. Did you receive any deposition summaries?		6 percentage.
7 A. Just I have the depositions here. No		7 Q. Many more than one or closer to one or two'?
8 summaries, no.		8 A. I couldn't tell you. Probably I mean if
9 Q. Approximately how many hours of expert		
20 services have you spent on this case to date?		9 I reviewed a half dozen plaintiff cases, I found
A. Probably eight or ten. I don't know		0 fault in half of those I would say.
2 exactly.		<ul><li>0 fault in half of those I would say.</li><li>1 The reason it's difficult is sometimes I'll</li></ul>
		<ul> <li>0 fault in half of those I would say.</li> <li>1 The reason it's difficult is sometimes I'll</li> <li>2 get called by someone saying, let me run this by</li> </ul>
3 Q. Have you provided any bills for your time		<ul> <li>0 fault in half of those I would say.</li> <li>1 The reason it's difficult is sometimes I'll</li> <li>2 get called by someone saying, let me run this by</li> <li>3 you; I think we have a case and I may say it</li> </ul>
		<ul> <li>0 fault in half of those I would say.</li> <li>1 The reason it's difficult is sometimes I'll</li> <li>2 get called by someone saying, let me run this by</li> </ul>

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#### **CondenseIt!**<sup>M</sup> KISS v. MARCOTTY. et.al. **DEPO - DR. FREDERICK BOOK** Page 13 Page 15 I Q. You previously mentioned that you've had 1 A. I honestly don't. 2 your deposition taken once or twice a year over 2 Q. Do you know what your charge is for trial 3 the course of the last ten years. 3 testimony'? How many times have you had your deposition 4 A. No. 4 5 taken as an expert in a medical legal matter? 5 Q. Approximately how much money did you make 6 last year consulting on medical legal matters'? 6 A. Maybe once a year or so -- no, I'm sorry MS. CARULAS: Note my objection. 7 deposition taken, not testified in court? 7 8 A. It was less than one percent of my income. 8 O. Right, deposition. 9 Q. (BY MS. TOSTI) Have you ever provided your 9 A, Probably two or three times a year. 0 Q. When is the last time that you had your 0 name for a professional service or medical legal I consulting finn indicating that you're available I deposition taken'? 2 to do medical legal consultations'? 2 A. As an expert in a medical defense? 3 A. No. 3 Q. Yes, as an expert in a medical legal 4 Q. Have you ever been named as a defendant in 4 matter. 5 A. Within the last six months I believe, but 5 a medical negligence case'? MS. CARULAS: Objection, you can 6 it was probably close to six weeks ago. 6 7 answer. 7 Q. Have you ever testified at trial? 8 A. I have. 8 A. Yes. 9 Q. (BY MS. TOSTI) How many times? 9 Q. How many times? MS. CARULAS: I have a continuing 0 A. In the medical legal setting not as a fact 20 11 objection to this line of questioning, but go 1 witness?

 1 witness?
 1 objection to this line of questioning, but g

 2 Q. Well, let's just say how many times have
 1 objection to this line of questioning, but g

 3 you testified as a medical person at trial?
 1 ahead.

 4 A. Three that I can recall.
 1 outstanding. That's it.

 5 Q. Then how many times have you testified as a
 15 Q. (BY MS. TOSTI) Well, my - 

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1 medical legal expert? I A. There were three times when I was a 2 resident in training where everybody in the 2 A. Two that I can recall. 3 department was named. I was named in that part 3 Q. Were either of those times for plaintiffs? 4 A. No, both of those were defense. 4 of those. Those all fell by the wayside, but 5 where I've been named specifically there is one 5 Q. What is your charge for consultation on a 6 medical legal matter? 6 case. 7 A. My office has the fee schedule. They can 7 Q. And where is that case filed; is that here 8 provide you that information. I don't know what 8 in Memphis? 9 A. It's in Arkansas. 9 the charge is to be honest. 0 Q. Is that something that's readily available? 0 Q. That case is currently pending'? I A. I would think so. I would think my I A. Um-hmm, yes. 2 Q. Who is the plaintiff in that case? 2 secretary could get you one. 3 A. Leslie is the last name. The patient's MS. TOSTI: Well, I would like to 3 4 name was John Paul Leslie. It's his wife and 4 know what the doctor is charging us for this. Do 5 children that have filed the case. 5 you know? MS. CARULAS: I have no idea but we 6 Q. What was the alleged negligence made by the 6 7 plaintiffs'? 7 can get that. 8 Q. (BY MS. TOSTI) Well, I'm making a request 8 A. There was a portion of a cotton ball that 9 for your fee schedule, Doctor. 9 remained in the patient's head following surgery :0 and it fonned some scar tissue and led to his 0 A. Okay. I Q. Do you charge the same for a consultation 11 being reoperated on to see what it was and he 2 subsequently expired a few days after surgery, 2 as you do for deposition testimony? 3 A. I believe there's a difference in the 3 Q. Is that case set for trial'? 4 A. Not yet. 4 charge.

5 Q. You don't know what that is?

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5 Q. Has your deposition been taken in that

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1 case'?			ken in that case?	
2 A. No.		2 A. I don't ev		
3 Q. Has your medical license ever been		3 Q. Did you	render a written report in that	
4 suspended or revoked or called into question'?		4 case'?		
5 A. No.		5 A. I don't re	ecall.	
6 Q. Have you ever been subject to any state			mething that you keep in your	
7 disciplinary action in regard to your medical		7 records when	n you render a report as an expert?	
8 license?		8 A. No.		
9 A. No.			n this case have you ever worked	
0 Q. Have you ever been asked to review a		10 with Ms. Ca	rulas?	
1 medical legal matter involving issues of vision		11 A. No.		
2 loss and increased intracranial pressure'?			in in this case have you ever been	
3 A. Probably. I've had cases I've reviewed			a medical legal matter by	
4 that dealt with issues of shunt malfunction. I		14 Ms. Canrlas	law firm'?	
5 remember one case specifically that I reviewed.		15 A. Not to m		
6 I don't think I gave a deposition in that case			now how it is that you came to be	
7 but it involved a child who went blind from a			garding this case?	
8 shunt malfunction.		18 A. No.		
9 Q. How old was that child?			ere you first contacted'?	
0 A. I want to say 12 or 14, somewhere in that			ave the date. It's probably been	
1 ball park. That's been several years ago. I		21 a year, year	-	
2 don't remember much of the details.			one of those letters that	
3 Q. What was your opinion in regard to the		23 Ms. Carulas	has removed from your file'?	
4 cause for that child's blindness?		24 A. Could be		
5 A. The child's blindness was related to		25 Q. Were you	contacted by letter or by phone;	
	Page 18			Page 20
1 increase in intracranial pressure.		I do you know		
2 Q. Did you render an opinion in that case that		2 A. I don't ev		
3 there was a shift in pressures that caused the		-	ecall who contacted you initially'?	
4 blindness'?		4 A. I believe	she did but I can't recall	
5 A. No.		5 whether it w	as a phone call or letter that came	
6 Q. Did your opinion in that case rest upon the		6 first.		
7 fact that the child had increased intracranial		7 Q. Did Dr. I	Luciano ever contact you and ask	
8 pressure papilledema that led to the blindness?		8 you to review	v the case?	
A. I don't remember the nature of the case.		9 A. No.		
• It was a child that that state your		0 Q. Do you k	now if Dr. Luciano was the one that	ıt
I question again.		1 may have su	ggested you to review the case'?	
2 Q. Yes. I said in that case did you render an		2 A. I have no	knowledge of that.	
3 opinion that the child's vision loss was related		3 Q. Do you k	now when the case is set for trial?	
4 to increased intracranial pressure and		4 A. I was told	l today it was set for trial in	
5 papilledema'?		5 February.		
6 A. I don't remember.		6 Q. Have you	been asked to come to Cleveland	n
7 Q. Do you recall who the plaintiff's attorney			estify in trial on this matter?	
8 was on the other side of that case?			CARULAS: I've been bugging his	
9 A. No, I wouldn't.		9 secretary to g		
Q. Aside from that case do you recall any			OSTI) I'm sorry, I didn't hear	
1 other cases in which you acted as a medical lega	al	1 your answer.		
2 expert that involved issues of increased		•	nowledge I have not formally set a	
3 intracranial pressure and vision loss?			Cleveland in February.	
4 A. And vision loss, not that I can recall.		-	ntend to be there for trial in	
5 Q. The case that you just mentioned was your		:5 February'?		
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I A. If asked I'll be there.	1 Q. What	proportion of you	r responsibilities	-
2 Q. Doctor, I have what's been marked as	2 were resea		-	
3 Plaintiff's Exhibit 1 which I believe is your CV	3 A. I belie	ve at that time a	third of	
4 and I'm going to ask you if you would just take	a 4 between J	anuary and July	of 1990 I believe a	
5 look at it and if you would identify it for our	5 third of m	y time was resea	rch time.	
6 court reporter as to what that document is.	6 Q. Now y	ou have several l	board certifications	
7 (Whereupon, the above-mentioned	7 listed on y	our curriculum	vitae. Did you pass	
8 document was marked as Exhibit 1.)	8 all of thos	e on your first at	ttempt?	
9 (Document passed to the witness.)	9 A. Yes, n	na'am.		
10 A. That is a copy of my curriculum vitae last	10 Q. One co	ertification that I	see listed here	
11 updated April 2001.	11 Gamma K	Inife certification	; is that correct?	
12 Q. (BYMS. TOSTI) Is it current and	12 A. That's	a course, that's o	correct.	
13 up-to-date?	13 Q. Would	you explain brie	efly what Gamma K	nife
14 A. As of April 2001.	14 certification	on is?		
15 Q. Well, are there any additions or	15 A. Gamm	a Knife is a tech	nology that involves	5
16 corrections that you would like to make to it'?	16 using high	nly focused radiat	tion beams targeted	at
17 A. I think there is a more current version but	17 areas insid	le the brain. Prin	marily used for	
18 I don't think there is anything that's been added			vascular malformatio	ons.
19 that would be relevant to this case.	19 And b	eing relatively ne	ew technology you	
20 Q. What additions would be in the more current	20 have to ta	ke a course and t	he course I took I	
21 version that are not on this one?	21 believe wa	as a week long. I	It was at Pittsburg a	nd
22 A. Any publications that may have come out in		out a year ago.	C C	
23 the last year, any lectures I may have been	23 Then y	with their certific	ation we perform a	
24 invited to give over the last year, any new			al mentor before we	can
25 committee responsibilities I may have been given	25 start treati	ng patients with	that technology on	
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1 over the last year, things like that.	I our own.			
2 Q. Your recollection is that any additional	2 Q. Do an	y of your opinion	is in this case	
3 publications would have no direct bearing on the		e Gamma Knife?		
4 issues of this case; is that correct?	4 A. No.			
5 A. That's correct.	5 Q. Who i	s your present en	nployer'?	
6 Q. Just keep that copy because we're going to		es-Murphey Clin		
7 have some questions that we're going to go			ofessional services	
8 through and you may want to refer to that.			s Semmes-Murphey	
9 I note on your curriculum vitae that you	9 Clinic?	5	1 5	
10 have a fellowship in pediatric neurosurgery that		ean like am I on	an advisory board,	
11 I believe you've got dated on here from December				
12 through June of 1990?			ices where you're	
13 A. That's correct.	13 paid.			
14 Q. Would you describe that pediatric	-	id as a consultan	t to Medtronics PS	
15 fellowship for me as to what thatjust in	-	It's a company the		
16 general terms what that entailed?	16 products.	a company a	manes sham	
17 A. Certainly. That was performed at Arkansas	-	hat type of consi	ulting services do yo	ou
18 Children's Hospital and my mentor was William	8 provide to			
19 Chaddick and basically I served as a clinical	-	on their professi	ional advisorv	
20 instructor for the University of Arkansas. My	20 board.	Protosol		
21 role was clinical and the daily care of		s an advisor what	t do you do; what ty	ne
22 patients. It also involved some research at that			ur attention that you	-
22 patients. It also involved some research at that 23 time.		oportunity to give	•	•
24 Q. I'm sorry, you said research?		evelopment of new	-	
25 A. Correct.		ther entities that	-	
		inci cittutes tilat	you provide	

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I professional services for besides Semmes Clinic	1 area of neurosurgery'.)
2 and the Medtronics Medical for shunt products?	2 A. Yes, I believe so or neurology.
3 A. I have an appointment at the University of	3 Q. Do you maintain any medical offices outside
4 Tennessee Medical School as an associate	4 of your office here at the Semmes Clinic'!
5 professor but I'm not paid for that appointment.	5 A. No, the group does but or I should say
6 But I do some university work based on this, like	6 the group has offices outside of this office but
7 training residents and I sit on committees, that	7 I'm not part of those.
8 sort of thing.	8 Q. How many other places do they maintain
9 Q. Is the training that you provide to	9 offices besides this institution'?
10 residents, is that the clinical, mostly,	0 A. There is another office in east Memphis;
11 supervision of residents'?	1 there is an office in Jackson, Tennessee and one
12 A. Primarily. It may involve research as	2 in Florence, Alabama and I believe one in Muscle
13 well.	3 Shoals, Alabama.
14 Q. Do you do any formal classroom instruction	4 Q. Now, Doctor, you have quite a few
15 for the residents'?	5 publications on your curriculum vitae. Are there
16 <b>A.</b> Yes.	6 any that you feel have particular relevance to
17 Q. How often do you do that?	7 the issues in this case as you understand them'?
18 A. We have teaching conferences several times	8 A. I have publications that relate to
19 per week.	9 arachnoid cysts. Those may be relevant.
20 Q. Is that in the hospital situation?	20 Q. Okay. The Plaintiff's Exhibit Number 1 I
21 A. It's usually in the conference room type	11 would appreciate it if you would look through
12 setting.	2 your publications, and if there are any that you
<sup>12</sup> setting. <sup>13</sup> Q. How long have you been employed with the,	<sup>12</sup> your publications, and it there are any that you <sup>13</sup> feel have particular relevance, if you would mark
	4 those with a circle around the items and then
14 I'm going to call it, the Semmes Clinic?	1.5 indicate for the court reporter what the items
15 A. Two and a half years.	
	ge 26 Page 28
1 Q. Now your appointment with the University of	I you're circling are under.
2 Tennessee you supervise residents in the clinical	2 A. Okay. On page twenty item number one a
3 area	3 book chapter entitled, Arachnoid Cysts of the
4 A. That's correct.	4 Middle Cranial Fossa and Convexity and then item
5 Q as one of your portions of	5 number 13 a book chapter entitled Congenital
6 responsibilities and you sit on some committees	6 Intracranial Cysts and on page 12 item number 15
7 and you also teach at some conferences.	7 is a presentation at the American Society of
8 Do you have any other responsibilities?	8 Pediatric Neurosurgeons meeting entitled,
9 A. We have didactic sessions with medical	9 Behavior Abnormalities Associated with Middle
0 students.	0 Fossa Arachnoid Cysts. I believe that's all.
1 Q. Is the Semmes-Murphey Clinic owned or	1 Q. The last presentation that you mentioned,
2 operated by the University of Tennessee?	2 is that something that has been put down on
3 A. No.	3 paper, taped, videotaped, audio taped?
4 Q. It's an independent	4 A. No. There was an abstract in the program
5 A. That's correct.	5 book for that meeting, that's all. We're in the
6 Q institutional organization?	6 process of starting to pull the data together to
7 A. That's correct.	7 publish a paper on that topic.
8 Q. Are you a part owner of Semmes Clinic?	8 Q. Now I understand that you hold an
9 A. A shareholder I think is the way they term	<ul><li>9 administrative position at, and I'm not sure how</li></ul>
20 it.	0 to say the name here
11 Q. And how many other shareholders arc there	1 A. LeBonheur.
i2 in the clinic?	2 Q LeBonheur Children's Hospital, correct'?
<sup>12</sup> In the child? <sup>13</sup> A. I don't have the exact number but between	3 A. That's correct.
<sup>13</sup> A. I don't have the exact number but between <sup>14</sup> 20 and 30 I would think.	
	4 Q. You're Chief of the Division of Pediatric
5 Q. Are these all physicians practicing in the	5 Neurosurgery; is that correct?

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,	DEPO - DR. FREDERICK BOO
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1 A. That's correct.	I though, generally most of the patients that you
2 Q. How much time do you spend per week with	2 see have some neurosurgery related concern,
3 regard to administrative duties as chief?	3 either they're being referred for evaluation with
4 A. It varies from week to week but I may go a	4 you or possible surgery, those types of cases'?
5 week where I have relatively few responsibilities	5 A. Right. We'll see the occasional patient
6 or I may have a week where I spend several hours	6 referred to us because neurological symptoms that
7 working at it. It's not a certain percentage of	7 turn out to have a neurological rather than a
8 my time.	8 neurosurgical condition.
9 Q. Well, I'd like for you to describe to me	9 Q. But the concern was the possibility of
0 your professional responsibilities and how you	10 maybe needing neurosurgery or neurosurgical
I divide your professional time.	11 evaluation?
2 Tell me just on average how you split up	12 A. Right.
3 your time between clinical practice,	13 Q. Have you been involved in any research
4 administrative duties, academics, research or any	14 dealing with the subject matter of papilledema?
5 other professional activities that you do.	15 A. Not specifically.
6 A. Okay. Again, it's fairly fluid but the	16 Q. Research dealing specifically with
7 vast majority of my time is spent in clinical	17 increased intracranial pressure'?
8 practice and that involves teaching conferences,	18 A. Not specifically.
9 that involves making rounds with residents. It's	19 Q. How about fenestrations of arachnoid cysts,
0 working with fellows and residents in the	20 any particular research dealing with specifically
l operating room.	21 that area'?
2 Q. What percentage of your time would you say	22 A. The study that we've talked about with
3 is spent on the clinical practice such as you	23 behavioral abnormalities within children with
4 just described?	24 arachnoid cysts, all of those children were
5 A. Probably 80 percent.	25 treated surgically.
Page	Page
1 Q. Then how about administrative duties,	1 Q. Was what a study that was conducted here?
2 academics and research?	2 A. No, it was conducted at Arkansas Children's
3 A. A lot of that time is nights and weekends	3 Hospital.
4 so it's a little bit hard for me to quantify it	4 Q. And has that what was the question, the
5 but the administrative I would say maybe five	5 research question, that was being looked at in
6 percent and academics slash research time	6 that research study?
7 probably the difference, the remainder.	7 A. It's an evaluation of children with middle
8 Q. Is your current neurosurgery practice	8 fossa arachnoid cysts. Basically we had a
Fimited to pediatric cases?	9 clinical observation that most of the kids we
0 A. No.	10 were seeing with middle fossa arachnoid cysts had
Q. If you would break it down for me. How	11 behavioral problems, either attention deficit
2 many, what portion of your practice is	12 disorders or behavioral problem and yet the
3 pediatrics as opposed to adult?	13 literature pertaining to arachnoid cysts doesn't
A. Off the top of my head I would estimate	14 address behavioral problems in these children and
5 probably 60 to 70 percent is pediatrics and the	15 doesn't describe it very well.
5 remainder is adults.	16 So we performed detailed neuropsychological
7 Q. Do you see any pediatric patients that do	17 testing on some of these children both before and
8 not have neurosurgery related concerns, such as a	18 in some cases after surgery to define their
<ul> <li>neurologist or pediatric type case?</li> </ul>	19 behavioral problems, behavioral abnormalities to
	-
A. No, not typically. I see one of my	20 see whether they got better with surgery or not.
areas of special interest is epilepsy surgery and	21 Q. Is that research concluded?
2 I do see patients where I do medical management	22 A. Yes, but as I said we're just now starting
3 of their epilepsy as well.	23 to put together the result. 24 $\odot$ So data has been solved his that correct?
4 Is that what you're trying to get at?	24 Q. So data has been selected; is that correct?
5 Q. Um, aside from that special interest,	25 A. Correct.

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1 Q. Have you has any of it been analyzed to	1 problem.
2 the point where there is a report on that data?	2 Q. Doctor, you don't hold yourself out as an
3 A. Not a written report, no.	3 expert in neuroophthalmology, do you?
4 Q. Has any of it been reported in the	4 A. No.
5 scientific literature even the preliminary	5 Q. Or vocational counseling?
6 findings'?	6 A. No.
7 A. Just the abstract that I mentioned to you.	7 Q. Where do you have hospital privileges'?
8 Q. In that particular study how inany what	8 A. I have privileges at LeBonheur Children's
was the population, what size sample did you	
) when you were studying?	0 Hospital, Collierville Hospital, St. Francis
A. We had, I think, 24 children in the study.	1 Hospital, the Regional Medical Center called the
2 Q. Were all of those drawn from Arkansas	2 Med, the VA Hospital here in town.
3 Children's Hospital or were they coming from,	3 I have consulting privileges at St. Jude
4 reporting from, other centers and sites?	4 Children's Cancer Research Hospital and at
A. They were all tested there.	5 Arkansas Children's Hospital.
6 Q. Who was the chief investigator in that	6 Q. Have your hospital privileges ever been
7 study?	7 suspended or revoked?
A. I was the neurosurgeon and Carolyn	8 A. No.
Patterson is the neuropsychologist.	9 Q. And the places that you've named, other
Q. And there was just the one study site; is	0 than the consulting privileges that you've
that correct?	1 mentioned, are those admitting privileges for
2 A. That's correct.	2 those hospitals?
3 Q. At Arkansas Children's Hospital?	3 A. Yes.
4 A. That's correct.	4 Q. Doctor, have you ever given a formal
5 Q. After you had an opportunity to collect all	5 presentation on the subject matter of papilledema
	Page 34 Page
this data what were your findings? I mean, I	1 and increased intracranial pressure'?
2 understand you don't have a final report writte	
but must, I'm sure, have some impression.	3 conferences to medical students and things like
A. The gist of it was that 80 percent of those	4 that to residents.
5 kids had behavioral abnormalities, either	5 Q. Have any of those presentations or lectures
6 attention deficit disorder or some other	6 ever been reduced to written form, to videotape,
7 psychological problem and in most cases it did	
seem to get much better following treatment of	8 increased intracranial pressure?
the arachnoid cyst whether it was by shunt or	9 A. I don't think so.
) operation.	0 Q. Do you have any notes or outline or
The point is that these children need to	1 syllabus for presentation on that topic'?
have formal psychological evaluations if they	2 A. No.
have a history suggesting these sorts of	3 Q. Is there a textbook that you consider to be
problems.	4 the leading textbook in the field of
Q. Were you able to have any theories as to	5 neurosurgery, pediatric'neurosurgery?
why these children have behavioral problems e	
after they have treatment?	7 the leading, but go ahead.
<b>A.</b> Not yet.	8 A. Oh, there are two that come to mind.
Q. Is that part of the research study to come	9 There's a publication, a textbook on pediatric
) up with some theories as to why these particula	
findings are occurring even after the children	1 section in Congress this last year. It's in my
2 received treatment?	2 office. I don't have the name of the textbook
<b>A.</b> That was not the goal of the study. The	3 unless it's in here.
goal was to determine how often this happened	4 It's called Pediatric Neurosurgery, Surgery
5 whether treatment seemed to influence the	5 of the Developing Nervous System, Fourth Edition,

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I David McClellen editor, published by W.B.		1 records of Deddo (phonetic) & Associates?
2 Saunders in Philadelphia.		2 A. I have some of those.
3 There's another textbook that rivals that		3 Q. The pediatric ophthalmology records of
4 one entitled Principals of Practice of Pediatric		4 Dr. Amy Jeffrey, who I believe saw Kevin sometime
5 Neurosurgery, editors Albright, Pollack and		5 after his care at the Cleveland Clinic, do you
6 Adelson published by Thieme, T-H-I-E-M-E,		6 recall seeing those?
7 publishers and that copyright is 1999, I believe	e.	7 A. I don't know that I've seen those, Amy
8 Q. Are those texts that you recommend to the		8 Jeffrey'? If there in this compendium I have
9 neurosurgery residents that you work with?		9 them. If they're not, I don't have them.
10 A. I do.		10 Q. How about Dr. Allen Cohen?
11 Q. Are those texts in your personal library,		II A. Yes, I have his deposition certainly and I
12 also'?		12 have some of his records, yes.
13 A. Yes.		13 Q. There is a Dr. Allen Cohen and then there
14 Q. Do you refer to them from time to time?		14 is a Dr. Bruce Cohen. Dr. Bruce Cohen I believe
15 A. Yes.		15 was the Cleveland Clinic neurologist.
16 Q. Do you find the information in them to be		16 A. Correct, I have a letter from Allen Cohen
17 reliable'?		17 and I have Bruce Cohen's deposition.
18 A. Fairly reliable. Depends on the chapter.		18 Q. I believe there is also an evaluation by a
19 (Doctor's pager sounds.)		19 neurologist by the name of Dr. Howard Tucker, do
20 MS. TOSTI: If you need to answer		20 you recall seeing anything from him'?
21 that, go ahead.		21 A. No, I don't.
22 (Short pause.)		22 Q. The depositions that you have reviewed, I
23 Q. (BY MS. TOSTI) In regard to the reports		23 believe you have Dr. Mark Luciano's deposition
24 that you reviewed I want to go through those a	nd	24 before you, correct, you've read it?
25 put them on the record. I'm going to mention	liu	25 A. Yes.
25 put them on the record. This going to mention		
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1 some of them and if you can tell me if you rec	all	1 Q. Dr. Andreas Marcotty ophthalmologist, have
2 reviewing them. Please look at the materials		2 you received his
3 that you have in front of you if you have a		3 A. Marcotty's deposition I don't recall.
4 question.		4 Q. Okay. It's not in the group of depositions
5 You reviewed the records from Kids in the		5 that you have before you?
6 Sun which I believe were the pediatricians		6 A. No, it's not.
7 records, correct'?		7 Q. You don't have recollection of specifically
8 A. Correct.		8 reading his deposition or receiving it?
9 Q. Also the Signature Eye Association records		9 A. I don't.
10 with Dr. Marcotty's notations?		10 Q. Dr. Gregory Kostnorsky the
11 A. I have those.		11 neuroophthalmologist that saw Kevin, did you see
12 Q. There was a Southwest General Hospital		12 his deposition, have you received it?
13 emergency room visit 1 believe November 20 o	of '97	13 A. I don't believe so.
14 just prior to the		14 Q. And Dr. Bruce Cohen's you have Dr. Bruce
15 A. I have that.		15 Cohen's?
16 Q Cleveland Clinic admission. You've see	n	16 <b>A</b> . I do.
17 the Cleveland Clinic outpatient records, correct		17 Q. Have you read Dr. Bruce Cohen's deposition'?
18 A. Correct.	•	18 A. Yes.
19 Q. And the two Cleveland Clinic Hospital		19 Q. Have you read the depositions of
20 admissions, the first one on December 17 of '9	7	20 plaintiff's expert Dr. Peter Savino and
21 for the cyst fenestration as well as the April	,	21 Dr. Samuel Neff!
		22 A. I read Dr. Neff's. I don't have Dr. Savino
22 14, 1998 admission for the shunt procedure,		
23 correct?		23 but I have a letter that says I've received it
24 A. Yes.		24 but I don't know if I've read that or not.
25 Q. How about the psychological counseling		25 Q. In regard to Kevin's parents the

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I depositions of Ann Kiss his mother and Raymond	1 vocational counseling experts in this case'?	
2 Kiss, his father, have you read those	2 A. No.	
3 depositions'?	3 Q. At anytime did you request that defense	
4 A. I believe I have but I don't have them with	4 counsel send you any additional materials other	
5 me today.	5 than the ones that you originally received?	
6 Q. Now, Doctor, you also had an opportunity	6 A. I don't believe so.	
7 apparently to review some imaging films that you	7 Q. Now you mentioned that you did take a look	
8 have on the desk in front of you. If you could	8 at a neuroophthalmology chapter or text in	
9 just tell us what the film was and the date of	9 formulating your opinions.	
10 the film that you reviewed.	Did you do any other research or refer to	
11 A. I have a CT scan of the head dated February	11 any other medical journals or textbooks in	
12 10, 1998, Kevin kiss. I have the CT scan of the	12 formulating your opinions in this case, anything	
13 head dated 22 of January 1998. I have an MRI of	13 else that you did?	
14 the head dated 8 July 1990. I think that's it.	14 A. Not specifically to this case but I have	
15 Hold on a second. I have some more.	15 pretty much an up-to-date file of all the medical	
16 Q. Are those multiple images from the same	16 literature on arachnoid cysts in children because	
17 date'?	17 of the book chapters in the research project I've	
18 <b>A.</b> These are, yes. I'm not sure that is the	8 been involved with. So I think I reviewed	
19 correct date. Maybe I told you wrong. I have 7	19 literature but it wasn't specifically pulled for	
20 of April 1998.	20 this case.	
21 Q. I haven't heard you mention I believe	21 Q. In preparation for this deposition did you	
22 there may have been an MRI on November 21 of 97	2 do any research or review of any of the medical	
23 and a CT scan on April 17 and another one on	23 literature specifically for this deposition?	
24 June 4. I haven't heard those dates as yet.	24 A. No.	
25 A. Here's the 21st of November 1997 MRI.	25 Q. As you sit here today are there any	
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1 Q. Okay. Anything from April 17 a CT of the	1 publications that you believe have particular	0 11
2 head or June 4?	2 significance to the issues in this case?	
3 A. These are all November 21, 1997. This is	3 What I'm asking for is there a particular	
4 January 22, 1998 CT and this is 10 February '98	4 publication or journal article or set of	
5 CT. That's all I've got.	5 standards that you feel have particular	
6 Q. Okay. Now you mentioned that you believe	6 implications here?	
7 that you did have a report of Dr. Neff but you	7 A. No,	
8 don't have it in your file and I don't recall	8 Q. Did you consult with any physicians at	
9 whether or not you said you had a report of	9 anytime regarding this case?	
10 Dr. Savino?	0 A. No.	
1 A. I believe I do but not in my file.	1 Q. Have you ever spoken to Dr. Luciano?	
12 Q. Have you reviewed the report of Dr. Hedges,	2 A. Yes.	
13 the other defense expert in this case, have you	3 Q. When have you spoken to him?	
4 ever reviewed that report?	4 A. Um, I interviewed for a job at Cleveland	
15 A. No, I haven't.	5 Clinic before I took this job and we met as part	
MS. CARULAS: I sent that to you,	6 of that interview process. So that was probably	
17 too.	7 three years ago or so.	
18 A. He's what kind of doctor is he?	8 Q. Did Dr. Luciano conduct part of your	
19 Q. (BY MS. TOSTI) Neuroophthalmology. So you	9 interview, all of your interview?	
20 have had that sent to you?	<sup>10</sup> A. We met for 30 minutes or something like	
21 A. Um-hmm, yes.	11 that out of a day.	
2 Q. Did you have it before you rendered your	2 Q. But was it his responsibility to speak with	
2.3 report in this case?	2 Q. But was it ins responsionity to speak with 23 you as part of the interview process	
24 A. I don't recall.	24 A. Yes.	
25 Q. Have you reviewed the reports of the	25 Q for the Cleveland Clinic position'?	
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I A. That's correct.	I case.	
2 Q. What was the reason why you did not obtain	a 2 Q. Now as	ide from the face-to-face meeting and
3 a position with Cleveland Clinic and ended up	3 coming acr	oss him at on organizational meeting
4 here?	4 and the e-m	nail contact have you had any other
5 MS. CARULAS: Just note my	5 contact with	h him'?
6 objection.	6 A. Not to r	ny knowledge.
7 A. I thought this was a better job for me.	7 Q. How ab	out with Dr. Bruce Cohen?
8 Q. (BY MS. TOSTI) Let me rephrase the	8 A. I met hi	m once as part of the interview
9 question. That was a bad question. Did	9 process that	t day at Cleveland Clinic. That's the
10 Cleveland Clinic offer you a position'?		o my knowledge that he and I have ever
I1 <b>A.</b> No.	1 spoken.	
12 Q. They did not?	2 Q. Did you	have a face-to-face interview with
13 <b>A.</b> No.	3 Dr. Cohen?	
14 Q. Okay. And aside from the meeting that you	4 A. I did.	
15 had with Dr. Luciano three years ago in regard t	to 5 Q. How los	ng did that last'?
16 the possibility of a position with Cleveland	6 A. I believe	e it was 30 minutes.
17 Clinic have you ever spoken with him at any oth	her 7 Q. Aside fi	rom that encounter with Dr. Cohen
18 time?	8 have you co	ome in contact with him any other way?
19 A. Yes.	9 <b>A.</b> No.	
20 Q. When else?	:0 Q. Dr. Kos	morsky, he's a neuroophthalmologist
<b>21</b> A. We crossed paths at a professional society	1 at Clevelan	d Clinic, have you had any contact
22 meeting.	2 with him?	
23 Q. When was the last time that you met with	:3 A. No.	
24 Dr. Luciano'?	4 Q. Dr. Mar	cotty the ophthalmologist that saw
25 A. I don't think I've ever met with him other	:5 Kevin, have	e you had any contact with him?
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1 than the interview at Cleveland Clinic but as I	1 A. No.	
2 said, we may pass paths at meetings and say, hi	, <sup>1</sup> 2 Q. How ab	out Dr. Neff, have you ever come in
3 to one another.	3 contact with	
4 I can't recall specifically when the last	4 A. Not that	I know of.
5 time would have been. We had our annual mee	ting 5 0. And we	ran through some of the other
6 in December of this year in Manhattan. Both of		that had contact with Kevin after all
7 us were at the same meetings but I don't recall		ese occurrences, Dr. Amy Jeffrey and
8 any specific conversations with him.		Cohen, Dr. Howard Tucker.
9 Q. How many times do you think that you have		ou ever met or come in contact with
10 come across Dr. Luciano?	0 any of those	
I1 <b>A.</b> What do you mean come across?	1 A. Allen C	
12 Q. Well, you've had contact with him?	2 Q. How die	d you come in contact with Dr. Allen
13 A. Well, I'm in charge of the membership for	3 Cohen?	-
14 the American Society of Pediatric Neurosurgeon		I are in the same professional
15 so we've had some e-mail correspondence regard		-
16 his application for membership within the last	-	bu ever had any conversation with
17 several months that would have probably been		where you sat down and talked with him'?
18 three or four e-mails.		e conversations quite a bit but not
19 Q. And the e-mail correspondence has that been		-
20 strictly related to the organization Association'?		the last time you talked with
21 A. Yes.	1 Dr. Cohen?	
22 Q. Have you had any conversation with him,	2 A. Probably	y at that December meeting.
23 e-mail contact or any other contact with him in		of your contact would have been
24 regard to this case?		rofessional organization'?
25 A. No, he and I have never discussed this	5 A. Yes.	

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1 Q. Have you ever had any contact with	1 Q. Aside fr	om the interviewing that you did
2 Dr. Peter Savino	2 and those co	onferences have you been to the
3 A. No.	3 Cleveland f	acility for any other reason'?
4 Q who is acting as the plaintiff's expert	4 A. Not that	I recall.
5 in this case?	5 Q. Now I b	elieve on your CV it indicates that
6 A. No.	6 you previou	sly were with the Neurological Surgery
7 Q. I can't recall if 1 mentioned this,	7 Associates	in Little Rock, Arkansas.
8 Dr. Thomas Hedges'?	8 Why die	d you leave that position'?
9 A. Don't know him.	9 A. To take	the job here.
0 Q. Aside from the interview process that you		at was the incentive to come here?
1 went through was that a one day interview pr		CARULAS: Note my objection but
2 or was it longer than one day at the Cleveland		
3 Clinic'?		at all relevant to this case but I
4 A. It was one day.		because I had joined a six man private
5 Q. Who else did you interview with when yo		up but was the only person in the
6 interviewed'? You mentioned Dr. Luciano an		lid pediatrics so I had no call
7 Dr. Cohen. Who else did you see?		cause all my other partners did
8 A. Dr. Yung Lee. Dr. Mark Mayberg the	E E	I didn't have any time for my
9 chairman there, I'll think of his name in a fe		
0 minutes, there is another one that I know of f		bu generated any personal notes on
	-	a generated any personal notes on
1 sure. Elaine Wiley the neurologist that runs t	12 A. No.	
2 pediatric epilepsy unit.		n alvar I'd like wan ta dagarika
3 I'm sure there were others. It was a full	-	u okay. I'd like you to describe
4 day of interviews. Thomas Babb is a Ph.D w		t your just an overview of your
5 does research in epilepsy there.		al practice for like in a week's time
	Page 50	Page 5
Q. Did they ever tell you why the position		ormally do in the course of a week, how
2 wasn't offered to you there?		your time, what it is that
3 A. Well, I never pursued the position there.	-	bes during the week.
4 Q. Wasn't that the objective of the interview		pically I have a full day of clinic
5 process? Weren't you going there specifically		s and a half day of clinic on Thursday
6 for a position; weren't they interviewing for a	6 afternoons.	The rest of my time is generally
7 position'?	7 spent on pat	tient care.
8 A. Well, an interview works two ways. You	8 And on	Monday nights we have a teaching
9 decide if you like the place and they decide if	9 conference	which is a clinical conference and on
they like you.		mornings we alternate between a brain
1 Q. Do you know who eventually got the positi		erence and a journal club.
2 that you were interviewing for?		day afternoons we have a pediatric
3 A. They've never filled that position.		conference at St. Jude that's a
4 Q. (BY MS. TOSTI) Have you ever had any		linary conference. Friday mornings we
5 training at the Cleveland Clinic?		and rounds and morbidity and
5 A. No.	!6 mortality co	-
	-	
7 Q. Have you ever attended professional	_	do spine surgery'?
8 conferences there?	18 A. Yes.	mantage of your mastice in this
9 A. Yes.	-	ercentage of your practice is spine
Q. When is the last time you've done that?	20 surgery?	
A. It's been a number of years ago. They have		20 percent, something like that.
2 regular conferences on epilepsy and I've been		at percentage would you say deals
3 two of those that I can recall. Both of them	-	issues involving the brain'?
4 were probably in the early 90's. I don't think	24 A. The maj	ority of it.

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I your expert report that I've marked as	I <b>A.</b> No.
2 plaintiff's Exhibit 2. If you would just	2 Q. And do you still maintain all the opinions
3 identify that for our court reporter.	3 that you've expressed in your report?
4 (Whereupon, the above-mentioned	4 A. I'll stand corrected on the left eye, but
5 document was marked as Exhibit 2.)	5 other than that
6 (Document passed to the witness.)	6 Q. With that correction. Do you intend to do
7 A. That is a letter I had written offering a	7 any additional work on this case or review any
8 formal opinion on this case.	8 additional material in this case before the time
9 Q. (BY MS. TOSTI) That letter is dated July	9 of trial'?
0 26 of 2001; is that correct'?	10 A. Not unless I find a need to do so.
1 A. That's correct.	I Q. Have you been asked to do any additional
2 Q. Did you provide defense counsel with any	12 work?
3 drafts of your report before rendering this July	13 A. No, ma'am.
4 26, 2001, report?	14 Q. Tell me what your assignment was that you
5 <b>A.</b> No.	15 were given relative to this case. When it came
6 Q. And this is the only report that you	16 to you what were you asked to do?
7 provided to defense counsel?	17 A. I was asked to look at the care offered
8 A. Yes.	8 Kevin Kiss by Mark Luciano and determine in my
9 Q. Aside from your report have you provided	9 own mind whether that care was appropriate or
:0 defense counsel with any written memoranda on	20 not.
11 this case?	21 Q. Was Dr. Luciano's care the only physician
2 A. No.	2 that you were asked to look at and make that
3 Q. Have you ever written out answers to	23 determination'?
4 questions for defense counsel in this case?	<sup>24</sup> A. Well, I don't know that I was specifically
5 A. No.	25 directed to only examine his care but being a
	· ·
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1 Q. Did you speak with anyone from Ms. Carulas	
2 office or Ms. Carulas to discuss the contents of	2 neurosurgical care, that was my primary
3 your report before you finalized it?	3 objective.
4 A. Yes, I believe I did.	4 Q. Doctor, tell me what an arachnoid cyst is
5 Q. What did that discussion entail?	5 just in general terms.
6 A. I don't recall specifics of it. She had	6 A. It's a cyst that generally contains spinal
7 called and asked if I would be willing to prepare	7 fluid and that spinal fluid is contained by a
8 a written report. I think we just talked in	8 thin membrane that is arachnoid tissue which is
9 general terms what that report might contain.	9 one of the left meninges.
0 Q. Did she or anyone else in her office	0 Q. And what is the incidence of arachnoid
1 request that you make any changes to your	1 cysts in the pediatric population?
2 proposed report?	2 A. I don't know that number.
3 A. No I'm sorry, yes. On the second	3 Q. Are there signs and symptoms associated
4 paragraph it says, severe visual loss in his	4 with arachnoid cysts when they are symptomatic'?
5 right eye. I was informed that that was the left	5 A. When they are symptomatic there are usually
6 eye.	6 signs and symptoms. They may be seen
7 Q. And does your report of July 26, 2001,	7 incidentally.
8 memorialize opinions that you currently intend to	
9 express as an expert in the trial of this matter?	9 had, I think it was a left middle cranial fossa
0 A. It contains all the opinions I've been	<sup>20</sup> arachnoid cyst, what would be the type of signs
1 asked to express. If I'm asked to express other	and symptoms that you would see with the type of
2 opinions, I'd be happy to do so.	2 cyst that Kevin Kiss had?
3 Q. Well, at this point in time are there any	<sup>12</sup> Cyst that Kevin Kiss had? <sup>13</sup> A. Most common, headache.
4 opinions that you intend to express at trial that	24 Q. Anything else'?
	is A. Well, we've discussed behavioral problems
5 aren't summarized in this July 26, 2001 report'?	Di A. Well, we ve discussed benavioral problems

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I that we've seen in these children, symptoms of	1 Q. Was that true in 1997 at the time Kevin
2 raised intracranial pressure may be associated	2 first started with his problems'?
3 with the cysts, seizures can be associated with	3 A. Yes.
4 them, visual disturbances associated with the	4 Q. And how is an arachnoid cyst treated? I
5 cysts.	5 understand there are different options.
6 If they're large, enough they can cause	6 A. That's correct.
7 hemiparesis. Particular to the left side	7 Q. What would basically be the different
8 occasionally it will interfere with speech	8 options?
9 development.	9 A. Well, are you asking for my opinion or for
10 Q. What would be the signs of increased	10 a summary'? If the cysts are asymptomatic or if
11 intracranial pressure that would be a sign if	11 they only cause minor symptoms, they may be
	12 treated with observation. Generally an MRI to
12 that was present'?	
13 <b>A.</b> Typically headaches, possibly nausea and	13 make sure that they're not enlarging.
14 vomiting more common in the morning, sometimes	14 If arachnoid cysts cause only headaches,
15 double vision or blurred vision.	15 then an option is to treat the headaches with
16 Q. And would those be the visual disturbances	16 headache medicines and if they cause seizures, an
17 that you were talking about, also, part of the	17 option is to treat the seizures with medication.
18 visual disturbances that you were talking about?	18 If they cause behavioral problems, an option is
19 A. Yes, ma'am.	19 to use behavioral modifying medications to
20 Q. What other visual disturbances have you	20 control outbursts.
21 seen with those types of cysts'!	21 Regarding surgery for increased pressure
22 A. Well, those would be far in the way the	22 there are two main options that have been used.
23 most common. Occasionally you have a visual loss	23 One is surgery to fenestrate either by open
24 if it progresses where you may have visual	24 craniotomy or by endoscopic, minimal evasive
25 hallucinations and they cause seizures, temporal	25 approaches. The other is to divert the fluid
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1 lobe seizures.	I through some sort of a shunt.
2 Q. Are there complications associated with	2 Q. And you appeared to have a preference as to
3 arachnoid cysts'? Now some of the signs and	3 how you normally would proceed. What is your
4 symptoms I understand may also be determined a	4 opinion as to how those should be treated?
5 complication, but are there any additional	5 A. Well, when I first got into practice I used
6 complications that can occur that you haven't	6 the shunt on them. I found in a hurry that if
7 already mentioned?	7 you shunt them, you may alleviate the symptoms
8 A. Certainly.	8 but patients are usually deemed to have their
9 Q. What would be those complications	9 shunt the rest of their lives, and anytime they
10 associated with it?	10 have a headache or if a fever or do poorly in
II A. Those cysts have been reported to rupture	11 school, the family is in the emergency room
	12 wondering if the shunt has quit working and
12 and cause fluid collection in the brain, such as	13 needed to be revised.
13 hygromas that can cause increased intracranial	
14 pressure.	14 Fairly often shunts will malfunction and
15 They have been reported to rupture and	15 have to be revised or perhaps get infected and
16 cause acute subdural hematomas or chronic	16 have to be dealt with, whereas in most instances
17 subdural hematomas. They have been reported to	17 if you fenestrate these middle fossa arachnoid
18 cause endocrine abnormalities when they involve	18 cysts, you can cure the patient. So in my
19 the portion of the brain that controls hormones.	19 opinion curing them is much better than treating
20 They have been associated with visual loss.	20 their cysts with a shunt.
21 Q. How is an arachnoid cyst diagnosed?	21 Q. So as a primary procedure do you treat them
22 A. Nowadays mainly by MRI.	22 with the medications that you've outlined here,
23 Q. Is that the best test for arachnoid cysts,	23 or would you move for fenestration of the patient
24 the best diagnostic study'?	24 if they're symptomatic?
3 A. In my opinion.	25 A. It depends on the patient. I would say

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I with the majority of patients who present with	1 fenestrations'?
2 headaches I will proceed with medical management	2 A. Not necessarily. I don't operate on every
3 of the headaches first as long as their vision is	3 cyst I see.
4 stable. If their symptoms progress or if they	4 Q. Back to my original question, how inany
5 fail the medications, then we'll proceed with	5 arachnoid cyst fenestrations would you do in a
6 surgery.	6 year's time usually?
7 Q. You mentioned if they were asymptomatic or	7 A. One or two.
8 had minor symptoms, one option would be to follow	8 Q. Now you do other cyst fenestrations,
9 with observation and follow up with MRI.	Y correct?
0 How often you do an MRI in a situation like	10 <b>A.</b> I do.
I that?	1 Q. Arc those others brain fenestration?
2 A. Typically 1'11 do one in six months and if	12 A. Brain and spinal cord, yes.
3 it's stable I do one in a year and if it's	13 Q. How many of all the 'types of cysts there
4 stable, then I won't do another one unless their	4 are, how inany cyst fenestrations do you do in a
5 symptoms change.	5 year or month's time'?

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- 5 symptoms change. 6 Q. You mentioned that if a child had headaches 7 and their vision was stable, how do you determine 8 if their vision is stable? 9 A. I refer them to an ophthalmologist.
- 0 Q. So if they come in and have diagnostic 1 evidence on MRI of an arachnoid cyst, they're
- 2 complaining of headaches, would that be an 3 instance where you would send them to an
- 4 ophthalmologist for general visual field tests?
- 5 A. Generally, yes. Not just visual.
- I Q. For a vision examination that would include
- 2 formal field testing?
- 3 A. That's correct.
- 4 Q. How often in your practice do you see 5 pediatric cases with arachnoid cysts?
- 6 A. Oh, as a guess three times per year, two or 7 three times per year, something like that.
- 8 Q. How many have you seen in pediatric cases 9 with arachnoid cysts the size that Kevin had?
- 0 A. I've seen several that size. I couldn't 1 tell you an exact number. His is large.
- 2 O. Now I take it you perform anachnoid cyst
- 3 fenestration procedures in your practice, 4 correct'?
- 5 A. I do.
- 6 Q. How often do you do fenestration cyst 7 procedures'?
- 8 A. You mean cysts other than arachnoid cysts'? 9 Q. Arachnoid cyst fenestration, how often do 0 you do that procedure?
- 1 A. That would be my first choice for any 2 patient that has a cyst that was easily 3 accessible.
- 4 Q. So the two or three cases that you see a 5 year would those likely also be having cyst

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#### 1 work. So I'm not doing near the number of shunts 2 I was then. Probably somewhere between five and

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- 3 ten a month, something like that.
- 4 Q. Now is the diagnosis of arachnoid cyst is 5 usually made prior to the time that you first see
- 6 the child; does the child usually come to you with that diagnosis'? 7

16 A. I suspect it varies a lot from one year to

8 Q. And do you currently do shunt procedures in

21 Q. How inany have you done in the last year'? 2 A. I don't know the numbers. It's one of the

24 Q. You do those not only for cysts but also

2 Q. Can you give me a ball park in a month's

3 time how inany shunts you do or a week's time if

5 A. I've not done many since I moved to Memphis 6 as I have done in Arkansas and there our service

7 would typically perform 25 or 30 shunts a month.

Here I tend to do a lot more intracranial

8 Of those typically half of those would be mine.

0 craniotomy type work, brain tumors, epilepsy

17 the next, but probably half dozen or so.

23 most common operations I do.

25 for hydrocephalus situations?

9 pediatric cases?

20 A. Absolutely.

1 A. Correct.

9

4 that's easier for you?

- 8 A. Most commonly they come with MRI's in hand 9 .nowadays.
- 20 Q. And could you explain just briefly what
- 11 fenestration is. I'm speaking of an arachnoid 2 cyst.
  - 13 A. It involves cutting windows in the cyst
- 4 wall, removing as much of the cyst wall as you
- 5 can. The arachnoid cyst walls are often stuck to

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vital structures like arteries, cranial nerves		1 A. That's correct.	
and so forth, so you typically can't remove the		2 Q. Is there anything that would cause you to	
cyst wall, but you can communicate the fluid		3 move to shunting rather than fenestration'? Are	
spaces with the adjacent CSF space.		4 there certain symptoms or certain things that	
Q. Now these cysts, are they usually fluid		5 would occur that may cause you to say in this	
5 filled, cerebral spinal fluid filled?		6 case a shunt would be more appropriate?	
7 A. That's correct.		7 A. Yes. First of all, if the patient is too	
3 Q. When the cyst is fenestrated where does the		8 ill to tolerate a craniotomy, the shunt is not as	
excess cerebral spinal fluid go'? Is it absorbed		9 big an operation. Secondly if the cyst is in a	
by the body system if you have a successful		0 location where fenestration is not likely to work	
fenestration'?		1 or where it may be risky.	
2 A. Correct.		2 For example, supercellular arachnoid cysts	
3 Q. #at is a shunt procedure in regard to a		3 the cysts are usually involving both the optic	
4 cyst?		4 nerves and pituitary glands and in those cases	
A. That involves placing a tube inside the		5 often shunting is the better operation.	
5 membranes into the CSF space contained by the		6 Q. Does the size of the arachnoid cyst make a	
y cyst membrane and then diverting the fluid to		7 difference as to whether fenestration or shunting	
some other body cavity, usually the abdomen.		8 would be most appropriate?	
Q. Now generally speaking does a child have to		9 A. No. The presence of hydrocephalus	
be symptomatic before symptomatic with		:0 preoperatively does. Sometimes children have	
arachnoid cyst before there is a recommendation		1 hydrocephalus when they present with arachnoid	
2 for surgery for fenestration of the cyst?		12 cysts.	
3 A. That's a matter of opinion.		23 Q. So when you are in a position to say, I'm	
Q. Well, in your opinion does a child have to		:4 going to recommend fenestration for a child, what	
5 be symptomatic before you would recommend		:5 signs or symptoms would be the indicators that a	
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fenestration of the arachnoid cyst?		1 surgical option would be appropriate for an	
MS. CARULAS: Just note my		2 arachnoid cyst'?	
<sup>3</sup> objection, but go ahead.		3 MS. CARULAS: Note my objection, but	
A. In general they are. Occasionally if we		4 go ahead.	
5 see an MRI scan where it looks like there's a lot		5 Q. (BY MS. TOSTI) We've mentioned all these	
5 of deformation or shift in the brain in a		6 other options, but what indicators would there be	
child sometimes in young children it's hard to		7 for saying that this particular arachnoid cyst	
tell whether they're symptomatic or not. But if		8 should be treated with the surgical option?	
it looks like there's a lot of mass effect, then		9 One you mentioned was mass effect that	
sometimes we make a recommendation to treat the	m	0 might cause you to go to a surgical option.	
on that basis.		1 A. Yes.	
Q. (BY MS. TOSTI) What's a Third Nerve Palsy?		2 MS. CARULAS: I'm just objecting	
A. That means the ocular motor nerve doesn't		3 because I think it's beyond the scope of this	
work properly.		4 case in that your own expert is not criticizing	
Q. #at would be the signs and symptoms of a		5 this and we're under a constraint of time and I	
5 Third Nerve Palsy?		6 just don't see the relevance to this case, but go	
A. It can be petosis, P-E-T-0-S-I-S, which is		7 ahead.	
a lid lag on one side or it can be an asymmetry		8 A. Well, we've already talked about failure of	
in the pupils.		9 the medicine to alleviate symptoms as a potential	
Q. So, Doctor, just so I have this down, when		10 for surgery, progressive symptoms in a child. In	
surgical intervention is indicated for arachnoid		1 other words, if they seem to be deteriorating,	
2 cysts you would generally recommend fenestration		2 that could be an indication for surgery.	
3 over shunting?		<sup>13</sup> Q. (BY MS. TOSTI) If the child has a large	
<b>4</b> A. I do.		4 arachnoid cyst, is there an increased risk for	
5 Q. Just in general terms'?		25 hydrocephalus if you don't do a shunt, if you	
		is injuiceophilius in jou don't do u shunt, in jou	

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1 just fenestrate it?	1 a period of	time.	
2 A. Not to my knowledge. I don't know that	2 Q. How lo	ng does it have to be present before	
3 that issue I should say I haven't seen that	3 you term in	t chronic'?	
4 specific question answered in a study.	4 A. I don't	know the specific definition for	
5 Q. In what percentage of the cases is a single	5 that.		
6 surgical procedure, such as a fenestration, or		, in the course of your practice do	
7 let's say a fenestration, successful in		t the interior of your patient's eyes	
8 controlling the problems associated with	8 with an op	hthalmoscope when it's indicated to	
9 arachnoid cysts'?	9 look for pa	pilledema, is that something that you	
10 A. For me probably somewhere in the vicinity	0 do?		
11 of 70 percent, 75 percent. Of the children we	1 A. Absolu		
12 treated with fenestration if not required a	2 Q. And pr	oviding patients are cooperative, how	
13 shunt, had a good resolution of their symptoms.	3 long does i	it take you to check patients eyes	
14 Q. Do you in your practice if you do a	4 specifically	y to determine if papilledema is	
15 fenestration, do you do a second fenestration'?	5 present or	not present?	
16 A. It depends on the case.	_	ls on the patient. If they're	
17 Q. Have you done that in the past?	.7 cooperative	e, it usually takes a couple of	
18 A. A second fenestration?	8 minutes.		
19 Q. Yes.	9 Q. Now de	o all neurosurgeons in their training	
20 A. Yes.	20 learn how	to do a visual inspection of the	
21 Q. Once a cyst fenestration is done how do you	21 interior or	the eye with an ophthalmoscope to	
22 determine if it's successful or not; what are the	2 look for pa	apilledema?	
23 indicators; what do you look for?	23 A. Yes.		
24 A. Sometimes that can be difficult especially	24 Q. During	the course of their training do they	
25 in a child with behavioral problems, but you'd	25 learn that?		
F	age 70	Р	Page 72
1 like to see a resolution of their symptoms. On	1 A. Yes.		-
2 the other hand sometimes it can take a period of	2 Q. Would	you agree that anytime a patient has	
3 time before their symptoms improve clinically.		ery one of the complications that can	
4 Q. Would you if the fenestration was not	4 occur is in	creased intracranial pressure'?	
5 successful in relieving increased intracranial	5 A. Depend	ling on the brain surgery it's a	
6 pressure, what signs and symptoms would you see	e? 6 possible co	omplication, yes.	
7 A. You may see signs and symptoms of increased		you agree that a fundoscopic exam to	
8 intracranial pressure which includes headaches		papilledema should be part of every	
9 nausea, vomiting, papilledema, those clinical	9 routine fol	low-up exam after brain surgery for an	
10 indicators of increased intracranial pressure	10 arachnoid	cyst fenestration?	
11 that would be commonly recognized.	li MS	CARULAS: Objection.	
12 Q. What is papilledema?		routine follow-up exam? No, I don't	
13 A. Papilledema from a clinical perspective is	13 think that's	s necessary.	
14 elevation of the optic nerve head and blurring of		TOSTI) Would you agree that during	
15 the optic disk margins. Is that your question?		period, the initial first few months,	
16 Q. Does it involve swelling of the optic		achnoid cyst fenestration a	
17 nerve?		ic exam should be part of every	
18 A. It can, yes.	18 follow-up		
19 Q. How do you diagnose papilledema?	-	CARULAS: Note my objection.	
20 A. Usually by endoscopi examination.		personally I would do that.	
21 Q. That's utilizing an ophthalmoscope and		TOSTI) What about in general as	
22 looking at the interior of the eye, correct?		rd of care, is that what a reasonably	
23 A. That's correct.		eurosurgeon would do in those	
24 Q. What is chronic papilledema?	-	aces after an arachnoid cyst	
25 A. It's papilledema that has been present for		n in every follow-up visit for the	
25 m. it's pupillouonia that has been present for		Page 69 - P	

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1 first few months after the surgery, check the		1 headaches, then you would not jump into a second
2 fundus of the eye to see if there is papilledema'?		2 surgery.
3 MS. CARULAS: Note my objection, go		3 Q. Well, I wasn't asking if you should move to
4 ahead.		4 a second surgery, but if you had a patient that
5 A. I think there is no standard of care but a		5 had surgery and had their symptoms relieved,
6 prudent surgeon would.		6 headaches gone away, vision had gotten better and
7 Q. (BY MS. TOSTI) Doctor, isn't it true that		7 then after several weeks headaches come back,
8 one of the things that can happen after a cyst		8 vision problems start over, would that be a
9 fenestration that the fenestration or drainage		9 scenario that would raise a level of concern that
0 hole can close up and the cyst can again cause		10 there may be increased intracranial pressure
1 problems for a patient'?		11 occurring'?
2 A. Yes.		12 MS. CARULAS: Note my objection.
3 Q. And isn't it also true that even when a		13 A. Sure.
4 cyst is successfully fenestrated in other		14 Q. (BY MS. TOSTI) Isn't it true that one of
5 words, there is a hole put into the membrane, it		15 the earliest signs of increased intracranial
6 doesn't always relieve the increased intracranial		16 pressure is swelling of the optic disk'?
7 cranial pressure and sometimes a shunt may be		17 A. It may be signs, not symptoms.
8 necessary'?		18 Q. So if you have a new finding of papilledema
9 A. That's true.		19 in a patient who has just recently undergone an
0 Q. And have you had patients where there's		20 arachnoid cyst fenestration, would that raise the
1 been a fenestration done and it did not relieve	1.1.4	21 level of concern for increased intracranial
2 the symptoms and you've gone on to recommend	a that	22 pressure? 13 A. Yes.
3 a shunt be done?		24 Q. Doctor, once your suspicious that the
4 A. Yes.		25 patient has increased intracranial pressure,
5 Q. Would you agree that it's a neurosurgeon's	<b>D</b>	
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<ol> <li>duty to watch the patient carefully for signs and</li> <li>symptoms that may indicate the fenestration did</li> </ol>		<ol> <li>we're speaking of the patient that has had an</li> <li>arachnoid cyst fenestration, would you agree that</li> </ol>
3 not resolve the problems? Meaning the increase	d	3 it's important to monitor the patient to
4 intracranial pressure caused by the arachnoid	u	4 determine if the condition is getting worse,
5 cyst.		5 getting better or staying the same?
5 Cyst. 5 A. Yes.		6 A. The patient should be monitored whether
7 Q. Doctor, in a patient that has a cyst		7 it's by a neurosurgeon or ophthalmologist. It's
<ul> <li>Figure 2 fenestration and then has symptoms of relief but</li> </ul>		8 very in my practice I generally ask a
7 then goes on to develop new signs and symptom		9 pediatric neuroophthalmologist to follow that
) headaches and blurred vision, would that raise a		10 aspect of the child's care for me and let me know
I concern that the fenestration may not have work		1 if they think the child is getting worse.
2 and that the intracranial pressure may be		2 Q. If the neuroophthalmologist comes back to
3 increasing again?		3 you and says, gee, this papilledema did not
4 A. Yes.		4 resolve itself, and, in fact, it looks like it's
5 Q. Is headache one of the early signs of		5 gotten somewhat worse, what do you do in that
5 increased intracranial pressure?		6 case?
7 A. If you don't mind, let me back up to your		7 MS. CARULAS: Note my objection. Go
3 previous question for clarification. In patients		8 ahead.
> who have had chronically increased intracranial		9 Q. (BY MS. TOSTI) It's your impression that
) pressure, i.e., chronic headaches related to		<sup>10</sup> this child from your evaluation has increased
I arachnoid cysts, sometimes it can take a number		!1 intracranial pressure and the
2 of weeks, sometimes two or three months for the	eir	2 neuroophthalmologist has warned you that the
3 symptoms to settle down.		23 papilledema has not improved, in fact may be
4 Sojust for clarification if they came back		24 advancing, is that
5 in a month and said they were still having		15 A. That's two different things. So for

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1 clarification if the papilledema is not	1 and vomiting in an ill appearing child, we
2 improving, that is if it's stable and if I've	2 obviously are more concerned.
3 satisfied myself that the child's intracranial	3 The point being that papilledema in and of
4 pressure is not dangerously high, I may just	4 itself is not normal, it's something we like to
5 follow it.	5 keep an eye on, but not all papilledema is the
6 I may not do anything accept make sure that	6 same.
7 the ophthalmologist and I follow it together. On	7 Some papilledema is mild, visual acuity is
8 the other hand, if it's progressive, then	8 stable, it's not progressive and we may just
Y generally we'll recommend treatment.	Y follow it and hope that it goes away. Other
10 Q. And one of the things that the	0 times it may be rapidly progressive and we may be
11 neuroophthalmologist does is do a complete visual	1 forced to do something about it in a hurry.
12 examination including the visual fields that we	2 Q. (BY MS. TOSTI) But that would mean that
13 talked about'?	3 you would want to keep track and be watching to
14 A. Correct.	4 determine if it is stable or if it is changing
15 Q. Including the inspection of the fundus of	5 and becoming worse, correct?
16 the eye and including the visual acuity?	6 A. Hopefully, or in many instances we have to
17 A. That's correct.	7 rely on the families to let us know if they think
18 (Doctor's pager, short pause.)	8 their child is getting worse. Many times we
19 Q. (BY MS. TOSTI) Doctor, we had an	Y consult with neurologists or
20 interruption here but when you monitor a	20 neuroophthalmologists to help us to sort out the
21 patient's increased intracranial pressure after	21 child, if you would.
22 cyst fenestration, one of the things that should	2 Q. If the patient has chronic persistent
23 be done is to monitor the patient for papilledema	23 papilledema after a cyst fenestration, are there
24 that you, as a neurosurgeon, may do that or you	?4 complications that can be associated with that?
25 may refer the patient to a neuroophthalmologist	25 A. With papilledema'?
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1 to have a complete eye evaluation and to monitor	1 Q. With chronic cyst papilledema after
2 that situation on an ongoing basis, correct?	2 fenestration.
3 A. Correct.	3 A. Yes.
4 Q. Now if the child did not have papilledema	4 MS. CARULAS: Note my objection.
5 before surgery, undergoes a cyst fenestration and	5 Q. (BY MS. TOSTI) You may continue.
6 then develops papilledema after surgery, after	6 A. What was your question?
7 undergoing a cyst fenestration, is that cause for	7 Q. Are there complications associated with
8 concern?	8 chronic papilledema after cyst fenestration'?
9 MS. CARULAS: Note my objection. Go	9 A. My answer was yes.
0 ahead.	0 Q. What are those complications?
1 A. Obviously it's first of all, that's	1 A. Complications associated with chronic
2 something that I don't know that I've ever seen	2 papilledema may be progressive visual loss,
3 before. If I have, it's uncommon. But,	3 progressive constriction of visual fields, those
4 secondly, obviously you'd be concerned anytime	4 would be the primary things.
5 you saw papilledema particularly if it wasn't	5 In the long run if it's severe enough, it
6 there before and it was afterwards.	6 could lead to optic atrophy, which again
7 Sometimes around the time of surgery, by	7 clinically manifests in visual loss.
8 that I mean in the first month or so after	8 Q. What is optic atrophy'?
9 surgery I may see some transient rises in	9 A. It's actual loss of the nerve fibers within
20 intracranial pressure related to changes in CSF	:0 the optic nerve.
11 circulation or whatever. That may be transient.	1 Q. And would you agree that it's well
So if the child is not too symptomatic and	2 recognized in your field of neurosurgery that
3 if the clinical exam is not too alarming, it's	3 chronic papilledema can lead to optic atrophy
4 something that we may just follow. On the other	:4 resulting in visual field loss'?
5 hand. if it's something associated with nausea	5 MS. CAKULAS: Note my objection. Go
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<ol> <li>ahead.</li> <li>A. It is in some instances. It doesn't</li> </ol>	<ul><li>chronic papilledema would you agree that</li><li>peripheral vision is usually affected first?</li></ul>
3 necessarily have to.	3 A. Yes.
4 Q. (BY MS. TOSTI) Isn't optic atrophy	4 Q. I think you've already told me that a
5 something that occurs over a period of time,	5 serial, formal visual field test is helpful in
6 usually months, rather than something that's	6 monitoring a patient with chronic papilledema for
7 sudden that happens in a few hours or a day'?	7 visual loss, correct'?
8 A. Right.	8 A. Correct. I guess we should make it plain
9 Q. And with a patient who has chronic	9 that most neurosurgeons I know don't do normal
0 papilledema would you agree that the patient	0 field testing. That's something an
I should be followed for signs of atrophy'?	I ophthalmologist does.
2 A. I don't know how to answer that question.	2 Q. Right, and that you would co-manage a
3 That's not a well stated question. We've already	3 patient with the neuroophthalinologist doing that,
4 talked about the fact that	4 probably, portion of the evaluation of the child
5 Q. Let me rephrase it. When a patient has	5 and reporting back to you?
6 chronic papilledema would you agree that the	6 A. Right.
7 patient should be followed closely for signs of	7 Q. Do you have an opinion as to whether
8 visual field loss?	8 confrontation visual fields are effective in
9 A. I think looking for signs of visual field	9 evaluating a patient for field visual loss'?
0 loss is an appropriate way to follow children	:0 A. Yes, I think we do that every day as a
I with chronic papilledema. Again, if it's mild,	1 screening test on our part.
2 depending on the severity of the papilledema one	2 Q. Do you think that in regard to the patient
3 might and the chronicity of it one might	3 that may have chronic papilledema with visual
4 see them once a year as we might with some of our	
5 other patients, or we may see them once every six	5 evaluate the patient to determine if they have
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1 months, or if it's severe or we're worried about	1 lost vision?
2 them, we may see them twice a week.	2 A. I think it can be effective in a
3 Q. So it would be dependent on a complete	3 cooperative child.
4 visual examination, correct, so that you can make	4 Q. Why then do you refer a patient with
5 the determination is this stable or is it	5 chronic papilledema to a neuroophthalrnologist if
6 something that's becoming more severe; you would	6 it's just as effective is it just as effective
7 need to evaluate the child.	7 as formal visual field testing'?
8 A. That's correct, not just a visual	8 A. I didn't say that. You didn't ask that.
9 examination but the child as a whole.	9 Q. I'm going to let you clarify your answer
0 Q. When I say visual I mean fundoscopic,	0 then. Is it as effective as formal field
I visual fields, visual acuity, those types of	1 testing?
2 examinations, a complete assessment by a	2 A. No.
3 neuroophthalmologist.	3 Q. Can you get a normal result on
<i>I</i> A. Complete neurosurgical assessment, right.	4 confrontational visual field testing and then
5 Q. Isn't it <i>true</i> that when there is gradual	5 have formal visual field testings done and find
6 vision toss in one eye the vision loss may not be	6 out that you have defects in the visual fields'?
7 recognized by the patient until it's fairly well	7 MS. CARULAS: Note my objection. Go
8 advanced?	8 ahead.
Э A. Absolutely.	9 A. You may be able to pick up subtle
3 Q. So you would agree that in a child it	0 abnormalities in the visual fields by formal
I wouldn't be unusual for a child not to be aware	1 testing that you might not pick up by
2 of a gradual vision loss that occurs	2 confrontational testing, but in a cooperative
3 predominantly in one eye?	3 patient any significant deficit I think you
I A. Child or adult.	4 should be able to pick up, at least in an
5 Q. And with the vision loss associated with	5 experienced examiner's hands, you should be able
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to pick up	1 two studies, the MRI or CT. to nile out increased
2 Q Do you excuse me.	2 intracranial pressure'?
3 A Again, if you have a child that has	3 A. I would say in general you can't measure
4 behavioral problems and may not be the most	4 intracranial pressure with an MRI or CT scan.
5 cooperative or has problems with attention, then	5 Sometimes you can get clues from MRI's and CT
6 you may rely on someone who does it for a living	
7 rather than on yourself.	7 problem.
8 Q Doctor, would you agree that in the	8 For example, if we see a child with large
9 pediatric patient that is experiencing increased	9 ventricles and we put a shunt in and the
0 intracranial pressure after cyst fenestration the	10 follow-up scan shows the ventricles have gotten
1 risk of optic nerve damage increases with the	11 smaller and there is now fluid in the
12 duration of the papilledema?	12 subarachnoid space, it is generally presumed that
3 A Your question is whether the risk of losing	13 the pressure is decreased.
4 vision is greater over time in a patient with	14 Q. It tells you something about the position
5 chronic papilledema'!	15 of structures or the size of structures, but it
6 Q After cyst fenestration. If a patient has	16 can't tell you how much pressure those structures
7 increased intracranial pressure after cyst	17 are under, correct'?
8 fenestration, does the risk for optic nerve	18 A. That's correct.
19 damage increase with the duration of the	19 Q. Now before you take patients for cyst
20 papilledema?	20 fenestration do you check them for papilledema'?
21 A I can't say that with certainty. If it's	21 A. Yes.
2 inild and stable, it may not be at risk for visual	22 Q. Is that something that reasonably prudent
23 loss.	23 neurosurgeons would do with their patients is
24 Q Are there any signs or indications on	24 check for papilledema before doing a cyst
25 fundoscopic exam that would indicate to you that	25 fenestration'?
	Page 86 Page 88
1 the papilledema has been present for awhile and	1 MS CARULAS: Note my objection,
2 is in its early stages?	2 A. At some point. If you're trying to say do
3 A. Usually if it's severe papilledema we	3 I do it immediately before I take them to
4 assume that it's well, let me rephrase that.	4 surgery, I don't, but as part of my history and
5 Just by looking at the back of someone's eye I	5 physical that's part of the workup.
6 can't tell you with certainty how long the	6 Q. (BY MS. TOSTI) The preoperative
7 papilledema has been present. You can have	I evaluation
8 papilledema develop within a day or two in some	8 A. That's correct.
9 cases.	9 Q would include a check for papilledema
0 On the other hand, we see children with	10 A. That's correct.
I chronic shunt malfunctions who came in with	11 Q before cyst fenestration?
2 raised intracranial pressure for weeks who never	12 A. That's correct.
3 show papilledema.	13 Q. Why is it that you do that?
4 Q Is that something that you would defer to a	14 A. I'd like to know if it's present so that if
5 neuroophthalmologist as to whether or not you car	
6 tell how long the papilledema has been present'?	16 something to compare it to.
7 A I would be surprised if they could tell you	17 MS. TOSTI: We are going to suspend
8 how long it had been present with certainty.	18 this deposition and I reserve the right to
9 Q Do you use any type of grading system to	19 continue it as both defense counsel and I need to
0 note the seventy of the papilledema?	20 catch an airplane. It's the last flight out of
1 A Just my monitor.	21 Memphis this evening. We will continue this
2 Q Doctor, would you agree that a CT scan and	22 deposition probably by telephone at a mutually
3 an MRI of the brain are not reliable diagnostic	23 agreeable time and date.
4 studies to rule out the presence of increased	24 THE WITNESS: Okay.
5 intracranial pressure; that you can't use those	25
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	3 STATE OF TENNESSEE:		
	4 COUNTY OF SHELBY:		
	5       I, CATHY A HASTINGS, Certified Court         6 Reporter and Notary Public, Shelby County, Tennessee, CERTIFY:       7         1       The foregoing deposition was taken before me at the time and place stated in the storegoing styled cause with the appearances as noted;         9       2. Being a Shorthand Reporter, I then reported the deposition in Stenotype to the best or my skill and ability, and the foregoing pages contain a full, true and correct transcript of my sli and ability, and the foregoing pages contain a full, true and correct transcript of and ann not 12 related to my of the parties or their counse!, and I have no interest in the matter involved.         14       WITNESS MY SIGNATURE, this. the		
	24 25		
	23		
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