#### PIKKEL V ZANNETTI CondenseIt!<sup>TM</sup> **B. BLUMENKOPF, 3/27/0** ÷. Page Page 1 STATE OF OHIO 1 COUNTY OF CUYAHOGA EXHIBITS 2 IN THE COURT OF COMMON PLEAS 2 PAGE 3 BONNE PIKKEL, et al., 3 Plaintiffs 4 vs. C.A. NO. 326207 4 1 Curriculum Vitae Λ 5 MARK SANNETTI, D.C., et al., 5 2 Letter, Witness to Scott, 6 Defendants 6 1/0/00 4 1 1 Letter, Witness to Scott, 3 DEPOSITION of BENNETT BLUMENKOFF, M.D., 8 8 1/2/9912 9 taken at the request of the plaintiffs, before 9 Letter, Witness to Scott, 4 10 Michael Gruber, a notary public in and for the L0 7/9/99 12 11 Commonwealth of Massachusetts, on March 27, 11 Letter, Witness to Scott. 5 2001, commencing at 2:30 p.m., at the UMass 12 12 12/14/0012 13 Memorial Medical Center, 119 Belmont Street. .з 6 Group of Documents, Cover Worcester Massachusetts 14 .4 Page Bearing Reminger & 15 APPEARANCES: .5 Reminger Letterhead, 6/25/99, 1.6 FOR THE PLAINTIFF: .6 with Attachments 15 L7 ROBERT F. LINTON, JR., ESQ. LINTON & HIRSHMAN, ESQ. Hoyt Block Building Suite 100 West St. clair Avenue Cleveland, Ohio 44113 7 1.8 Suite 300 8 10 g 20 -and-MARK RUF, ESQ. (7 Hoyt Block Building 700 West St. Clair Avenue Cleveland, Ohio 44113 (Telephonically) 0 !1 Т 2 2 ' 3 з 4 4 Page 4 Page FOR THE DEFENDANT SPANER 1 Bennett Blumenkopf, M.D., SWORN 1 WARREN ROSMAN, ESQ. WESTON, HURD, FALLON, PAISLEY & HOWLEY, ESQS. 2 2 3 2500 Terminal Tower (Whereupon, Exhibits 1 and 2 were 3 50 Public Square Cleveland, Ohio 44113-2241 4 4 marked, for Identification.) 5 FOR THE DEFENDANT MERIDA HILLCREST HOSPITAL: 5 6 JAMES L. MALONE, ESQ. REMINGER & REMINGER, ESQS. The 113 St. Clair Building 6 EXAMINATION BY MR. LINTON: 1 7 8 Cleveland, Ohio 44114 Q. Dr. Blumenkopf, good afternoon. We 8 9 9 met a few minutes ago. My name is Bob Linton. 10 INDEX 10 Mark Ruf and I represent Mr. and Mrs. Pikkel in 1:1 DEPONENT: BENNETT BLUMENXOPF. M.D. 11 a lawsuit that is pending in the Court of Common 1.2 PAGE 12 Pleas against various parties. 13 EXAMINATION BY MR. LINTON 4 1.3 I understand you have been retained 14 as an expert neurosurgeon on behalf of the 14 15 15 hospital, is that correct? 16 A. That's my understanding, yes. 16 1.7 17 Q. We're here to take your deposition. I 18 assume you've been deposed before, Doctor? 18 19 A. I have, yes. 19 20 20 Q. How many times have you been deposed 21 21 before, approximately? 22 A. For proceedings such as this or 22 23 including workers' compensation? 23 24 Q. Let's start first for proceedings 24

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Page 1 - Page 4

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	Page 5			Page
1 such as this.	1	A. I'll do the	e best I can to answer your	
2 A. I would be estimating maybe 20, 30. I	2	questions as tho	proughly as I can.	
3 don't have an individual recollection, so it's	3	Q. Thank yo	ou very much. Do you also	
4 anestimate.	4	understand that	our court rules require that you	
5 Q. And if we were to include additional	5	disclose all of y	our opinions in a case, and	
6 cases, how many additional cases?	6	that if you fail t	o tell us today all of your	
7 A. Well, in the workers' compensation,	7	opinions, that w	e will move to exclude any	
8 you mean?	8	<b>.</b>	ons at the time of trial?	
9 Q. Any depositions.	9	MR. ROSM	IAN: Objection.	
10 A. Oh, maybe another dozen.	10		ONE: He can testify within the	
1 Q. Okay. Just so we're clear, first of	11		the report he has written. This	
12 all it's important that you understand the			of the discovery rules. His	
3 question that I ask. I might use a term		-	forth in that report. It's not	
4 inappropriately. If I do please stop me and I'll		-	y to tell you anything today.	
5 do whatever I need to to clarify the question so		-	sibility to ask him questions,	
6 you understand it, okay?		• •	the responsibility to answer	
7 A. Certainly.			but beyond that he has no	
8 Q. If you don't ask for clarification		responsibility to	-	
9 we're going to assume you understood the	19		enkopf, I just want to make	
0 question, is that fair?			here today to find out, and I	
1 A. Absolutely.			r I need to to ask you all of	
2 Q. My purpose today, Doctor, is to find	22		nd our court rules require that	
3 out all your opinions in this case and	!3	• •	of your opinions both in your	
4 everything you based those opinions on. Do you		•	nd at the time of deposition. We	
	Page (			Page
1 understand that?	-	will move to exc	clude any new opinions that are	i uge
2 A. Yes.			your report or are not	
3 Q. Do you agree it would be unfair to my		*	at this deposition. Do you	
4 clients if you fail to disclose to us today all		understand that?		
5 of your opinions?	5		AN: Objection.	
6 <b>A.</b> Absolutely.	6		NE: Objection.	
7 Q. And do you agree that since we want	7		nd that. I think that maybe	
8 everything you based your opinions on it would			Dhio, I don't know, but there	
<ul> <li>9 likewise be unfair to Mrs. and Mrs. Pikkel if</li> </ul>			ew information becomes availal	
<ul> <li>you fail to tell us today everything you based</li> </ul>	-		e deposition, so you reserve the	JIE
I your opinions on?		-	ther expand or espouse	
2 MR. MALONE: Let me just object.		•	s pursuant to new information.	
3 He'll answer all of your questions.			xclusion I've heard previous.	
<ul> <li>This isn't meant to be an open narrative by him</li> </ul>		•	-	
· · ·	4	-	ing to ask you to	
5 to explain everything he's done and everything		•	what the rule is in Ohio. I'm	
5 he thinks. You have to ask questions. That's why		-	ear we will move to exclude any	
<ul> <li>7 we call it a deposition.</li> <li>3 MR. LINTON: I understand that.</li> </ul>		-	re not expressed in your report	
		• •	tion today. Do you understand	
MR. MALONE: He's going to give you		what I'm saying?		
) full answers to your questions.		•	understand it, yeah.	
MR. LINTON: I understand that.	L	Q. Okay.		
? Q. I just want to make it clear, Doctor,	2		t know if it's my job to	
I'm here today to find out all your opinions and	3	agree or disagree		
4 everything you based your opinions on.		MR. MALON	NE: It's not. It's neither.	

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Page 5 - Page 8

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	Page 9			Page
1 Q. Have you done everything you need to	-	it, or	have. With the report on here.	U
2 do to provide your opinions in this case?	1	2	(Handed to Mr. Linton.)	
3 A. With the information provided me,			. And then there would be the retainer	
4 yes.	4		his. I don't know exactly how we how	we
5 Q. Have you reviewed everything			municated, may have called me, but this	
6 necessary to provide us your opinions in this			a statement from him with a check for th	
7 case?			ner for this or, actually, it's from	
8 A. I believe so, yes.	1	3 you.	· · · · · · ·	
9 Q. Is there any additional information	9	•	(Handed to Mr. Linton.)	
10 that you've requested but not received?	I	) Q.	Do you owe me any money back yet?	
11 <b>A.</b> No.	1.		. Huh?	
12 Q. Does anything else need to be done to	12	Q.	Do you owe me any money back yet?	
13 provide us with your final opinions in this	1	3 A.	Idon'tknow.	
14 case?	14	Q.	\$1,400. Am I correct, just in all	
15 A. Not to the best I can understand the	15	serio	usness, that you'll be charging for your	
16 situation, no.	1	5 actua	al time spent today at the rate of \$350 ar	1
17 Q. Let's talk, if we can, about billing,	17	hour	?	
18 Doctor.	18		As opposed to what?	
19 What do you charge for your	19	-	As opposed to if I walk out of here	
20 deposition?	20		an hour, that you'll be charging me an	
A. I just charge for my time, which is	21		unt in addition to that.	
22 at \$350 per hour, whether it's doing this or	22		No, the retainer was for the four	
23 reviewing the records or going to trial,	1		s of time, so if you leave early it's your	
24 whatever the process is.	2!4	hard	luck.	
]	Page 10			Page
1 Q. So it's a \$350-an-hour charge?	1		And if I stay late?	
2 A. correct.	2		Then there's an extra fee, yeah. I	
3 Q. For any activity on the file, is that	3		my calendar	
4 right?	4	Q.	That's fine, Doctor.	
5 A. Correct.	5		MR. MALONE: I owe you an adjustment	
6 Q. Do you keep records of your time?			will deal with you separately about that	
7 A. Records in a general sense, yes.			make an adjustment to you because I'v	
8 Q. What sort of records are available	1		some of his time to prepare him that yo	u
9 that would show the amount of time you have	9		ooked originally.	
10 spent in this case?	10		I was just asked to give four hours.	
1 A. Just the documents I <b>think</b> you	11		Doctor, aside from this deposition	
12 already have, which would be the statements, and			about to give here today, is there any	
13 I try to bring all documents relating to this	13		ional work you've done on the file that y	ou
14 case. Or relating to any case.			not yet billed for?	
15 Q. Could you please pull for us all the	15	А.	No.	
16 billing records you have in your file?	15		MR. LINTON: Let's mark these.	
17 <b>A.</b> I think they're right here.	1.7	_	(Documents marked.)	
18 Q. Could you show those to us, please?	.18		I may be stating the obvious, but I	
19 A. Well, this this statement relates	:19		ne you charge for all the work you've do	ne
20 to I've been requested and been provided a	220		is case, is that right? You haven't done	
21 retainer for the trial date, so that's that.	21	•	ervices on this case for free.	
22 Then there were two statements almost two years	212		No, I charge for my time, that's	
23 ago when I initially looked at this for Mr.		correc		
21 Scott in July of 1999. You're free to look at	2:4	Q,	Exhibit 3 is a copy of a letter from	
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Page 9 - Page 12

PIKKEL V ZANNETTI	CondenseIt! <sup>™</sup> B. BLUMENKOPF, 3/2
	Page 1 Pa
1 you to the Reminger law firm showing how much	
2 time spent for your initial case review. Two	2 A. Not on the bottom. Just in the
3 hours?	3 middle.
4 A. That's correct.	4 MR. LINTON: Let's mark that, please.
5 Q. Would that be to review all the	5 (Document marked.)
6 written materials that you have in your file?	6 Q. Okay, Doctor, I've had a chance to
7 A. I believe I received everything at	7 have a look at Exhibit 6. Exhibit 6 is a letter
8 once, yeah.	8 from the Reminger law firm to you, dated June
9 Q. In addition to that, Exhibit 4 shows	9 25, 1999, is that right?
0 additional time of an hour and 20 minutes?	10 A. Yes.
1 A. A 20-minute telephone call,	11 Q. And attached to that also is a, looks
2 conference, and then an hour to prepare a	12 like an E-mail from Donna C-z-e-r-w-i-n-s-k-i,
3 report.	13 at the Reminger law firm, as well, dated June
4 Q. And that would be for the report that	14 23, 1999, is that right?
5 you prepared in this case, which we have marked	
16 as Exhibit 2?	16 Q. As best we can tell, it would have
7 A. Correct.	17 been Donna, the paralegal from the Reminger law
8 Q. In addition to that, Exhibit 5 shows	18 firm, that first contacted you about this case
9 the amount for your trial testimony, eight hours	19 on June <b>23</b> , 1999, is that right?
0 at 350 an hour, for a total of \$2,800.	20 A. I don't recall if there was maybe a
1 <b>A.</b> That's the retainer for that time if	21 phone call prior to the E-mail. I don't have a
2 it proceeds to trial on that date, yes.	22 recollection how she would have gotten my E-mail
Q. Thank you. We'll make copies of all	<sup>23</sup> or anything like that.
4 of these so can you keep the original in your	24 Q. Would you
1 file.	Page 14 1 A. Certainly the date of the E-mail
A. I do request that if you're going to	2 precedes the date of the letter, but
3 do that, put it on the record, that my Social	3 Q. Have you reviewed cases for the
Security number be blacked out on the copy,	4 Reminger law firm before this one?
5 since that was provided for tax purposes, and	5 A. I believe so, yes.
5 not for this proceeding.	6 Q. And how many other cases had you
7 Q. Sure.	7 reviewed for the Reminger law firm aside from
Is there anything else that	8 this one?
constitutes part of your file that we don't have	9 A. I would say more than one, but I
in front of you?	<ul> <li>9 A. I would say more than one, but I</li> <li>0 couldn't give you an exact figure.</li> </ul>
A. Everything that I know that relates	1 Q. Do you have any records you could
to this case is on this table.	2 check to confirm that?
Q. Okay. Has anything been removed from your file at any time?	<ul> <li>3 A. No.</li> <li>4 Q. I assume that the other case or cases</li> </ul>
	-
	5 you were involved in were for the defense of
	5 health care providers as opposed to representing
counsel? MR, MALONE: It's <b>in</b> there.	17 the patient?
	18 MR. MALONE: The other cases he was
A. Not that I'm aware of.	19 involved in on behalf of my law firm.
Q. Did you receive an initial engagement	20 MR. LINTON: correct.
letter from the Reminger law firm?	MR. MALONE: Not all the other cases
MR. MALONE: It's all in there, Bob.	2 he has been involved in.
Notes on it, everything. It's a dream for you.	3 MR. LINTON: Correct.
(Handed to Mr. Linton.)	4 A. Yeah, I believe that's true. I can't

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Page 13 - Page 16

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15	Page 17	Page
1 recall I believe all of them were on the	- (	that have been based on the
2 defense side, yes.	2 statement in t	he ER record of being unable to
3 Q. Do you recall any other cases in	3 void for 26 ho	-
4 terms of what the issues were?	4 A. Correct	í.
5 A. No.		hat did you use to determine the
6 Q. Do you recall how long before June		n the 47 hours 15 minutes?
7 23, 1999 you had last consulted with the	7 <b>A.</b> That w	as the interval from the time
8 Reminger law firm?	8 of the treatme	ent, chiropractic treatment, to the
9 A. Consulted, you mean discussed any	9 incision at sur	
I0 situation?	10 Q. Incisior	n at 3:15?
11 Q. Correct.	11 A. Correct	
12 A. I don't recall that.	-	u able to tell, based on the
13 Q. Have you worked on any previous cases		rovided, when the procedure was
14 with Mr. Malone?		bint that all compression was taken
15 A. No.	15 off the nerve?	
16 Q. Mr. Scott?	1	e to look at the operating
A. I believe this was the first time I		I could I could estimate that to
18 worked with Mr. Scott.	.8 see how long	
19 Q. The handwriting that appears on		ve me, first of all, your
20 Exhibit 6, I assume that's your handwriting?		vas a two and a half hour
21 A. With the exception of Mr. Scott's	-	cording to the records.
22 signature block, yes.		nm. Well, I I would assume
23 Q. And, likewise, on the E-mail, as	2B that that's the	incision time.
24 well?	2:4 Q. It was.	
	Page 1	Page 2
1 A. Yes.		say if the the total
2 Q. Just read for me what this	-	was what you say, it would
3 handwriting is, so we can decipher it.	1	ithin the hour, I would think.
4 A. "7/1/99," July 1, 1999, "Two hours.		closing is, you know, probably some
5 Called Mr. Scott. Left answering machine		nd then maybe an hour.
6 message, 7/8/99," July 8, '99, "20 minutes,		our from the point of
7 report."		3:15 to 4:15, by that point you
8 Q. Can you read, then, the second page,		all the compression to have been
9 if you could?	<b>9</b> removed from	
10 a. Second page, "Delay 34 H," for 34		think, from the nerves. I
11 hours 13 minutes, "47 hours 15 minutes."	11 think that's rea	
12 Q. Let me stop you there.		s of a time line, is it
13 What did you base those numbers on?	_	tart from the time of incision or
14A. My understanding of the time line on		ich all the from the point in
15 the case.		ompression is completed?
15 Q. Time line from onset of symptoms?		hink to be more specific or
17 A. Correct.	-	ut it, probably from the
13 Q. And what were the original symptoms		, but I was just taking it to the
19 that what symptoms did Bonnie Pikkel first		n, which is, you know, kind of
20 have showing cauda equina syndrome?		point in time and certainly an
2.1A. The urinary retention.		time from that standpoint.
2:2 Q. Anything else?		ere to be more precise and
2.3 A. That was the one I was timing it from	1	me of compression you would
2 <sup>2</sup> by my review of the record.	:24 then adjust that	t 47 hours 15 minutes by an hour
MC CARTHY REPORTING SERVICE W	VORCESTER, MA	Page 17 - Page 20

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Page 17 - Page 20

PIKKEL V ZANNETTI	Cond	enseIt! <sup>™</sup>	B. BLUMENKOPF, 3/27/
	Page 2		Page
1 to 48 hours 15 minutes?		1 You, once	e again, put
2 A. It would then go from 35-13 to 48-15,		2 A. "Le	ess than 24-hour window."
3 if you want to do it that way.		3 Q. Ca	n you just read for us, and tell me
4 Q. Does that cover the time line in		4 the signif	icance of your handwriting on the
5 terms of the key events that form the basis for		5 E-mail da	ited June 23, 1999?
6 your opinion?		6 A. It s	ays, "injury", then in
7 A. Does what, sir?		7 parenthes	is "manipulation". That's relating to
8 Q. The time frame that we just talked		8 the chirop	practic treatment. September 3, 1996,
9 about.		9 1600. Tha	at was the time that $\overline{\mathbf{I}}$ understood from
10 A. I'm not sure I understand what I		10 some reco	ord when that procedure was performed.
11 mean		11 First ER v	isit was at 9/4/96 at 1903. Second ER
12 Q. I assume that I'll back up.		12 visit 9/5/9	96 at 0805. To the operating room
13 Your report talks about your		13 9/5/96 at	1440. Surgery start, 1515.
14 addressing the issue of causation of damages,		14 Q. Aga	ain, started
15 correct?		15 A	9/5/96.
16 <b>A.</b> Correct.		16 Q. Sta	rted the incision?
17 Q. In terms of the time line to give		17 A. Tha	at's what I assume. I haven't
18 that opinion, is this the key time line that		18 looked at	that record.
19 we're talking about?		19 Q. Oka	ay.
A. Yeah, I believe so. Yeah, the 48		20 A. The	en I have I think this is some
21 hours 15 minutes.		11 mathemat	ics, but if I extrapolated the time from
Q. There's another notation that says,			on of the first procedure time of
<sup>23</sup> and I assume it's answering a question, "Please		-	on at the second ER Visit to the time
<sup>24</sup> advise whether the patient likely had a		4 of surgica	l incision, it was seven hours ten
	Page 22		Page 2
1 neurological injury resulting in neurogenic		1 minutes to	otal, so the surgical incision,
2 bladder prior to patient's first presentation to		2 assuming	that time line from the first
3 the ER at Hillcrest Hospital."		3 presentatio	on, I have surgery start at 0213. And
4 You answer, "Yes, by 26 hours by		4 then I calc	ulated, then, the time interval from
5 history"?		5 the injury	to that kind of hypothetical incision
6 <b>A.</b> That's correct.		6 after the fi	rst emergency visit, and that's the
7 Q. That, again, would be based upon what		7 34 hours	13 minutes versus the true incision,
8 was in the ER record, talking about a 26-hour		8 which was	47 hours 15 minutes, resulting in the
9 history being unable to void.		9 13 hour tw	vo minutes delay of the hypothetical to
0 A. correct.		0 the real inc	cision time.
1 Q. "Please also advise whether such		1 Q. Oka	y. And if we were to revise that
2 injury, if present prior to patient's		2 to reflect t	he point at which decompression was
3 presentation to ER for the first time, was		3 completed	, would you once again change that time
4 likely a permanent injury again prior to		4 frame to 3	5 hours and 13 minutes and 48 hours
5 patient's initial presentation to ER," and you		5 and 15 min	nutes?
5 have what next to that?		16 A. Yea	h, I don't <i>think</i> the net changes,
7 A. "Less than 24-hour window."			solute changes, correct.
3 Q. Okay. Lastly there's a sentence on		18 The	re's some other little notations
• the letter which reads, "Finally, please also		9 here.	
) advise whether you believe patient likely would		20 Q. I'ms	sony.
. have developed permanent perineal numbress eve			nk it was just where I was doing
assuming that the patient was diagnosed with			natics. I think at some point it
compressive disc disease at the time of		•	me whether I forgot about the time
patient's presentation to ER at the hospital."	1		, but that was encompassed in that
	4		, <b>r</b>

Page 21 - Page 24

PIKKEL V ZANNETTI	Condens	seIt! <sup>™</sup>	B. BLUMENKOPF. 3/27
	Page 25		Page
I other time. So that's why there's some	1	A. Iw	rote, "I agree with his
2 scratchings.	2	impressio	n/diagnosis, but 80 percent is not
3 Q. In terms of what you've reviewed,	3	supported	by any literature I'm aware of," and
4 what I would like to be able to do is make d	o 4		, "Indiana study". I-n is Indiana
5 you have access to a color copy machine, or yo		study.	· · ·
6 can provide these to the court reporter and we	6	•	nat did you mean by that last part?
7 can get color copies of things that you've	7	-	which last part?
8 highlighted?	8	-	e Indiana study.
9 <b>A.</b> The answer to your first question is	9		familiar with a study regarding
10 no. The answer to your second question is, fine	1 -		of syndrome that came from a group, I
11 with me.		believe, ir	
12 Q. It will help speed things up that	12		at you believe supports or refutes
13 way.		Dr. Bell's	• • • • • • • • • • • • • • • • • • • •
In terms of what you've reviewed, if	13		elieve it refutes his position, or
15 we could just go to the index, you were provide	1		ny position.
16 with medical records from the Reminger law fi		••	ay. So your note was that you don't
17 correct?			ere's any literature that supports it
			dition, you think there's an Indiana
<ul> <li>A. Yes.</li> <li>MR. MALONE: I would say medical</li> </ul>			refutes his position?
	1	•	*
20 records by the Reminger law firm. We don't	20		egard to the 80 percent statement in his letter.
21 provide medical care. At least we used to, but			
22 we've stopped.	22		at did you mean when you said you
23 MR. LINTON: Have you stopped that?			his impression regarding diagnosis?
24 MR. MALONE: Yeah.		A. 1 Sa	id I agree with his
	Page 26	· ·	Page
1 MR. LINTON: Okay. Maybe you ought to	1	-	ns/diagnosis.
2 start again.	2		at was his impressions/diagnosis?
3 MR. MALONE: We may, we may. We have			ll, basically his impression of the
4 some people who know what they're doing. We			enario, syndrome, and then his
5 perhaps help some folks out.		-	as to what basically everything
6 THE WITNESS: It's his time.	6		ssing in the letter up to that point.
7 MR. MALONE: Yeah.	7		he only thing you really disagree
8 Q. Those records consist of, number 1,			report is his finding that there
9 our expert reports; number 2, discharge summa	-		e been an 80 percent likelihood of
10 from Hillcrest Hospital dated 1/22/80; number		•	ent had surgery been done after her
11 9/13/90 ER visit; number 3, a 9/4/96 the	1	-	ntation as opposed to after her
1.2 first ER visit involved in this case, is that	12	second.	
1:3 right?	13		ed on the time line that I was
14 A. Yes.	14	-	hat's correct.
15 Q. Number <b>4</b> , the second ER Visit, from	15		agree, I saw in your report, that
16 9/5/96; number 5, the 9/5 through 9/10/96			esent on September 4, 1996 with cauda
17 admission; number 6 is the 9/27 through 9/28/9	1	equina syn	
18 admission; number 7 is miscellaneous radiology	/ 18	MR.	ROSMAN: Objection.
19 reports; number 8 is miscellaneous lab reports.	19	<b>A.</b> I'm	sorry. I agree what?
20 There's a stick-um that I assume has	20	Q. That	on September 4 of 1996 Bonnie
2) your handwriting on it at page 4 of Dr. Bell's	21	Pikkel pres	ented with cauda equina syndrome.
22 report?	:22	MR.	ROSMAN: Objection.
23 A. Correct.	23	A. Find	ings consistent with that, yes.
24. Q. And can you read that for us, please?	:24	Q. Oka	у.
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Page 25 - Page 28

PIKKEL V ZANNETTI	CondenseIt! <sup>TM</sup>	B. BLUMENKOPF, 3/27/0
61	Page 29	
1 A. Or complaints consistent with that.		
2 Q. Let's be precise about this, if we		
3 can. I'm looking at your report, which we		
4 identified as Exhibit number 2.		
5 A. Mm-hmm.		
6 Q. This third paragraph begins, "Mi-s.		
7 Pikkel presented on 9/4/96 with cauda equina		
8 syndrome.		
9 A. Right.		
10 Q. Close quote.		
11 A. Right.		
12 Q. So on 9/4/96 she had cauda equina		
13 syndrome, correct?		
14 MR. ROSMAN: Objection.	-	
A. By clinical findings, yes.		
Q. And the clinical findings that		
17 supported that diagnosis were incontinence of		
18 urine and stool and perineal numbness.		
MR. ROSMAN: Objection.		
MR. MALONE: I'll object to that.	:	
21 Q. Correct?	:	
22 MR. MALONE: There's no evidence of	1	
23 that.		
MR. ROSMAN: That's not a fair	2	
	Page 30	
1 characterization of what	I ugo 50	
2 Q. Is that what your report says,		
3 Doctor?		
4 A. Yes.		
5 Q. Is that, in fact, your findings and		
6 opinion?		
7 A. That's my understanding at the time,		
8 yes.		
9 Q. And the cauda equina syndrome that		
0 resulted in incontinence of urine and stool and		
1 perineal numbress was due to compression on the	ne	
<ol> <li>2 lumbosacral nerve roots within the lumbar</li> </ol>		
3 thecal sac by a large free fragment disc		
4 herniated from the L5 level, correct?		
5 A. That's my belief, yes.		
6 () And that's the same tinding that Dr		
6 Q. And that's the same finding that Dr. 7 Bell made		
7 Bell made.		
<ul><li>7 Bell made.</li><li>3 A. Well, I'm basing it on the finding</li></ul>		
<ul> <li>7 Bell made.</li> <li>3 A. Well, I'm basing it on the finding</li> <li>9 that Dr. Bell made basically. That's a surgical</li> </ul>		
<ul> <li>7 Bell made.</li> <li>3 A. Well, I'm basing it on the finding</li> <li>9 that Dr. Bell made basically. That's a surgical</li> <li>10 finding and I have no reason to believe</li> </ul>		
<ul> <li>7 Bell made.</li> <li>3 A. Well, I'm basing it on the finding</li> <li>9 that Dr. Bell made basically. That's a surgical</li> <li>1 finding and I have no reason to believe</li> <li>1 otherwise.</li> </ul>		
<ul> <li>7 Bell made.</li> <li>3 A. Well, I'm basing it on the finding</li> <li>9 that Dr. Bell made basically. That's a surgical</li> <li>1 finding and I have no reason to believe</li> <li>1 otherwise.</li> <li>2 Q. Did you at any time review the actual</li> </ul>	)2 MD M4	I ONE: So if he's called in to
<ul> <li>7 Bell made.</li> <li>3 A. Well, I'm basing it on the finding</li> <li>9 that Dr. Bell made basically. That's a surgical</li> <li>1 finding and I have no reason to believe</li> <li>1 otherwise.</li> </ul>		LONE: So if he's called in to at by some happenstance is that

Page 29 - Page 32

### PİKKEL V ZANNETTI

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## CondenseIt!<sup>TM</sup>

Page 3:         Page 3:         Page 3:           1 the question? Because he doesn't work in ER as 2 primary FR physician. You're putting him in a 2 possibility among all the other possibilities.         1 raise that to a higher or lower likelihood of 2 possibility among all the other possibilities.         2 possibility among all the other possibilities.           3 of mechanisms.         4 Q. Doca I understand i, there would be 4         5 differenti physicians who are qualified to 4 and be a mechanical 4         9 cost of the amechanisms.         4 Q. So as 1 understand i, there would be 4           7 diagnose cauda equina syndrome?         8 A. Well, Think that the answer to that 9 question is, we eachhave our personal biakes.         9 postonic, 4 would be a mechanical 8         8 problem.           10 more generic sense as to what could cause those 11 endoworm, and while the listing or the list         11 more sources.         12 Q. Anything else that would be on your           11 thrick is fair to say, at Least when you ask a         13 list?         A. Well, frankly, I haven't really           15 neurological issues shead of others, and that's 16 no a primary prologist. The same transport of the same for everyone, I         13 list?         14 A. Well, frankly, I haven't really           15 trip: the iss, and then you'll get a tot 1         14 a. Well, frankly, I haven't really         15 thought about it that way because, again, Tha 16 and apprimary prologist. The same anological process and it's not a 10 more likely than not to put neurosurgical or use the same for everyond by be the 1 may not know everything that - 1         <	PIKKEL V ZANNETTI Coi	IdenseIt! <sup>1M</sup> B. BLUMENKOPF, 3/27/0
1       the question? Because he doesn't work in ER is a 2 primary ER physician. You're putting him in a 3 position he doesn't occupy professionally.       1       1 triate that to a higher or lower likelihood of 2 possibilities.         3       position he doesn't occupy professionally.       2       2 possibility semong all the other possibilities.         4       Q. Doctor, is there a different       5       3 Or mechanisms.         5       different physician. You're putting him in a 5       6         6       different diagnosis that would be made by 6       6         6       different diagnosis that would be a mechanical       9         9       ax Well, I think that the answer to that 9       9         9       axel on our experience iour field of 11 endeavor, and while the listing or the list 12       10 more generics escnes ato what could cause those 11 sorts of problems. As a process.         12       probably should be the same for everyone, I       13       13         15       think lethe listing or the list in ensence, 10       14 metrosurgean about a list, he's probably going 15       14 our a physiological process and it's 10         16       think we have probably an experience or 12       14 matrosurgean probably an experience or 13       15 hould hadge and bousel it hat would be an experience or 12       14 our a physiological process and it's 10       16 metrological process - Physiological''' meaning, 10         1	Page	3: Page 3
2 primary ER physician. You're putting him in a       2 possibility among all the other possibilities.         3 position he doesn't occupy professionally.       3 Or mechanisms.         4 Q. Doctor, is there a different       4 Q. So as I understand it, there would be         5 differential diagnosis that would be made by       6 neurological. 2 would be unological. 3 would be         7 diagnose cauda equina syndrome?       8 n. Well, Ijust trying to think in a         8 question is, we each have our personal biases,       9 not physicians who are qualified to         10 based on our experience in our field of       11 sorts of problems. As a process.         12 probably should be the same for everyone, I       12 of anything else that would be on your         13 thirk it's fair to say, at least when you ask a       14 a. Neell, Ijust trying to think in a         14 neurosurgen about 1 isit, be's probably going       15 to more likely than not to put neurosurgical or       12 Q. Anything else that would be on your         13 thirk we have probably are experimece or       18 built if it's not an obstructive process and it's not a       19 not aphysiological process - "physiological" - I don't thatway         14 conterlists, and then you'll get a tota!       13 like, metacian, "neurological" - I don't thave       14 a biazer situation, but - '         15 to more likely that in mind, Doctor, what would       2 atypase-od woman - '       3 A. I'm not saying it is - '         1 be other lists, and		
<ul> <li>Q. Doctor, is there a different</li> <li>differential diagnosis that would be made by</li> <li>differential diagnosis that would be made by</li> <li>differential diagnosis that would be made by</li> <li>differential bysicians who are qualified to</li> <li>7 diagnose cauda equina syndrome?</li> <li>A. Well, I think that the answer to that</li> <li>9 question is, we each have our personal biases,</li> <li>10 based on our experience in our field of</li> <li>11 endeavor, and while the listing or the list</li> <li>12 endeavor, and while the listing or the list</li> <li>13 thirk it's fair to say, at least when you ask a</li> <li>14 neurosurgen about a list, he's probably going</li> <li>15 to more likely than not to put neurosurgical or</li> <li>18 think we have probably an experience or</li> <li>19 discipline bias in that regard. But, in essence,</li> <li>10 thirk the differential diagnosis of any</li> <li>11 complaint or syndrome should probably be the</li> <li>2 same, albed than you flow everything that - I</li> <li>2 same, albed we you flow as complete as the</li> <li>2 enter list. It's my list, and then there will</li> <li>2 be other lists, and then you'll get a total</li> <li>2 list, and I would probably leave out, you know,</li> <li>3 maybe there's a dermatologic reason fir it that</li> <li>4 I'm not aware of.</li> <li>5 Q. With that in mind, Doctor, what would</li> <li>a naw suptoms Bonnie Pikkel had when she</li> <li>8 prosented on September 4, 1996?</li> <li>A. Tim avare of.</li> <li>3 Q. With that the - given the - I'm</li> <li>9 make sure wer's still straing on the same case.</li> <li>10 Q. On September 4, 1996?</li> <li>11 Q. Doctor, in your eyes, on the top of</li> <li>2 herist would have been cauda equina syndrome?</li> <li>3 an eurological mechanism, or it could be due to a</li> <li>15 on a differential diagnosis is it other</li> <li>16 metal when firm asked to look at</li> <li>3 neurological mechanism or it could be due to a</li> <li>17 A. Well that would be cauda equina syndrome?</li> <li>3</li></ul>	2 primary ER physician. You're putting him in a	2 possibility among all the other possibilities.
5 differential diagnosis that would be made by       6 differential diagnosis fat would be matching         6 differential diagnosis and syndrome?       8         8 A. Well, I think that the answer to that       9 question is, we each have our personal biases,         9 question is, we each have our personal biases,       9         10 based on our experience in our field of       10 more generic sense as to what could cause those         11 endeavor, and while the listing or the list       12       0. Anything else that would be on your         13 think it's fair to say, at least when you ask a       11       11         14 neurosurgeon about a list, he's probably going       14       A. Well, I minkly, I haven't really         15 to more likely than not to put neurosurgical or       15       10 more ways of thinking about it. But if **         16 in the differential diagnosis of any       15 to how the differential diagnosis of any       16 not a primary urological. The sure urological mecess and it's not a         10 thrick the differential diagnosis of any       11 like, medication, "neurological" ** I don't know         11 brick with sit s probably not as complete as the       12 neurological process and it's not a         12 be other lists, and then you'll get a total       12 desaft even have a bladder. I meaning.         12 be other lists, and then you'll get a total       1 Q. I doubt that would be the case in a         2 noy thiftenetial diagnosis	3 position he doesn't occupy professionally.	3 Or mechanisms.
<ul> <li>5 differential diagnosis that would be made by</li> <li>6 differential diagnosis that would be marological, 3 would be</li> <li>7 diagnose cauda equina syndrome?</li> <li>8 A. Well, I think that the answer to that</li> <li>9 question is, we each have our personal biases,</li> <li>10 based on our experience in our field of</li> <li>11 endeavor, and while the listing or the list</li> <li>12 probably should be the same for everyone, I</li> <li>13 think it's fair to say, at least when you ask a</li> <li>14 neurosurgeon about a list, he's probably going</li> <li>15 to more likely than not to put neurosurgical or</li> <li>16 nore likely than not to put neurosurgical or</li> <li>17 true about other disciptines to some extent. I</li> <li>18 think we have probably an experience or</li> <li>19 disciptine bias in that regard. But, in essence,</li> <li>10 think the differential diagnosis of any</li> <li>11 stink my list is probably not as complete as the</li> <li>21 eother lists, and then you'll get a total</li> <li>21 be other lists, and then you'll get a total</li> <li>22 moyably an experience or</li> <li>23 think hit is is probably not as complete as the</li> <li>24 entire list. It's my list, and then there will</li> <li>24 entire list. It's my list, and then there will</li> <li>24 entire lists, and then you'll get a total</li> <li>24 or prior to 36 hours -</li> <li>35 ony. When she presented when?</li> <li>34 A. Semeanly when I'm asked 10 solok at</li> <li>35 ony. When she presented when?</li> <li>34 A. Burtons: Forty-seven. I'm sorty.</li> <li>35 ong september 4, 1996?</li> <li>36 A. Greanly when I'm asked 10 solok at</li> <li>36 neoralistic to void badder and howel</li> <li>41 aneurological mechanism, could be due to a</li> <li>36 ong september 4, 1996?</li> <li>36 A. Greanly when I'm asked 10 solok at</li> <li>36 neurological mechanism, could be due to a</li> <l< td=""><td>4 Q. Doctor, is there a different</td><td>4 Q. So as I understand it, there would be</td></l<></ul>	4 Q. Doctor, is there a different	4 Q. So as I understand it, there would be
7 diagnose cauda equina syndrome?       7 due to medication, 4 would be a mechanical         8 A. Well, I think that the answer to that       9 question is, we each have our personal biases,         10 based on our experience in our field of       9 A. Well, Ijust trying to think in a         11 endeavor, and while the listing or the list       11 sorts of problems. As a process.         12 probably should be the same for everyone, I       11 sorts of problems. As a process.         13 thirk it's fair to say, at least when you ask a       11 sorts of problems. As a process.         14 neurosurgeon about a list, he's probably going       15 to more likely than not to put neurosurgical or         15 thirk we have probably on experience or       10 thirk the differential diagnosis of any         11 complaint or syndrome should probably be the       12 some, albeit I may not know everything thatI         12 sit, and I would probably leave out, you know,       11 hirk the differential diagnosis list given the         2 what else you could for bably leave out, you know,       11 subra that regard. But, in essence,         1 be other lists, and then you'll get a total       2 oprior to 3 dhours         2 what else you could forbably be leave out, you know,       3 differential diagnosis list given the         3 someone with regard to bladder and bowel       4 Q. Flor tot 3 dhours         5 Q. With that in mind, Doctor, what would       9 make sure we're still staying on the same case. </td <td>5 differential diagnosis that would be made by</td> <td>5 four items on your differential. 1 would be</td>	5 differential diagnosis that would be made by	5 four items on your differential. 1 would be
8       A. Well, I think that the answer to that       9       A. Well, I tjust trying to think in a         9       used on our experience in our field of       10       nore generic sense as to what could cause those         11       endeavor, and while the listing or the list       10       nore generic sense as to what could cause those         12       probably should be the same for everyone, I       13       list;       14         13       thirk it's fair to say, at least when you ask a       14       A. Well, Ijust trying to think in a         14       neurosurgeon about a list, he's probably going       14       A. Well, T-makiy, I haven't really         15       to more likely than not to put neurosurgical or       15       hought about it that way because, again, I'm         16       for not a primary urological. The sure urologists       17       have probably an experience or         19       discipline bias in that regard. But, in essence,       16       18       but if 's' not an obscipical' meaning,         11       complain to syndrome should probably be the       18       but if 's' not an objacical''s - 1 don't fix how         13       thirk wh differential diagnosis of any       11       16       have merological process and it's not a         14       bott if its' and I would probably be the       2       obscart even have a bladd	6 different physicians who are qualified to	6 neurological, 2 would be urological, 3 would be
9 question is, we each have our personal biases, 10 based on our experience in our field of 11 endeavor, and while the listing or the list 12 probably should be the same for everyone, I       9 A. Well, Ijust trying to think in a         12 probably should be the same for everyone, I       11 ontroe generic sense as to what could cause those         13 think it's fair to say, at least whon you ask a       11 sits for to say, at least whon you ask a         14 neurosurgeon about a list, the's probably going       12 Q. Anything else that would be on your         13 think we have probably an experience or       19 think we have probably an experience or         19 discipline bias in that regard. But, in essence,       10 nore onplaint or syndrome should probably be the         12 same, albeit I may not know everything that I       13 bit?         13 think we have probably not as complet as the       10 nore onplaint or syndrome should probably be the         12 same, albeit I may not know everything thatI       13 doesn't even have a bladder. I mean, it could be         14 be other lists, and then you'll get a total       11 doubt that would be the case in a         11 st, and I would probably leave out, you know,       19 q. I doubt that would be the case in a         2 what hat in mind, Doctor, what would       2 37-year-old woman         3 sagma di symptoms Bonnie Pikkel had when she       2 37-year-old woman         3 someone with regard to bladder and bowel       4 Q. Prior to 36 hours	7 diagnose cauda equina syndrome?	7 due to medication, <b>4</b> would be a mechanical
10       based on our experience in our field of       10       more generic sense as to what could cause those         11       endeavor, and while the listing or the list       10       more generic sense as to what could cause those         12       probably should be the same for everyone, I       1       sorte of problems. As a process.         12       probably should be the same for everyone, I       13       strike y than not to put neurosurgical or         16       neurological issues ahead of others, and that's       14       A. Well, frankly, I haven't really         15       thirk heve probably an experience or       18       but if it's not an obstructive process and it's not a         19       thirk chifferential diagnosis of any       11       be not a physiological process - "physiological" meaning,         11       thirk my list is probably not as complete as the       14       a biz remetion, "neurological process - "physiological" meaning,         12       be other lists, and then you'll get a total       1       Q. I doubt that would be the case in a         2       same, abserterial diagnosis list given the       5       M. MALONE: I don't thirk she was 37.         5       Q. With that in mind, Doctor, what would       5       NR. MALONE: I don't thirk she was 37.         6       be on your differential diagnosis is give the       5       MR. MALONE: I don't thi	8 A. Well, I think that the answer to that	8 problem.
11 endeavor, and while the listing or the list       11 sorts of problems. As a process.         12 probably should be the same for everyone, I       11 sorts of problems. As a process.         13 thirk it's fair to say, at least when you ask a       11 sorts of problems. As a process.         14 neurosurgeon about a list, he's probably going       15 to more likely than not to put neurosurgical or to be neurological issues a head of others, and that's         15 neurological issues a head of others, and that's       16 not a primary urologist. I'm sure urologists         17 true about other disciplines to some extent. I       18 bit if it's not an obstructive process and it's         19 discipline bias in that regard. But, in essence,       19 not a physiological process and it's not a         10 eurological process - "physiological" meaning,       11 like, medication, "neurological" 1 don't know         12 same, albeit I may not know everything that1       11 be other lists, and then there will       12 doesn't even have a bladder. I mean, it could be         14 thirk its my list, and then there will       2 what else you could surmise unless the patient       3 doesn't even have a bladder. I mean, it could be         15 o g. With that in mind, Doctor, what would       6 be on your differential diagnosis is tigven the '''       9 Rat. LONE: I don't thirk she was 37.         16 on your differential diagnosis is tigven the '''       9 make sure we're still staying on the same case.         19 Q. On September 4, 1996?       9 MR	9 question is, we each have our personal biases,	9 A. Well, I just trying to think in a
12 probably should be the same for everyone, I       13 think it's fair to say, at least when you ask a         13 think it's fair to say, at least when you ask a       13 think it's fair to say, at least when you ask a         14 neurosurgeon about a list, he's probably going       15 thought about it that way because, again, I'm         15 to more likely than not to put neurosurgical or       16 neurological issues ahead of others, and that's         17 true about other disciplines to some extent. I       18 think we have probably an experience or         19 discipline bias in that regard. But, in essence,       17 have more ways of thinking about it. But if *-         11 complaint or syndrome should probably be the       18 think my list is probably not as complete as the         14 entire list. It's my list, and then there will       11 like, medication, "neurological" I don't know         12 on your differential diagnosis list given the       19 assamt sheep sensented when?         1 would probably leave out, you know,       3 A. I'm not aware of.         5 Q. With that in mind, Doctor, what would       6 heon your differential diagnosis list given the         7 MR. LINTON: Forty-seven. I want to         9 as at symptoms Bonnie Pikkel had when she         8 presented on September 4, 1996.         2 A. Generally when I'm asked to look at         3 someone with regard to bladder and bowel         4 aptronoin, it could be due to         9 natero	10 based on our experience in our field of	10 more generic sense as to what could cause those
<ul> <li>13 think it's fair to say, at least when you ask a</li> <li>14 neurosurgeon about a list, he's probably going</li> <li>15 to more likely than not to put neurosurgical or</li> <li>16 neurological issues ahead of others, and that's</li> <li>17 true about other disciplines to some extent. I</li> <li>18 think we have probably an experience or</li> <li>19 discipline bias in that regard. But, in essence,</li> <li>10 I think the differential diagnosis of any</li> <li>11 complaint or syndrome should probably be the</li> <li>12 same, abic I may not know everything thatI</li> <li>13 think my list is probably not as complete as the</li> <li>14 contre list, and then you'll get a total</li> <li>12 list, and I would probably leave out, you know,</li> <li>3 maybe there's a dermatologic reason for it that</li> <li>4 is not an obstructive process and it's not a</li> <li>2 some, abic I may not know everything thatI</li> <li>3 think my list is probably not as complete as the</li> <li>2 be other lists, and then you'll get a total</li> <li>2 list, and I would probably leave out, you know,</li> <li>3 maybe there's a dermatologic reason for it that</li> <li>4 be on your differential diagnosis list given the</li> <li>5 g. With that in mind, Doctor, what would</li> <li>6 be on soptember 4, 1996?</li> <li>3 A. Generally when I'm asked to look at</li> <li>3 someone with regard to bladder and bowel</li> <li>4 dysfunction, the question at least that I'm</li> <li>5 trying to address is on the basis of a</li> <li>6 neurological mechanism could be due to a</li> <li>a neurological mechanism or it could be due to a</li> <li>a neurological mechanism or it could be due to a</li> <li>a neurological mechanism or it could be due to a</li> <li>a neurological mechanism or it could be due to a</li> <li>a neurological mechanism or it could be due to a</li> <li>a neurological mechanism or it could be due to a</li> <li>a neurological mechanism or it could be due to</li> <li>a neurological mechanism or it could be due to</li> <li>a neurol</li></ul>	11 endeavor, and while the listing or the list	11 sorts of problems. As a process.
14 neurosurgeon about a list, he's probably going 15 to more likely than not to pur neurosurgical or 16 neurological issues abaed of others, and that's 17 true about other disciplines to some extent. I       14 A. Well, frankly, I haven't really 15 thought about it that way because, again, I'm 16 not a primary urologist. I'm sure urologists         17 true about other disciplines to some extent. I       16 not a primary urologist. I'm sure urologists         18 think we have probably an experience or 19 discipline bias in that regard. But, in essence, 10 think the differential diagnosis of any 11 complaint or syndrome should probably be the 12 same, albeit I may not know everything that I 13 think my list is probably not as complete as the 14 entire list. It's my list, and then there will       11 like, medication, "neurological" I don't know         12 be other lists, and then you'll get a total 1 list, and I would probably leave out, you know, 3 maybe there's a dermatologic reason for it that 4 I'm not aware of. 5 Q. With that in mind, Doctor, what would 6 be on your differential diagnosis list given the 7 signs and symptoms Bonnie Pikkel had when she 8 presented on September 4, 1996? 9 A. I think the given the I'm 9 A. Generally when I'm asked to look at 3 someone with regard to bladder and bowel 4 dysfunction, the question at least that I'm 5 trying to address is on the basis of a 5 unological mechanism could be due to 21 metrological mechanism could be due to 21 metrological mechanism or it could be due to 21 aneurological mechanism or it could be due to 21 metrological mechanism or it could be due to 21 aneurological mechanism or it could be due to 21 aneurologi	12 probably should be the same for everyone, I	12 Q. Anything else that would be on your
15 to more likely than not to put neurosurgical or       15 thought about it that way because, again, I'm         16 neurological issues ahead of others, and that's       17 true about other disciplines to some extent. I         18 think we have probably an experience or       18 but if it's not an obstructive process and it's         19 discipline bias in that regard. But, in essence,       10 I think the tre's a dermatologic reason for it that         11 complaint or syndrome should probably be the       13 think my list is probably not as complete as the         14 entire list. It's my list, and then there will       14 a bizarre situation, but         12 list, and I would probably leave out, you know,       3 maybe there's a dermatologic reason for it that         2 list, and I would probably leave out, you know,       3 maybe there's a dermatologic reason for it that         4 I'm not aware of.       2 Jorean-old woman         5 Q. With that in mind, Doctor, what would       5 MR. MALONE: I don't thirk she was 37.         6 be on your differential diagnosis list given the       5 MR. MALONE: I don't thirk she was 37.         7 Mark LITON: Forty-seven. I want to       9 make sure we're still staying on the same case.         8 someone with regard to bladder and bowel       4 Someone with regard to bladder and bowel         4 dysfunction, the question at least that I'm       14 Q. On your list the number one things on my list         9 neurological mechanism -r could be due to <td< td=""><td>13 think it's fair to say, at least when you ask a</td><td>13 list?</td></td<>	13 think it's fair to say, at least when you ask a	13 list?
16 neurological issues ahead of others, and that's       16 not a primary urologist. I'm sure urologists         17 true about other disciplines to some extent. I       16 not a primary urologist. I'm sure urologists         18 think we have probably an experience or       19 discipline bias in that regard. But, in essence,       10 not a physiological process and it's not a         10 I thirk the differential diagnosis of any       11 like, medication, "neurological" ~- I don't know         12 same, albeit I may not know everything that ~- I       13 thirk my list is probably not as complete as the         13 thirk my list is probably not as complete as the       13 doesn't even have a bladder. I mean, it could be         14 entire list. It's my list, and then there will       79 age 34         15 we other lists, and then you'll get a total       1 Q. I doubt that would be the case in a         2 list, and I would probably leave out, you know,       3 maybe there's a dermatologic reason Gorit that         4 I'm not aware of.       3 A. I'm not saying it is         5 g. Q. With that in mind, Doctor, what would       6 she was 47, wasn't she?         7 signs and symptoms Bonnie Pikkel had when she       7 MR. LNTON: Forty-seven. I'm sorry.         8 presented on September 4, 1996?       9 Mak sure w're still staying on the same case.         1 Q. On September 4, 1996.       10 MR. LNTON: Same case.         2 A. Generally when I'm asked to look at       3 oneurological mechanism -	14 neurosurgeon about a list, he's probably going	14 A. Well, frankly, I haven't really
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12 same, albeit I may not know everything that I       1         13 think my list is probably not as complete as the 14 entire list. It's my list, and then there will       12 what else you could surmise unless the patient 13 doesn't even have a bladder. I mean, it could be 14 a bizarre situation, but         Page 34       Page 34         1 be other lists, and then you'll get a total 2 list, and I would probably leave out, you know, 3 maybe there's a dermatologic reason Gorit that 4 I'm not aware of.       Page 34         2 With that in mind, Doctor, what would 6 be on your differential diagnosis list given the 7 signs and symptoms Bonnie Pikkel had when she 8 presented on September 4, 1996?       3 A. I'm not saying it is         9 A. I think the given the I'm       9 MR. MALONE: Forty-seven. I'm sorry.         9 A. Generally when I'm asked to look at 3 someone with regard to bladder and bowel       10 MR. LINTON. Forty-seven. I want to         9 opticial physiology issue or is it other 7 potential issues. So inability to void could be to 20 urological mechanism or it could be due to 21 medications, it could be due to 23 meyelf and for the patient and for the       12 this is and for the patient and for the	20 I think the differential diagnosis of any	20 neurological process "physiological" meaning,
13       think my list is probably not as complete as the 14 entire list. It's my list, and then there will       13       doesn't even have a bladder. I mean, it could be 14 a bizarre situation, but         Page 34       Page 34         1 be other lists, and then you'll get a total       1       Q. I doubt that would be the case in a         2 list, and I would probably leave out, you know, 3 maybe there's a dermatologic reason Gor it that       3       A. Tm not saying it is         4       I'm not aware of.       3       A. Tm not saying it is         5       Q. With that in mind, Doctor, what would       5       MR. MALONE: I don't thirk she was 37.         6 be on your differential diagnosis list given the 7 signs and symptoms Bonnie Pikkel had when she       7       MR. LINTON: Forty-seven. I'm sorry.         8 presented on September 4, 1996.       9       MALONE: Forty-seven. I'm sorry.       8         1 Q. On September 4, 1996.       10       MR. LINTON: Same case.       11       Q. Doctor, in your eyes, on the top of         2 A. Generally when I'm asked to look at 3 someone with regard to bladder and bowel       13       A. I'm sorry. Say again?         4 dysfunction, the question at least that I'm       14       Q. On your list the number one diagnosis       15       15       0 are incological mechanism - could be due to a         19       neurological mechanism - could be due to a       13	21 complaint or syndrome should probably be the	21 like, medication, "neurological" I don't know
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<ul> <li>6 be on your differential diagnosis list given the</li> <li>7 signs and symptoms Bonnie Pikkel had when she</li> <li>8 presented on September 4, 1996?</li> <li>9 A. I <i>think</i> the given the I'm</li> <li>9 Sorry. When she presented when?</li> <li>1 Q. On September 4, 1996.</li> <li>2 A. Generally when I'm asked to look at</li> <li>3 someone with regard to bladder and bowel</li> <li>4 dysfunction, the question at least that I'm</li> <li>5 trying to address is on the basis of a</li> <li>15 on a differential would be cauda equina</li> <li>5 neurological physiology issue or is it other</li> <li>7 potential issues. So inability to void could be</li> <li>8 a neurological mechanism could be due to</li> <li>19 neurological mechanism, could be due to</li> <li>10 urological mechanism, could be due to</li> <li>11 medications, it could be due to</li> <li>12 the list would be when I'm asked</li> <li>13 A. Well, that would be when I'm asked</li> <li>14 to see somebody with inability to void I'm</li> <li>15 looking for the number one things on my list</li> <li>10 are neurological issues, and whether it's a</li> <li>11 spinal cord syndrome or cauda equina syndrome,</li> <li>12 that's what I'm going to at least attempt for</li> <li>13 myself and for the patient and for the</li> </ul>	4 I'm not aware of.	4 Q. Prior to 36 hours
<ul> <li>7 signs and symptoms Bonnie Pikkel had when she</li> <li>8 presented on September 4, 1996?</li> <li>9 A. I <i>think</i> the given the I'm</li> <li>9 a. Generally when I'm asked to look at</li> <li>3 someone with regard to bladder and bowel</li> <li>4 dysfunction, the question at least that I'm</li> <li>5 trying to address is on the basis of a</li> <li>10 neurological physiology issue or is it other</li> <li>7 potential issues. So inability to void could be</li> <li>13 a neurological mechanism or it could be due to a</li> <li>14 nedications, it could be due to</li> <li>15 or a differential would be when I'm asked</li> <li>16 syndrome.</li> <li>17 A. Well, that would be when I'm asked</li> <li>18 to see somebody with inability to void I'm</li> <li>9 looking for the number one things on my list</li> <li>10 are neurological issues, and whether it's a</li> <li>11 medications, it could be due to</li> <li>12 that's what I'm going to at least attempt for</li> <li>13 will, bias, obviously, of neurological issues,</li> </ul>	5 Q. With that in mind, Doctor, what would	5 MR. MALONE: I don't thirk she was 37.
<ul> <li>8 presented on September 4, 1996?</li> <li>9 A. I <i>think</i> the given the I'm</li> <li>9 A. I <i>think</i> the given the I'm</li> <li>9 Sorry. When she presented when?</li> <li>1 Q. On September 4, 1996.</li> <li>2 A. Generally when I'm asked to look at</li> <li>3 someone with regard to bladder and bowel</li> <li>4 dysfunction, the question at least that I'm</li> <li>5 trying to address is on the basis of a</li> <li>16 neurological physiology issue or is it other</li> <li>7 potential issues. So inability to void could be</li> <li>17 A. Well, that would be when I'm asked</li> <li>18 to see somebody with inability to void I'm</li> <li>9 looking for the number one things on my list</li> <li>10 are neurological issues, and whether it's a</li> <li>11 spinal cord syndrome or cauda equina syndrome,</li> <li>12 that's what I'm going to at least attempt for</li> <li>13 myself and for the patient and for the</li> </ul>	6 be on your differential diagnosis list given the	6 She was 47, wasn't she?
<ul> <li>9 A. I <i>think</i> the given the I'm</li> <li>9 make sure we're still staying on the same case.</li> <li>1 Q. On September 4, 1996.</li> <li>2 A. Generally when I'm asked to look at</li> <li>3 someone with regard to bladder and bowel</li> <li>4 dysfunction, the question at least that I'm</li> <li>5 trying to address is on the basis of a</li> <li>6 neurological physiology issue or is it other</li> <li>7 potential issues. So inability to void could be</li> <li>8 a neurological mechanism could be due to</li> <li>9 neurological mechanism, could be due to</li> <li>9 neurological mechanism, could be due to</li> <li>10 MR. LINTON: Same case.</li> <li>11 Q. Doctor, in your eyes, on the top of</li> <li>12 the list would have been cauda equina syndrome?</li> <li>13 A. I'm sorry. Say again?</li> <li>14 Q. On your list the number one diagnosis</li> <li>15 on a differential would be cauda equina</li> <li>16 syndrome.</li> <li>17 A. Well, that would be when I'm asked</li> <li>18 to see somebody with inability to void I'm</li> <li>9 looking for the number one things on my list</li> <li>10 are neurological issues, and whether it's a</li> <li>11 ginal cord syndrome or cauda equina syndrome,</li> <li>12 that's what I'm going to at least attempt for</li> <li>13 myself and for the patient and for the</li> </ul>	7 signs and symptoms Bonnie Pikkel had when she	7 MR. LINTON: Forty-seven. I'm sorry.
<ul> <li>o sorry. When she presented when?</li> <li>Q. On September 4, 1996.</li> <li>A. Generally when I'm asked to look at</li> <li>3 someone with regard to bladder and bowel</li> <li>4 dysfunction, the question at least that I'm</li> <li>5 trying to address is on the basis of a</li> <li>6 neurological physiology issue or is it other</li> <li>7 potential issues. So inability to void could be</li> <li>8 a neurological mechanism or it could be due to</li> <li>9 neurological mechanism, could be due to</li> <li>10 MR. LINTON: Same case.</li> <li>11 Q. Doctor, in your eyes, on the top of</li> <li>13 A. I'm sorry. Say again?</li> <li>14 Q. On your list the number one diagnosis</li> <li>15 on a differential would be cauda equina</li> <li>16 syndrome.</li> <li>17 A. Well, that would be when I'm asked</li> <li>18 to see somebody with inability to void I'm</li> <li>9 looking for the number one things on my list</li> <li>10 are neurological issues, and whether it's a</li> <li>11 gpinal cord syndrome or cauda equina syndrome,</li> <li>17 the swhat I'm going to at least attempt for</li> <li>18 to see somebody with I'm asked</li> </ul>		•
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<ol> <li>medications, it could be due to mechanical</li> <li>issues. Again, I bring to the table, if you</li> <li>that's what I'm going to at least attempt for</li> <li>will, bias, obviously, of neurological issues,</li> <li>myself and for the patient and for the</li> </ol>	-	•
<ul> <li>22 issues. Again, I bring to the table, if you</li> <li>23 vvill, bias, obviously, of neurological issues,</li> <li>24 that's what I'm going to at least attempt for</li> <li>25 myself and for the patient and for the</li> </ul>	<b>C</b>	•
<sup>23</sup> will, bias, obviously, of neurological issues, <sup>23</sup> myself and for the patient and for the		
4 and I may or may not, through my own assessment, 4 requesting physician to determine as best I can.		•
	r <sup>4</sup> and I may or may not, through my own assessment,	4 requesting physician to determine as best I can.

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Page 33 - Page 36

PIKKEL V ZANNETTI	Condense	EIt!™	B. BLUMENKOPF, 3/27/
]	Page 3'		Page
1 Q. So you're going to see if there is		can use that to y	our exam benefit by testing
2 something going on in the spinal cord or in the	2 r	eflexes.	
3 nerve roots that are interfering with bladder	3	Q. How do y	ou do that?
4 function.	4	A. In a woma	an you would just pull on the
5 A. <b>On</b> the basis of my ability to examine	5 C	catheter and see	if she has a rectal reflex.
6 the nervous system and try to put all the pieces	6	Q. What wou	ld you do to check for
7 together, so to speak.	7 p	perineal numbne	ess?
8 Q. And assuming she is your patient and	8	A. Well, I do	n't check for perineal
9 presents with an inability to void for 26 hours			ck for the intactness, if you
10 following chiropractic manipulation, what do you	10 v	will, of perineal	sensation. And that could be
11 do to test her to see if there is a neurological			ald be generally to pin-prick,
12 basis for this?			sensation. I <i>think</i> that's
13 A. Well, I generally would do a	Ũ	•	ne limits oneself to. So I would
14 neurologic exam, which would include as part of,	•	•	ilely examine the patient and
15 I think, the neurologic exam, a rectal exam.		• •	ive that as anything abnormal,
16 Q. And is that a difficult examination			eck their perception of
17 to do?	-	-	s sharpness, and certainly
18 A. It's not difficult for me to do, no.			reas that don't seem to be
19 Q. Does it take a lot of time?		•	ed by any stretch of the
20 MR. MALONE: Would you like him to do		magination.	
21 one on you? He can show you.	21		fficult examination for
22 A. Well, I think that in my hands at	-	ou to do?	dalt think that a
23 least I could do what I would think is a	23	A. NO, I WOUL	ldn't think that's
24 competent exam in 15 minutes, and if I was			
	Page 38	O Harritana	Page 4
<ol> <li>finding things that I was concerned about I may</li> <li>have to extend that another ten, 15 minutes just</li> </ol>		Q. How long	
3 because if things are normal you can exclude a		-	n, if you start finding
4 lot of things. If you start finding		-	a may have to expand upon it couple, five minutes for a
5 abnormalities there may be additional exam		•	brobably a reasonable ballpark
6 findings you may want to pursue. But I <i>think</i> as		• •	s sensory exam such as that.
7 part of a I <b>think</b> I can do a reasonably	7	-	you first learn how to do a
8 thorough exam to rule in or rule out a			ation to check for sensation in
<ul><li>9 neurological issue within maybe a 15-minutetime</li></ul>	-	e perineal area?	
0 frame, and then extend that if I need to.	0	1	h't have a specific date of
1 Q. Are you talking now total exam or			erally in medical school you do
2 time for a rectal exam?			s, which includes the physical
3 A. I'm talking about total exam. Rectal	-	• •	nk at the end of your second
4 exam			're preparing for your third
5 Q. How long would the rectal exam take?	-	ear clerkship.	···· · · · · · · · · · · · · · · · · ·
5 A. I mean, you know, probably a couple	5	*	ıld have known back in
7 of minutes. Just getting the people involved and	17 m		w to do a routine examination
3 doing it and			ncluded a rectal as well as a
$\rightarrow$ Q. What you'd be looking for in that			on of the perineal area.
) couple of minutes would be whether there was	20	-	ay, that's when you're
L rectal tone?	21 ins		do it. You may perfect your
2 A. Well, you can test rectal tone and			time, but that was, I think,
you can test the rectal reflexes. This lady at			ion to physical examination.
some point did have a catheterization, and one	4	Q. It would be	fair to say all medical

Page 37 - Page 40

PI	KKEL V ZANNETTI	Conder	selt!	B. BLUMENKOPF, 3/27/
	F	Page 41		Page
1	doctors would be trained by the time they	- (	1 you kn	bw, shortly immediately after that.
2	finished medical school in how to do a routine		•	What specifically caused the
3	examination that would include a rectal exam for		3 inconti	nence in Bonnie Pikkel's case?
4	rectal tone and a pin-prick sensation to see if		4 <b>A.</b> 5	She had loss of nerve input to her
5	there was the presence or absence of numbness in		5 bladder	*
6	the perineal area. Would that be fair?		6 Q. <b>(</b>	Causedbywhat?
7	A. I think that's reasonable, yes.			Caused by the compression on those
8	Q. Can you define perineal numbness?			bots that go to the bladder.
9	A. Well, the perineum is the area of the			What specifically was compressing
JO	body between, say, the or encompassing the	1		<b>rt</b> of the nerve?
11	area around the rectum and then between the	1	1 A. I	think the big ruptured disc
12	rectum, in a woman, the vaginal area, and then I	1		nt was compressing the nerve root.
	guess the area around the vagina.		-	Do you know how much of the nerve
:14		1		at go to the bladder were being impinged
115	area, sometimes referred to as the saddle area			large disc fragment?
116	or saddle numbness?			don't know what you mean by "how
117	A. I think that's the colloquial	.1	7 much".	5
18	expression for it, yes.	11	8 O. I	s there any way that you can
19		1		ne how large of an area of nerve root was
	diagnosis, then, of cauda equina syndrome?			ompressed by the disc fragment?
21	A. Well, I mean, I <b>think</b> that depends on	2	-	Vell, no, I don't thirk it doesn't
1	what your perspective is. There's a clinical			mean, a nerve is a fiber, and a fiber
	impression and then there's looking for	23		s to be functionally disrupted at a point
	structural pathology. As a neurosurgeon, you	24	•	sfunctional. What I do know is, in order
	p	age <b>42</b>		Page 4
1	know, we're limited to structural pathology	-	for the l	bladder to be dysfunctionalit generally
	generally, so that once we arrive upon a	1		a bilateral involvement, meaning both
,	clinical impression we then choose to evaluate		-	nd it generally requires more than one
	for structural pathology, and I think that its			ot involved level. So that I think I can
	presence, then, may involve us. Its absence			om the fact that she has a large disc,
	would certainly exclude us. But the clinical			level of that rupture, and the fact that
	diagnosis of clinical syndrome I base upon, you			this retention, that it's involving both
	know, somewhat the history, the complaints and			the nerves on both sides and at more
	the exam. The depiction of structural pathology,			e level, but it doesn't require a
	generally nowadays we rely upon the MRI scan. So			inal I don't <i>think</i> of it as a
	generally that's definitive. If it's not, then		-	inal expanse along the nerve because
	we may pursue other investigative studies.		•	you could make a knife cut and the nerve
3	Q. In this case the MRI that was taken			sing to be functional, but it has to be,
-	did show the compression of the nerve roots?		-	ind, bilateral and multiple level to
5	<b>A.</b> By the report, by Dr. Bell's notes		-	loss of bladder function.
	and the report, yes.	16		ell us what specific level, at what
7	Q. In your opinion, would that			portions Bonnie Pikkel's the nerve
1	compression have existed since the onset of		-	ervating her bladder were being
	symptoms? Since at least the onset of symptoms,			
	if not earlier?	19	I	
20 21	A. I think this was a very rather	20		fell, my understanding is, to lose
	acute symptom, or acute incident, so I			function you have to involve the S2
	interpreted the whole episode to when the onset			aterally. That if you have intactness
	of symptoms, like during the manipulation or,			one side you should not lose bladder So you should have absence of S2
24	<i>s</i> symptoms, nec during the manipulation of,	;4	runction	So you should have absence of S2

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Page 41 - Page 44

# PIKKEL V ZANNETTI

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PIKKEL V ZANNETTI Conc	B. BLUMENKOPF, 3/27/
Page 4:	Page
1 bilaterally and, in general, absence of S2	1 don't know what side the numbness is on, I don't
2 bilaterally you lose bladder control. It may	2 know how extensive the numbness is. It doesn't
3 also require, you know, <b>3</b> , but generally 3	3 necessarily even require nerve compression.
4 alone, 4 alone you don't lose bladder control. 2	4 People sit on will tell you they sit on
5 you lose bladder control. 1, you will not lose	5 themselves for a long time and they get
6 bladder control. It's usually S2, is the key	6 numbness, so
7 level, and it has to be bilateral.	7 Q. In Bonnie Pikkel's case do you
8 Q. So it would be your assumption in	8 believe the compression that was causing the
9 this case that the free fragment was compressing	9 bladder incontinence most probably also caused
10 the S2 nerve root bilaterally.	10 the perineal numbness?
11 A. Free fragment or fragments. I mean,	11 A. Yes, I <i>think</i> you know, putting it
12 it may not just be one I don't know his	12 all together, certainly.
13 actual description, but it's •• the compression	13 Q. And that both the perineal numbness
14 requires it was a requisite that both sides	14 and the bladder incontinence would have begun at
15 were compressed.	15 the time of compression.
16 Q. When did the compression occur?	16 A. No, I didn't say that. I <b>think</b> I
17 A. When the disc herniated, and I	17 know the time of onset of the bladder
18 believe the disc herniated at the time of the	18 difficulty, that's documented, you know, in a
19 manipulation.	19 statement in the records. The numbress may have,
20 Q. What is the basis for that belief'?	20 to some degree, pre-dated it or may have
21 A. Which belief?	21 pre-timed it or come on a little afterwards. I
22 Q. That the compression began at the	22 don't know.
23 time of manipulation?	13 <i>Q</i> . So
<sup>24</sup> A. That's when the symptoms developed.	A. I don't recall. I'd have to see if
Page 4(	Page 4
1 Q. What symptoms?	1 there's a reference to that timing. But the
2 A. The retention, primarily.	2 the numbress I would put together with all of
3 Q. Is it your belief that the perineal	3 that. I don't recall the exact but it is a
4 numbress would have began at the same time?	4 statement as to the onset of that.
5 A. It's generally it could generally	5 Q. Just from a mechanical and
6 be coincident with that, yes.	6 neurosurgical standpoint, wouldn't you have them
7 Q. Iwantto be	7 beginning at the same time? Isn't that the more
8 A. Certainly I think that the bladder	8 reasonable explanation for perineal numbness
9 retention is documented with a time onset, to my	9 and incontinence in a woman with cauda equina
0 knowledge, and that's that clearly, to me,	0 syndrome like Bonnie Pikkel?
1 required both nerves involved to a significant	1 A. Well, I think that's a reasonable
2 degree, and numbress alone could have been	2 assumption. The question is, does the patient
3 pre-dating that. Numbress alone could be a	3 recognize it as being of simultaneous onset,
4 little difficult to recognize on some patients'	4 because, again, one is somewhat more is a
5 parts, but clearly the retention at 26 hours or	5 sensory thing, the other <b>thing</b> is, obviously, a
5 the onset of that retention suggests to me	6 very obvious motor problem, and they may or may
7 that's when those nerve roots became	7 not recognize that they have numbress. I would
3 functionally impaired.	8 recognize it on an examination. A lot of people
3 Q. What's required in the way of	9 don't recognize the numbress or the loss of
) compression to cause perineal numbness?	I sensation that they actually have until you
A. What's required some element of	1 examine them. So
2 compression.	2 Q. That's why it's important to conduct
3 Q. At what level?	3 a physical examination of somebody presenting
• A. It could be variable, because I	4 with cauda equina syndrome symptoms like Bonnie

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Page 45 - Page 48

PIKKEL V ZANNETTI	Conden	seIt!	B. BLUMENKOPF, 3	<u>3/27/(</u>
	Page 4:			Page 5
1 Pikkel did on September 4, 1996, correct?	-	1 Q. W	ould you agree that cauda equina	U
2 <b>A.</b> I think it's always important to do a			ne is a medical emergency?	
3 physical examination.			depends on the context of the	
4 Q. Because the patient may not		4 presenta	ition.	
5 subjectively be able to feel whether they still		5 Q. Ir	the context of Bonnie Pikkel's	
6 have numbness or whether their numbness		6 presenta	tion?	
7 persists.		7 A. I	think it's an acute presentation	
8 A. Well, I thirk I already stated that.	8	8 which re	presents, you know, medical/surgical	
9 Q. correct?	9	9 emergen	icy.	
10 A. Correct. Mm-hmm.	1	0 Q. Se	o in your opinion it's both a	
11 Q. What symptoms would you expect to	11	1 diagnost	tic emergency as well as a surgical	
12 have developed with the disc herniation that	12	2 emergen	cy?	
13 Bonnie Pikkel had causing her cauda equina	1.	3 M	R. MALONE: He said if it's an acute	
14 syndrome?	14	4 presenta	tion.	
15 MR. ROSMAN: Could you give that	1:	5 Q. In	Bonnie Pikkel's case this is acute	
16 question over again?	10	6 cauda ec	uina syndrome, isn't it?	
17 MR. LINTON: Sure.	17	7 A. Y	es.	
18 Do you want to read that back,	18	3 Q. A.	nd is that both a diagnostic	
19 please?	19	emergen	cy as well as a surgical emergency?	
20 (Record read.)	20	A. Y	ou mean that it should be diagnosed	
21 A. What symptoms would I expect her to	21	with a	s in an emergency fashion?	
22 have or what did she have?	22	2 Q. Y	es.	
23 Q. Start, first of all, what would you	23	A. Is	that what you mean by a diagnostic	
24 expect her to have?	24	emergen	cy?	
H	Page <b>£</b>			Page 5
1 A. I thirk one of the things I would	1	0. Ye	es, sir.	
2 have expected for her to have is a lot of back	2	-	n not familiar with that term.	
3 pain, or acute, severe back pain.	3	Y	es.	
4 Q. And is that something that can	4	Q. In	fact, you noted in this case the	
5 resolve or remains?	5		ordered emergently?	
6 A. I would generally thirk that would be	6		was ordered through the emergency	
7 very persistent.	7		ah and done pursuant to that request.	
8 Q. Okay. What else besides persistent	8		nd Dr. Bell's surgery was likewise	
9 back pain?			ed as emergency surgery.	
0 A. For the level of this, I think then	10	-		
1 the main things you look as far as symptoms,	11		hat would be the expected outcome in	
2 are the bladder and, you know, potentially bowel	12		like Bonnie Pikkel if she did not have	
3 complaints and possibly leg pain complaints.	1	-	ery with her following her cauda	
4 Q. Okay. And perineal numbness?	1	equina sy	•	
5 A. Well, then the numbress would be a	15		hirk she would have permanent	
6 complaint potentially, so that they could have.			ical deficit of the nature she presented	
7 Q. Anything else?		with.		
8 A. I mean, it's possible they complain	18		d that being loss of bowel and	
9 of difficulty walking either secondary to their	19		permanent perineal numbness, loss of	
<ul> <li>pain but the main you know, that would be</li> </ul>	20		-	
1 the main complaints, would be back pain,	21		n not sure what do you mean by	
2 potentially leg pain as complaints, the	22	"sexual fu		
23 difficulty that they recognize with the bladder,	23		ility to have orgasm, engage in	
24 potentially some numbress around the buttocks.	1		tivity because of perineal numbness in	
MCCAPTHY DEPOPTING GEDITCE			Page 40 - P	

Page 49 - Page 52

PIKKEL V ZANNETTI	CondenseIt! <sup>TM</sup> B. BLUMENKOPF, 3/2	27/(
	Page 53 Pa	age :
1 the vaginal area.	1 that about that, except what is that she	
2 A. I'm not aware - I don't know about	2 was found to have chronic cystitis, and I just	
3 the orgasm part. I don't really know much abou	t 3 I guess I was speculating in my own mind was	
4 the physiology of the female orgasm. I	4 there any could this have been pre-existing.	
5 understand the male orgasm and erection. I don'	't 5 Q. And it was just a speculation?	
6 know about the female orgasm.	6 <b>A.</b> Yes.	
7 The difficulties that I've understood	7 Q. Your opinion with reasonable medical	
8 in women With cauda equina syndrome or defic	1 7 1	
9 thereof with regard to sexual function are	9 bladder incontinence is due to her cauda equina	
10 generally at least related to me as due to the	10 syndrome.	
11 difficulties with the social interaction from	11 <b>A.</b> Yes.	
12 stool and stooling and that sort of thing. I	12 Q. And you also agree With reasonable	
13 don't know the physiology of the female orgasm	· ·	
14 Q. You're not familiar with the	14 conditions.	
15 literature that reports loss of sexual function	15 A. At this point in time, you mean?	
16 due to cauda equina syndrome in a female?	16 Q. Yes, sir.	
A. No, I'm familiar with that as a	17 MR. MALONE: He's never examined the	
18 problem. I don't know I'm not familiar with	18 patient. We have no idea how she's doing today.	
19 it being specifically addressing the female	<b>19 A.</b> I don't have any records of that. If	
20 orgasm.	20 the documentation is that it's still present	
21 Q. Just so we can go back, in terms of	21 now, you know, four, five years subsequent, I	
22 if Bonnie Pikkel never has surgery, in your	22 would believe it's permanent.	
23 opinion she's going to have permanent bowel an	· · ·	
24 bladder dysfunction and permanent perineal	24 expect there to be a recovery? Up to what point	****
	-	.ge 5
1 numbness, correct?	1 in time?	
2 A. Correct. And as far as sexual	2 A. Well, that's difficult for me you	
3 dysfunction, yes, but I don't know in that	3 know, I <i>think</i> certainly by a year or two if	
4 purely an orgasm	4 there's no recovery it's unlikely. Anytime you	
5 Q. Is mechanical or secondary to the 6 incontinence.	5 start seeing recovery it will probably continue	
	6 for some time, but I don't <i>thirk</i> I have anything	
7 A. Imean, I right.	7 beyond there may have been something later. I	
8 Q. By the way, in terms of your review,	8 don't I don't recall. But I have no reason to	
9 you also reviewed Dr. Spaner's deposition, is	9 doubt that this could be, you know, a permanent	
10 that right? 11 A. Yes.	10 thing. This letter from Dr. Bell is 1999. He 11 references	
1 A. Yes.	12 Q. He states it's permanent. Would you	
2 O Did you review only other demonstration -0		
	- · ·	
13 A. No.	13 have any reason to dispute that?	
<ul><li>A. No.</li><li>Q. I'm looking at the report of</li></ul>	<ul><li>13 have any reason to dispute that?</li><li>14 A. No.</li></ul>	
A. No. Q. I'm looking at the report of 5 operation by Dr. Kondray, K-o-n-d-r-a-y, dated	<ul> <li>13 have any reason to dispute that?</li> <li>14 A. No.</li> <li>15 Q. In fact, in your report didn't you</li> </ul>	
<ul> <li>A. No.</li> <li>Q. I'm looking at the report of</li> <li>operation by Dr. Kondray, K-o-n-d-r-a-y, dated</li> <li>9/27/96, again a green stick-urn. That says what?</li> </ul>	<ul> <li>13 have any reason to dispute that?</li> <li>14 A. No.</li> <li>15 Q. In fact, in your report didn't you</li> <li>16 say that a compression resulted in permanent</li> </ul>	
<ul> <li>A. No.</li> <li>Q. I'm looking at the report of</li> <li>5 operation by Dr. Kondray, K-o-n-d-r-a-y, dated</li> <li>6 9/27/96, again a green stick-urn. That says what?</li> <li>A. "Could cystitis have been</li> </ul>	<ul> <li>13 have any reason to dispute that?</li> <li>14 A. No.</li> <li>15 Q. In fact, in your report didn't you</li> <li>16 say that a compression resulted in permanent</li> <li>17 neurological deficits of incontinence and</li> </ul>	
<ul> <li>A. No.</li> <li>Q. I'm looking at the report of</li> <li>operation by Dr. Kondray, K-o-n-d-r-a-y, dated</li> <li>9/27/96, again a green stick-urn. That says what?</li> <li>A. "Could cystitis have been</li> <li>pre-existing? Chronic suggests perhaps greater</li> </ul>	<ul> <li>13 have any reason to dispute that?</li> <li>14 A. No.</li> <li>15 Q. In fact, in your report didn't you</li> <li>16 say that a compression resulted in permanent</li> <li>17 neurological deficits of incontinence and</li> <li>18 perineal numbness?</li> </ul>	
<ul> <li>A. No.</li> <li>Q. I'm looking at the report of</li> <li>5 operation by Dr. Kondray, K-o-n-d-r-a-y, dated</li> <li>9/27/96, again a green stick-urn. That says what?</li> <li>A. "Could cystitis have been</li> <li>8 pre-existing? Chronic suggests perhaps greater</li> <li>9 than three and a half weeks. 9/3 to 9/27."</li> </ul>	<ul> <li>13 have any reason to dispute that?</li> <li>14 A. No.</li> <li>15 Q. In fact, in your report didn't you</li> <li>16 say that a compression resulted in permanent</li> <li>17 neurological deficits of incontinence and</li> <li>18 perineal numbness?</li> <li>19 A. Right, based on his report, not any</li> </ul>	
<ul> <li>A. No.</li> <li>Q. I'm looking at the report of</li> <li>operation by Dr. Kondray, K-o-n-d-r-a-y, dated</li> <li>9/27/96, again a green stick-urn. That says what?</li> <li>A. "Could cystitis have been</li> <li>pre-existing? Chronic suggests perhaps greater</li> <li>than three and a half weeks. 9/3 to 9/27."</li> <li>Q. You're not able to state with</li> </ul>	<ul> <li>13 have any reason to dispute that?</li> <li>14 A. No.</li> <li>15 Q. In fact, in your report didn't you</li> <li>16 say that a compression resulted in permanent</li> <li>17 neurological deficits of incontinence and</li> <li>18 perineal numbness?</li> <li>19 A. Right, based on his report, not any</li> <li>20 independent records on it.</li> </ul>	
<ul> <li>A. No.</li> <li>Q. I'm looking at the report of</li> <li>operation by Dr. Kondray, K-o-n-d-r-a-y, dated</li> <li>9/27/96, again a green stick-urn. That says what?</li> <li>A. "Could cystitis have been</li> <li>pre-existing? Chronic suggests perhaps greater</li> <li>than three and a half weeks. 9/3 to 9/27."</li> <li>Q. You're not able to state with</li> <li>reasonable medical probability that that was a</li> </ul>	<ul> <li>13 have any reason to dispute that?</li> <li>14 A. No.</li> <li>15 Q. In fact, in your report didn't you</li> <li>16 say that a compression resulted in permanent</li> <li>17 neurological deficits of incontinence and</li> <li>18 perineal numbness?</li> <li>19 A. Right, based on his report, not any</li> <li>20 independent records on it.</li> <li>21 Q. Right. And you would agree you</li> </ul>	
<ul> <li>A. No.</li> <li>Q. I'm looking at the report of</li> <li>operation by Dr. Kondray, K-o-n-d-r-a-y, dated</li> <li>9/27/96, again a green stick-urn. That says what?</li> <li>A. "Could cystitis have been</li> <li>pre-existing? Chronic suggests perhaps greater</li> <li>than three and a half weeks. 9/3 to 9/27."</li> <li>Q. You're not able to state with</li> <li>reasonable medical probability that that was a</li> <li>pre-existing condition that caused or aggravated</li> </ul>	<ul> <li>13 have any reason to dispute that?</li> <li>14 A. No.</li> <li>15 Q. In fact, in your report didn't you</li> <li>16 say that a compression resulted in permanent</li> <li>17 neurological deficits of incontinence and</li> <li>18 perineal numbness?</li> <li>19 A. Right, based on his report, not any</li> <li>20 independent records on it.</li> <li>21 Q. Right. And you would agree you</li> <li>22 would not disagree with Dr. Bell's finding that</li> </ul>	
<ul> <li>A. No.</li> <li>Q. I'm looking at the report of</li> <li>operation by Dr. Kondray, K-o-n-d-r-a-y, dated</li> <li>9/27/96, again a green stick-urn. That says what?</li> <li>A. "Could cystitis have been</li> <li>pre-existing? Chronic suggests perhaps greater</li> <li>than three and a half weeks. 9/3 to 9/27."</li> </ul>	<ul> <li>13 have any reason to dispute that?</li> <li>14 A. No.</li> <li>15 Q. In fact, in your report didn't you</li> <li>16 say that a compression resulted in permanent</li> <li>17 neurological deficits of incontinence and</li> <li>18 perineal numbness?</li> <li>19 A. Right, based on his report, not any</li> <li>20 independent records on it.</li> <li>21 Q. Right. And you would agree you</li> </ul>	

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Page 53 - Page 56

PIKK	Conc	dens	B. BLUMENKOPF, 3/27/
,	Page <b>5</b>	7	Page
1	Q. Bid you perform any literature search		1 talking about textbooks, you're not talking
2 in	connection with this case?	2	2 about literature. You're talking about specific
3	A, I think you asked that previously. I	3	3 publications that would be generated addressing
4 sa	idno.	4	4 cauda equina syndrome.
5	Q. Did you review any textbooks or any	5	5 A. Like I say, there are different types
6 me	edical publications of any kind in connection	6	6 of publications. There are review articles,
7 wi	th this case?	7	7 there are, you know what we call new
8	A. No.	8	8 contributions types things. I don't have any
9	Q. Are you familiar with any specific	9	9 specific citation I could give you, but
10 me	edical textbooks that address the diagnosis and	10	0 generally cauda equina syndrome could be
11 tre	atment of cauda equina syndrome?	11	1 discussed in the context of a review article in
12	A. I'm sure, you know, all the standard	12	2 a primary source journal or it could be
113 net	urosurgical texts, neurological texts,	13	3 discussed as a symptom complex in the context of
J14 pro	bably urological texts.	.14	4 other issues that are being published or
15	Q. Which standard neurosurgical texts	:15	5 presented.
16 wo	ould you expect to address the issue?	.16	6 Q. What neurosurgical journals do you
117	A. There are many. The most common ones	:17	7 subscribe to?
18 nov	waday are, there's a multi-volume by Youmans.	18	A. Journal called "Neurosurgery" and
19 I d	lon't even know who the current editor is.	19	9 then "The Journal of Neurosurgery". Those are
20 Th	ere's a multi-volume by Wilkins & Rengacherry	20	0 the two that I more regularly relate to.
21 tha	tt I'm sure reference that. There's some	21	Q. Has the standard of care in terms of
22 net	urological neurology books. I don't use	22	2 the diagnosis and treatment for cauda equina
23 I fr	rankly don't use those much any longer. I'd	23	<sup>3</sup> syndrome changed during the time in which you
24 be	talking about things that I used when I was	24	4 have been practicing neurosurgery?
	Page 58	3	Page 6
1 in t	training and in school.	1	A. Well, it has insofar as the
2	Q. Do you	2	2 technology has changed in that time frame. You
3	A. They all reference those things.	3	3 know, it's it's whether you eat on paper
4 (	Q. What neurosurgical literature do you	4	4 plates, glass plates or china, it's still a
5 sub	oscribe to that you would expect would address	5	5 plate, so we still go to an investigative study,
6 cau	ida equina syndrome and the treatment of cauda	6	5 but I go back to the era of myelography, then we
7 equ	iina syndrome?	7	7 had CT myelography, and now we have MRI scans,
8 4	A. Well, I generally now, you know,	8	<sup>3</sup> so I <i>think</i> the standard of care changes or is
9 rela	ate to primary source, meaning new	9	influenced by the technological changes, too,
10 pub	blications. That syndrome or that problem will	10	) but the fundamentals I don't believe change very
11 be a	addressed insofar as some publication that is	11	much.
1	king at something that it's part of. Maybe	12	Q. The fundamentals in terms of making a
1	asionally they'll have a review article on	13	clinical diagnosis haven't changed, have they?
1	subject, but in general primary sources is	14	A. No, the fundamentals of making a
15 lool	king at other things of which this might be	15	clinical diagnosis addressing whether there's
	of the symptoms, complexes in the patient		5 structural pathology and then dealing with it
1	sentations.		
18 0	2. Do you have any medical publications		
	t you know of that would address that, that		
1	e of cauda equina syndrome?	20	Q. And you have been a practicing
21	MR. MALONE: You mean that he's	21 1	neurosurgeon since when?
22 writ	tten, Bob? Are you asking about his	22	-
	lications?	23 1	maybe "practicing", but I've been doing
-	2. As I understand it, you're not		neurosurgery, from my training, now, it's going
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Page 57 - Page 60

PIKKEL V ZANNETTI	CondenseIt! <sup>TM</sup>	B. BLUMENKOPF, 3/27/
	Page 61	Page
1 on 25 years.	-	What is required to keep your
2 Q. And you're measuring that 25 years	2 license?	?
3 going back to when?		They have a minimum number of hours.
4 A. Myresidency.		it's a hundred total and 40 Category 1,
5 Q. When was it you were an independently		ed, and I think it's in the interval of
6 practicing neurosurgeon?	6 renewal	l, which is either two or three years.
7 A. I completed my residency, I guess is	7 Q. A	And who is it that keeps track of
8 what you're asking, in 1983, so it's almost 18		AE requirements? Does your secretary do
9 years. A long time.	9 that?	-
10 Q. Time flies?	10 A. W	Vell, the state doesn't have any
11 MR. ROSMAN: That's about as long as		ment that you produce documentation.
12 you've been practicing law, Bob, isn't it?	-	lly when you go to meetings they send you
Q. Doctor, we've marked as Exhibit		tle slips. I just keep those slips. I
14 number 1 your CV. Is that a current copy of your		ive them to anybody.
15 CV?	U U	Do you have a file that would have
16 A. I think it's reasonable it's		Æ course requirements showing that, in
17 current with regard to the information.	-	u attended various courses to maintain
8 Q. Is there anything that needs to be	18 your cer	
9 added to that to make it current, or anything		Aaintain my licensure, you're saying?
20 taken off of it?	20 Q. Y	
A. I I mean, the best answer to that	-	m sorry. Say that again?
2 is, I print the one that's in the computer now,		Do you have a file that would keep a
<sup>13</sup> and if there's any differences, those would be		of the courses you attended to keep your
4 the changes.	?4 license?	• • • • • •
	Page 62	Page 64
1 Q. To the best of your knowledge		have a file I put those papers in.
2 A. I mean, the substance is the same.	2 Itjust sa	ays, "You attended such and such a
3 Q. Who are you presently employed by?	-	" and how many hours it was, but I know
4 A. We have what's called a I forget		e standpoint of the requirements, that I
5 a split employment. The University of	•	exceed that, so I really don't and I'm
6 Massachusetts Medical School, and what's called		ed the licensure doesn't ask that you
7 UMass Memorial Health Care. One is, obviously,	7 provide /	that documentation, so I really haven't
8 the school. The other is a health system	8 kept any	kind of annotation or record of that. I
9 corporate, so we get two checks, two W-2s, that	- ·	d of throw them in a file.
0 sort of thing,	-	ave you attended any CME courses
1 Q. You're currently licensed to practice	1 that addr	ress cauda equina syndrome?
2 neurosurgery in the state of Massachusetts?		m sure in the context of the
3 A. I'm licensed to practice medicine in	3 proceedir	ngs of the meetings that I've gone to
4 the state of Massachusetts. You're not licensed	4 someone	e may have been discussing that. I don't
5 in a specific sub-specialty or specialty.		nat time frame you're talking about, but
5 Q. But you are board-certified in		point I'm sure they discussed that. I
7 neurosurgery?	^	ve a specific recollection of hearing a
A. I'm board-certified, that's correct.		bu know, addressing that other than the
And I'm credentialed, but I'm not licensed.		ntioned earlier from Indiana.
) Q. Do you have continuing medical		
education requirements?		
! A. Fortuitously I just recently filled		
<sup>3</sup> out my licensure renewal, yesterday, so I know		
<sup>1</sup> the state has that, yes.		
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PIKKEL V ZANNETTI	Condenselt! <sup>TM</sup> B. BLUMENKOPF, 3/	27/(
	Page 65	age
1 Q. Where was that presented?	1 Q. In all fairness, you haven't	
2 A. It was at the I believe it was at	2 performed any scientifically-reliable studies of	
3 the spine section meeting and it was, you kr	3 your own patients regarding surgeries and	
4I've gone to the spine section meeting pret	4 outcomes?	
5 regularly since it started, which is about 14	5 A. With cauda equina syndrome?	
6 years ago, and I would be guessing it was	6 Q. Yes, sir.	
7 probably in the last five to eight years. I	7 A. I haven't had that interest or	
8 don't recall exactly when I heard it. But I	8 opportunity.	
9 recall going and hearing that.	9 Q. Likewise, I assume, you have not	
I0 Q. But that's the only presentation you	10 published, authored or edited any	
11 can think of that you've attended that	11 medically-reliable publications or writings	
12 specifically relates to surgical outcomes and	12 relating to surgical outcomes and cauda equina	
13 cauda equina syndrome?	13 syndrome?	
14 <b>A.</b> Well, I that I recall. I mean, it	14 A. I know I haven't done the two former.	
15 impressed upon me you know, you come		
16 from these things trying to learn something,		
	0	
17 at every meeting you may find one or two th 18 that really stick in your mind as something		
• • •	18 Q. None that you have written?	
19 valuable to come away, and that was one of		
20 times that I thought this was very valuable to	20 Q. So the basis, again, for your belief	
21 come away with.	21 of this 24-hour window would have been this	
22 Q. What was the impression that you left	22 paper that was presented at the spine clinic	
23 with that was so valuable?	23 that talked about a 24-how time frame for	
A. Well, the content and really the	24 successfully treating cauda equina syndrome?	
	Page 66 P	age 6
1 message of that discussion, which related to	1 MR. MALONE: And his own experience.	
2 time frame of addressing cauda equina synd		
3 from acute disc herniation, which is exactly	3 A. The spine meeting, not spine clinic,	
4 what was presented, as I recall, but it would	4 and I thought that was a very seminal	
5 also relate to other possible mechanisms of	5 presentation.	
6 cauda equina syndrome.	6 Q. Which was the basis for your opinion	
7 Q. What was the message that you left	7 in this case.	
8 with regarding the time frame?	8 A. Very primary basis, yes.	
9 A. With most importantly with regard	9 Q. Could you define for me first of	
0 to recovery, that if decompression was	10 all, do you have any sub-specialties or areas of	
I accomplished within 12 hours there was very	· · · ·	
2 recovery generally. If it was accomplished	12 A. Yes.	
3 within <b>24</b> hours you still had the chance for	'13 Q. What are those?	
4 recovery. If it was not accomplished within 2	14 A. Well, in the past and currently my	
5 hours, that the chance for recovery was very	15 areas of most interest would be complex spine	
.6 poor.	16 and pain, and in the past I also had involvement	
7 Q. And that's the time frame you relied	17 with epilepsy. I don't have the time currently	
8 on in giving your opinions in this case?	18 to be that involved with that. But I'm still	
<ul> <li>9 A. That's the best knowledge base, plus</li> </ul>	19 very much involved with chronic pain managemen	t
		ι
0 my own experience to some extent, but my	20 and complex spinal management.	
1 experience didn't really look at it specifically	21 Q. Could you divide for us your	
2 from a, you know, absolute hour standpoint,	22 professional time in terms of how much is with	
3 well <b>as</b> this group looks specifically at the	23 surgery, how much is with clinical practice, how	
24 hours.	24 much is with teaching, how much is with	

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#### PIKKEI VZANNETTI

### Condense It1 TM

PIKKE	L V ZANNETTI	Condens	selt! <sup>™</sup> B. BLUMENKOPF, 3/27/(
	]	Page 69	Page 7
1 admi	nistrativeresponsibilities?	U	of the medical school is a research effort
	Well, again, fortuitously, we have to	1	that's under the auspices of the medical school,
1	n our on the licensure form they ask you	1	and <b>we</b> have faculty involved in, you know,
1 1	hat kind of stuff, so I gave them an	1	laboratory research.
	er. I put down that my outpatient work was	5	
1	burs, my inpatient work, which I would	6	kind of involves and oversees those efforts done
	de surgical time and all the paperwork	l l	under the academic commission, which involves a
	ciated with the care of those patients, as		limited degree of undergraduate, some
	burs, and et al., kind of administrative	9	postgraduate, and then research involvement.
1	pursuant to my position as chief of the	10	
1	ion, about ten hours.		the hours that you're spending do you list any
1	Are you currently		hours being spent in your academic position?
.13	MR. ROSMAN: What was that last	13	
	e, Doctor?	1	just
15	THE WITNESS: Ten hours.	15	
116	MR. ROSMAN: Thank you.		dedicated to academic responsibilities versus
	Are you currently teaching medical		administrative responsibilities, being chief of
-	ents or residents in the form of classes?		neurosurgery?
	No, we have very limited involvement	19	
i i	medical students. Our involvement with		gross estimates, because we're involved with
1	staff would be of the general surgical		residents, you know, on an ongoing basis. That's
	staff and orthopedic house staff, and most		part of the inpatient, clinical and all. But I
1	at is done kind of in the apprenticeship of		like to think that we $\mathbf{try}$ to teach and be
1	the wards and in the operating room.		involved in the academic mission all the time,
1 0		Page 70	Page 7 but, I mean, specific didactic things, me
	Are you still a professor? Yes.	1	personally it's very, very limited because I
			don't have the amount of time to do it.
	What do you do as professor of, I ne, University of Massachusetts?	4	Q. "Limited", less than an hour a week?
	What do Ido?	5	A. Yeah, at most.
	First of all, you are a professor at	6	Q. You said something earlier. Am I
	niversity of Massachusetts Medical School?		correct you do not have a neurosurgical
	Yes.		residency program here?
	What do you do as a professor?	9	A. That's correct.
	Well, the medical well, again, the		Q. How many other professors of
	cal school or the you know, also involves	-	neurological surgery are there at the University
	ost-graduate education, which is the house		of Massachusetts besides yourself!
3 staff.	Staduate careation, which is the house	3	A. You mean full professors or full-time
4	We do have limited involvement with		faculty? Some people just use "professor" as a
	al students. I have other faculty in the		generic term. You have assistant professor,
	on that I've delegated some of those		associate professor and professor, so
	nsibilities. But neurosurgery has a very	7	Q. Professors of any level.
-	you know, didactic lecture, probably,	8	A. There are four full-time faculty.
	he medical school. We have the grand	9	Q. And you're one of the four.
	s which primarily involves other house	2	A. Correct. Then there are two clinical
	and other faculty. And then we have, as I		faculty that have appointments.
	he on-the-ward people with the general	2	Q. How much of your time is spent doing
	y and the orthopedic residents, which is		legal work such as this case?
-	f the postgraduate education. Also, <b>part</b>	4	A. Percentage-wise, hour?
	1 0 read		

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Page 69 - Page 72

PIKKEL V ZANNETTI	Condens	eIt!	B. BLUMENKOPF, 3/27
I	Page 73		Page
1 Q. However you can quantify it.	1	<b>A.</b> I	t's tracked for me. I also keep a
2 A. You know, I would just probably	2	record,	yes.
3 less than two percent, two percent maybe.	3	Q. H	How many procedures do you do a year?
4 Q. How many cases, medical malpractice	4	<b>A.</b> <i>A</i>	About 300.
5 cases, do you review on a monthly basis or on a	5	Q. I	Do your records break those down by
6 yearly basis?	6	type of	procedure?
7 A. It probably generally comes in at	7	<b>A.</b> I	t could be done that way,
8 about one case a month. It comes in spurts and	8		Do you know what percentage of your
9 then	9	surgerie	es involve spine versus brain?
Q. Are you currently a member of any	10	<b>A</b> . (	Dh, as I said, my interest is, you
11 service that markets your services?	11	know, c	chronic pain and spine, so it's probably
12 A. Yes.	1		ent spine, because most of the brain I do
13 Q. What services?			mergency procedures or occasional
A. The names of them, you mean?	1		are when I'm on-call.
15 Q. (Nodding.)	15	•	Am I correct that you've made no
A. There's a service out in San	16		p put together a reliable study of
17 Francisco I believe it's San Francisco, or	1		es for acute cauda equina syndrome in your
18 Oakland I believe it's called American	1		actice for purposes of this case?
19 Medical Forensics, or something like that. Then	19	-	for any purpose.
20 there's a place in, I believe it's Bluebell,	20	Q. C	
21 Pennsylvania, called Medical, I <b>think,</b> Advisors,	21	-	Iaven't done that yet. Maybe in my
22 Inc. and then a lady in the Chicago area who		next life	
23 called her service Expert Medical. It's very	23		f you had a few more hours in a day?
24 limited on my part.	24		Im-hmm.
· · ·	age 74		· · · · · · · · · · · · · · · · · · ·
1 Q. What about Comprehensive Medical	age /4	0 4	Page Are you able to tell us specifically
2 Consultants, Inc?			ny surgeries you've done for acute cauda
<ul><li>3 A. In the past. He's no longer involved.</li><li>4 He's been out of that for about four, five</li></ul>	ł	-	syndrome?
	4	A. N	
5 years.	5		an you give us an estimate?
6 Q. Do most of the cases that come to you	6		cute cauda equina syndrome? Can you
7 come through a referral source?		define th	
8 A. No.	8	-	ow would you define it?
9 Q. Do the outfits you've identified	9		would define it as symptoms with,
0 refer primarily one type of case, that is a		•	w, less than 24 to 48 hours
1 patient versus a health care provider?	1	• •	natology, frankly. That's very few.
2 A. Well, just Comprehensive was	12		Very few" being less than three?
3 usually	13		Vell, less than six. I mean, I've
4 Q. That's defense?			ny more that have been subacute or
5 A defendants, right. The others			I'm sure, than acute.
5 I've only gotten one case from the place in San	16		Then was the last one that you had?
7 Francisco, I believe, and that was a plaintiff	17		f an acute one?
3 case, and the other two services have been	18		lodding.)
	19		s been a couple of years. A
9 plaintiff cases.	1	a a sum la +	hræyears. I don't think I've had
Q. Did your involvement in this case		-	-
Q. Did your involvement in this case involve a service?	21 1	from a ru	uptured disc or in general, but I don't
Q. Did your involvement in this case involve a service?	21 1	from a ru	-
Q. Did your involvement in this case involve a service?	21 1 22 t	from a ru hink I've	uptured disc or in general, but I don't

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Page 73 - Page 76

PIKKEL V ZANNETTI	Conder	iseIt!™	B. BLUMENKOPF, 3/27/
	Page 77		Page
1 Q. And you came here in '98?		1 Q.	You said it was the middle of the
2 A. Summer of '98, yeah.		2 night.	
3 Q. So it would have been while you were		3 A.	No, I don't recall that he was the
4 still at Vanderbilt?			e of the night. The other one was the
5 A. correct.		5 middle	e of the night.
6 Q. Do you remember when while you were	-	6	(Ten-minute recess.)
7 at Vanderbilt?			Doctor, I want to go back to the
8 A. No.			CES cases that you have been involved in.
9 Q. Are you able to remember any details	1		nentioned the one involved a call from the
10 about that surgery?		U	ency room to the neurosurgeon resident to
11 A. You mean clinical details, technical			nd you came in for emergency surgery. In
12 details? What do you mean?			se what were the patient's presenting
L3 Q. Clinical details.		3 sympto	
14 A. I remember two people. I remember			I honestly don't remember
15 being called by a woman in the middle of the	1	5 specifi	•
16 night who had that syndrome, and I operated		-	Can you say
17 upon. I remember another fellow, an Oriental	1		I know he had a lot of back pain. I
18 fellow, came to the emergency room. A young gu	•		ber he was in excruciating back pain with
.9 that it was kind of unusual that I operated		9 terrible	-
<sup>20</sup> upon. Those are the two that I recall.	2	-	Did he also have incontinence?
2.1 Q. Would those have been sometime during 2.2 the 1990s?	2		I I would be speculating. I know
<sup>12</sup> He 1990s? <sup>13</sup> A. I would think so, yeah.			significant concerns about neurological
4 Q. The Oriental man was through the		4 one.	on. I don't recall the specifics on this
		+ one.	
	Page 78		Page 8
1 emergency room?	·	-	Is the <i>urinary</i> incontinence the red
2 <b>A.</b> Yeah, he was a young fellow. It was		-	cauda equina syndrome?
3 kind of unusual for having a ruptured disc.			Either incontinence or retention.
4 Q. Do you know how long after onset you 5 performed the surgery?		-	s there a difference?
6 <b>A.</b> I don't recall that. I know I			Well, I think there's a difference onally, sure.
7 performed it, you know, within hours of his			But I mean a difference in terms of
8 presentation to the emergency room. I don't		-	are neurological deficit resulting from
9 recall the actual context, but I thirk it was	1		are neurological denen resulting from
0 very soon, he came to the emergency room, after	10		Could be, yes.
1 his certainly his symptoms appeared.	11		Are you able to tell us how long
2 Q. I assume you were consulted by the	12		uset of symptoms you performed the
3 emergency room in that case?	1		in this Oriental man?
4 A. Yes.	14		Generally if I'm presented with that
5 Q. Did the emergency room physician call			ng to proceed, you know, as soon as I
5 you?		-	e only restriction generally being
7 A. No, called the resident.	1		r they've had <b>any</b> food, which then delays
3 Q. The neurosurgical resident?			u know, six hours, so generally we try to
A. Right.		• •	e done from the time of presentation
) Q. Who then called you?		-	about six hours, because unless they
A. Right.	1		eaten, and then I'll do them even
! Q. And you treated it as a surgical	1	sooner.	
, emergency?	23		But you don't know how long before he
· A. Correct.	24i		the ER he had had those symptoms.
MCCARTHY REPORTING SERVICE W			

Page 77 - Page 80

PIKKEL V ZANNETTI	Conden	selt!	B. BLUMENKOPF, 3/2	27/
	Page 81		Pa	ıge
1 A. My recollection is it was very brief.		1 don't rer	nember whether she had antecedent	-
2 That's why I considered it acute. But I don't		2 complai	nts, back pain.	
3 know the number of hours			ow long did you follow that patient	
4 Q. "Brief" being within 24 to 48 hours.		4 for?		
5 A. correct.	1		don't have the specific	
6 Q. Do you know what the outcome was			ion. I generally see them in a	
7 following surgery?			ative follow-up six weeks or so, and	
8 A. I don't recall.		-	ending on how they're doing I may not	
9 Q. The other call came in the middle of	-		again, so I don't recall the follow-up.	
10 the night?	1		o you have a specific memory of how	
11 A. Right. That I recall a little better.	1.		fter surgery?	
.12 Q. What do you recall about that?	.1		o, I don't.	
A. I recall it because it was in the	1		side from those two cases can you	
114 middle of the night.			y other details about any of your other	
115 Q. Right.	1		ida equina syndrome cases?	
16 <b>A.</b> But that was a woman with acute	11		n not sure what you mean. You know,	
17 urinary retention or difficulty voiding. And had			ave specific cases in mind. I I know	
18 a big ruptured disc.			ust in a general sense of, you know, to	
19 Q. And how was that case referred to	1		ackground in the back of my mind as to	
20 you?			going to do any time I'm presented with	
21 A. I believe in Nashville we had a			t I don't have a great recollection	
<ul><li>22 city hospital. I believe she originally went to</li><li>23 the city hospital and was transferred over to</li></ul>		-	ic cases. When you do 300 or so cases a	
24 Vanderbilt Hospital. The resident saw that		•	hard to remember individual ones ey're exceptionally good or	
		uniess un		
1 patient, called me about it in the middle of the	Page 82	avaantion		ge 8
•		exception	•	
<ol> <li>2 night.</li> <li>3 Q. Did she present originally to the</li> </ol>	2		ear you, and I don't expect you	
4 emergency room?			you have any other recollection of r acute cauda equina syndrome cases	
5 A. Yes, she was originally, I believe,	1	•	aven't discussed?	
6 an emergency room presentation.	6		t of the acute. I just you know,	
7 Q. Do you know how long after the onset			a couple of sub-acutes since I've been	
8 of symptoms you did your surgery?	1		some sort of chronic ones since I've	
<ul> <li>9 A. I was called about two o'clock in the</li> </ul>	1		, but not acute.	
10 morning. We were in the operating room	10		w about sub-acute would you	
1 physically about six o'clock in the morning.	10		acute cauda equina syndrome has a	
2 Q. Do you know from the onset of	12	-	surgical outcome than a chronic or	
3 symptoms when it was, other than within 24 to 4		sub-acute	÷	
4 hours?	14		u know, I think in general acute	
5 <b>A.</b> I don't recall how long she may have			will have different outcomes than	
6 been having back pain, but certainly the universe		-	and chronic, because of that very	
7 difficulties were from that previous day,			bu know, I don't know specifically the	
8 afternoon, through that evening, into the early			between an acute presentation of	
9 morning hours. So within that day.			ina syndrome and outcome, particularly	
0 Q. Within 24 hours?		-	d to timing of surgical management,	
A. Yes.	21	-	bacute and chronic, because there the	
2. Q. So you would have operated on her			surgical management is going to be	
3 within 24 hours?		-	materially significant in my mind.	
A. From at least a urinary problem. I	34		y is that?	
IC CARTHY REPORTING SERVICE W			Page 91 - Dage	

Page 81 - Page 84

## PIKKEL V ZANNETTI

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	D. DLUWIEINAUPF, 512//(
Page I	Page {
1 A. Because I think that in the sub-acute	1 A. No. That's just a generic
2 or chronic contexts a few hours or even a day is	2 understanding of what we do neurosurgically.
3 of much less significance than in the acute	3 Q. Okay. So getting back to your opinion
4 context.	4 concerning this 24-hour Window, what you relied
5 Q. And why is that?	5 on solely in this case is that one presentation
6 A. Well, I mean, fundamentally because	6 of the Indiana study at that spine meeting that
7 of our anticipation of either, you know, some	7 you attended. Isn't that fair?
8 recovery or no recovery potential, and the	8 A. I think with regard to the
9 urgency of surgical management is much different	9 significance of the 24 hours, I <i>think</i> that's a
10 in acute presentation than in a sub-acute or	10 very as I say, a seminal presentation. It
1 chronic because of the impact you feel you're	11 certainly is consistent with my experience and
2 going to make with regard to outcome.	12 it's consistent with a lot of what we thirk
Q. And the acute is the surgical	13 about in neurosurgery, but I <b>think</b> that the
4 emergency whereas the sub-acute and the chronic	14 message there and the take-home information was
5 are not necessarily surgical emergency?	15 very significant, yes. And that's that's, I
6 A. Certainly that's correct.	6 think, the best knowledge base that I can
7 Q. And you can't transfer your	7 provide in looking at this case, and what I
8 experience in terms of surgical outcomes with	8 think is the most important issue that I can
9 the sub-acute and the chronic to the acute cauda	9 address in this case.
0 equina syndrome cases, can you?	Q. Is the window of opportunity for
A. Well, I mean, you can transfer some	11 neurosurgical intervention.
2 of that experience, but	A. With regard to outcome.
3 Q. Aren't we talking apples and oranges?	3 Q. And, again, you're basing it on that
4 A. Sorry?	4 interest and that study.
Page 80	Page 81
1 Q. Aren't we talking apple and oranges?	1 MR. MALONE: Bob, you've got to stop
2 A. I don't know if we're talking apple	2 that.
3 and oranges. Maybe apples and baked apple. And	3 MR. LINTON: I'm not going to stop
4 I'm not trying to be facetious, but I <b>think</b>	4 MR. MALONE: No, I'm going to make an
5 there are some things you can relate, but	5 objection. You're trying to torture his
6 specifically with regard to timing and urgency	6 testimony. You're not going to convert his
7 of surgery I think it's a different process	7 opinion into hearsay because he read a report
8 possibly, and certainly has a different	8 and now he's recanting it. This is a
9 experience or outcome parameters, I guess.	9 board-certified neurosurgery professor for many,
Control 2 O. So the timing of surgery with respect	10 manyyears.
1 to the sub-acute and chronic as relates to	11 MR. LINTON: Jim, I don't need you to
2 surgical outcome is different than in the acute	12 testify.
3 context.	13 MR. MALONE: Well, I don't need you to
4 A. Yeah, I think that the timing of	14 distort his testimony.
5 surgical management in the acute I think is of	15 MR. LINTON: I've asked the doctor
5 paramount importance. I think the timing of	16 Q. What other experience, Doctor, do you
7 surgical management in a sub-acute and chronic	17 have with surgical outcomes in acute cauda
3 presentation has much less paramount importance.	18 equina syndrome cases?
• Q. Have you done any formal studies or	19 MR. MALONE: He's answered those
) medically reliable studies with respect to the	20 questions as far as you've gone with them. He
chronic and sub-acute cauda equina syndrome	21 told you on three occasions this report is not
! cases and surgical outcomes?	12 the sole basis of his opinion, that he's
A. Myself?	23 including his own knowledge, his own training,
24 Q. Yes.	<sup>24</sup> his own experience, but that it was a seminal
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PIKKEL V ZANNETTI	CondenseIt!™	B. BLUMENKOPF, 3/27/(
	and the second	
1 presentation. You're not going to convert his	ige 89	il Monday morning. So
2 testimony into some kind of hearsay, because		nd the 24-hour window of opportunity
3 he's not reading a report and then sitting here		talk about is based on the study.
4 being paid to recite it back.	4 Correct	•
5 Q. Doctor, tell me what specific	1	Vell, that's
6 experience you have with surgical outcomes that		R. <b>m o m :</b> Same objection.
7 you can recall besides the two acute cauda	}	hat's how the study looked at it and
8 equina syndrome cases that we talked about.		ainly provided a good statistical
9 A. I don't have any individual specific	1	er for me, based and it's very
10 recollections. I mean	-	nt with everything I understood and, in
11 Q. So you can't		lso provided a parameter whereby we
12 MR. MALONE: Let him finish his		y, well, it's not as urgent as we you
113 answer, please.	13 know, w	e could wait a couple of hours because we
A. We don't recall every case we do.	14 still have	e an opportunity. So, you know, we're
115 Q. Do you have	:15 often pre	esented with a situation of, you know,
A. We have many cases of dealing With	16 do I got	to go right now? Like I say, if the
117 acute pathology in an urgent or emergent way,	17 patient e	ats, you know, when are we going to
18 and we know that's the way acute pathology best	118 when are	e we going to feel comfortable we
19 responds to surgical management, and we have		el comfortable waiting when we're in an
20 good results from that. The timing of how we		uation. This was a very valuable
21 approach things neurosurgically is based upon	-	er to know, and there was a great
22 the timing, in essence, of the presentation, and	-	nce to that parameter that you had a
213 the value to me of the presentation that I heard		d outcome within 12 hours, you had some
214 and the information that it provided me was to	24 outcome	still at 24 hours, but beyond that was
	ge 90	Page 9
1 give me a parameter that made a lot of sense as		smal, and the message was, <b>as</b> I recall,
2 to how we generally approach things, and		age •• one of the messages was, you
3 actually defined it very well €or all of us, and	,	bu can't wait 'til Monday morning if they
4 it's not inconsistent with anything else in 5 neurosurgery that we do, and it's very		you know, over the weekend kind of
6 consistent with my own understanding of things,	-	nd that's important for me and it's to rus, not that I ever thought we
7 but it actually took the time to look at and	-	ait 'til Monday morning, but the value
8 define that time parameter, and I think that's		ry source material like that is people
9 why I said it's a very valuable piece of	-	it down, take the time and collate the
10 information,		present it in a way that all of us can
11 Q. what you know clinically is that		ze in, you know, a respectable and
12 acute cauda equina syndrome is an emergency,		fashion. It's data, it's true. It's not
13 correct?		in my mind. It's true.
14 A. Correct.	-	d you did not compile any similar
15 Q. And it's a neurosurgical emergency		your own clinical experience.
16 that must be dealt with as quickly as possible,	1	, I never had, as I said, the
17 correct?	17 interest o	r the opportunity. I just based it on
18 A. Within that window of opportunity,		nean, how I generally practice in that
19 you know, it gives you the within the and	19 regard is	what you're taught and what you then
20 the logistics, that suggests that you as long		d as you proceed. I never took the time
21 as you're within that window of opportunity you	-	x and look at all that, and somebody
22! might be able to wait from two o'clock to five		and I think it was very valuable
23 o'clock in the morning, but if you're close to		on that I would feel is true.
24i that Window of opportunity you certainly can't	24 Q. Die	l you keep a copy of the materials
MC CARTHY REPORTING SERVICE W	CESTER MA	Page 89 - Page 92

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Page 89 - Page 92

PIKKEL V ZANNETTI	Conde	nseIt! ™	B.BLUMENKOPF, 3/27/(
	Page 9.		Page !
1 he presented at that meeting?	C	1 frame of	12 versus 24 or greater than 24 hours.
2 A. I would often keep those things for a		2 Q. B	ut you can't say how much.
3 while, but in the course, certainly, of the move		3 A. I	don't recall the gross percentage
4 that we made, if I kept it I don't know where it		4 number,	but it was a statistically significant
5 is, and I don't know that I kept it, frankly.		5 difference	ce.
6 Q. Do you presently have any materials		6 Q.W	hat would be a significantly
7 that you can produce for us that have a 24-hour		7 statistica	al difference in your mind?
8 window in written form?			h, no, I'm saying statistically it
9 <b>A.</b> No.		9 was sign	ificant. I mean, I <i>think</i> it was I
10 Q. Do you know of any published		10 don't rec	call the gross numbers, but based on the
11 standards or published studies or literature		11 number	of patients they had and the outcome
12 that addressed the window of opportunity for		12 results, t	here was a statistically significant
13 neurosurgical intervention with cauda equina		13 difference	ce between those patients who presented
14 syndrome?			e operated upon in less than 24 hours and
15 <b>A.</b> No.		-	ients who presented and were operated
16 Q. Are you aware of studies that show			greater than 24 hours. That's a
17 that even after 24 hours there can still be		17 mathema	atical statistical fact. I don't recall
18 recovery in neurological function if surgery is			it was 90 versus five percent. It could
19 done on cauda equina syndrome?		9 be 90 ve	rsus 80 percent and still be
20 A. I'm not aware of any studies, but I			lly significant.
21 don't I don't doubt that there exists and I			it you
22 don't doubt that that's a possibility. The			it my recollection was that you had
23 message from the study that I'm relating is the		• •	oor chance of recovery, and I don't know
24 fact that there's a significant difference in		14 the numb	er, but a poor chance of recovery if it
	Page 94		Page 9
1 those time frames. Not that it cannot occur, but		1 was over	24 hours, a very good chance of
2 there's a significant difference in outcome		2 recovery	if it was under 12, and still a
3 between or among those three time frames. And		3 reasonab	ly good chance at under 24, and it was
4 that's what generally presentations are		4 statistica	lly significant at 24 hours.
5 discussing. Not that one cannot happen, but		5 Q. Yo	ou can't tell us what those numbers
6 statistically and significantly there's going to		6 axe.	
7 be a difference in either two or three or any		7 A. I d	on't recall the specific numbers.
8 number of groups based on treatment, timing,		8 Q. Yo	u can't estimate what those numbers
9 whatever you're looking at. So it's not an		9 are.	
0 either/or or absolute. It's a statistical	1		ould be speculating.
1 significance, and that's what the message was			r enough. As a neurosurgeon you're
2 out of that study.	1	2 not critic	al of anything Dr. Bell did in this
3 Q. From that study, the Indiana study,	1	3 case, are	•
4 what was the percentage of recovery for those	1	4 <b>A.</b> Oth	her than the statement of the 80
5 patients operated on for acute cauda equina	1	5 percent, i	n that sense, no.
5 syndrome within 24 hours?	1	6 Q. In	fact, if you were called in you
7 A. I don't recall the exact number, but	1	7 would hav	ve done the precise surgery that Dr.
3 there was there was it was there was a	l	8 Bell did,	would you not?
isignificantly greater difference if it was		<b>A.</b> I'm	sure I would have, yes. I haven't
) before than after 24 hours and much better if it	34	looked at	the specific details of how he did it,
		but again	, what he did is entirely appropriate.
1 was within 12 hours, and I don't remember the	;	t but, agam	, what he use is entirely appropriate.
<ol> <li>was within 12 hours, and I don't remember the</li> <li>gross number, but the gross number wasn't, in</li> </ol>		-	y would you have come in to do the
		2 Q. Wh	

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Page 93 - Page 96

PIKKEL V ZANNETTI	Cond	_nseIt! <sup>™</sup>	B. BLUMENKOPF, 3/27/
	Page 97		Page
1 presented for the second time after the ER?		1 complication	ons for that surgery?
2 A, Because she had neurological deficit		2 A. I thir	kin an otherwise healthy woman
3 secondary to structural pathology, and it ought		3 it should be	less than, you how, one percent,
4 to be taken out.		4 of anything	profound.
5 Q. And it would be taken out for what		5 Q. And	what do you expect her chance of
6 reason?		6 recovery to	be? Five percent, ten percent, 25
7 A. To provide the maximum environment		7 percent? W	hat would be the range of expected
8 for recovery.		8 recovery at	<b>48</b> hours post-onset of symptoms?
9 Q. Because you would believe even at		9 A. I don	't know that I would like I
10 that point, at 48 hours, there was still a		10 said, that I v	would give her a number, but I
1 statistical chance for further recovery.		11 think I coul	d tell her that her chance of
A. Well, I would I would present the		12 recovery wi	thout surgery is zero. So I would
13 situation as I do in all cases, that she's got		13 <b>think</b> that if	she wants to, you know, get the
14 •• I think she's got a better chance of recovery		14 most benefit	t we could possibly give, then I
15 with the surgery than certainly without the		15 think surger	y can provide that, and the risk
16 surgery. Then it's a matter of fact, the risks		16 seems to be	very low.
17 of the surgery, which should be reasonably low		17 Q. Woul	d you agree that time is of the
8 in a 47-year-old lady, so I'm trying to provide		18 essence in tr	eating cauda equina syndrome, acute
9 her with the with the environment, as I said,		.9 cauda equin	a syndrome?
20 for conducive to recovery. The best		20 A. Acute	e, certainly, yes.
el environment conducive to recovery.		21 Q. And t	he sooner the surgery is done
Q. Based on your		2 the better?	
A. I'm not going to deny her that		13 <b>A.</b> All th	ings
equation of the second se		24 MR. M	ALONE: You already went through
I	Page 98		Page 1
1 Q. Based on your clinical experience,		1 that page, Bo	b, You asked all those questions.
2 what would be her percentage of recovery if you			ings being equal, yes.
3 did the surgery when Dr. Bell did it?			d you agree the longer the disc
4 A. Well, With the deficit of that		-	he nerve the less likely the damage
5 duration, my understanding was that it would be		5 is reversible	
6 very, very small.			particularly in the acute
7 Q. Meaning what?		7 syndrome the	
A. An absolute number?			te cauda equina syndrome,
9 Q. Or a range.			longer the disc compresses the
0 A. I I like I say, I would just			re likely the damage will be
tell her that my understanding was that for a		1 permanent.	
2 deficit of that duration, I think it it's			hat a different question <b>than</b>
apparently small or unlikely that she's going to		3 the previous	one?
4 have full recovery.		4 Q. Yes.	
5 Q. And what would be the specific			ALONE: Didn't sound it. I think
5 percentage range?		5 it's <b>the</b> same	-
7 A. I don't quote specific numbers. I			you repeat that last question
B just try to give them an understanding of		3 again?	
possibility, but I think the chance of that is		-	Vith acute cauda equina
probably the chance of the recovery is		•	longer the disc compresses the
greater than the <b>risk</b> of the surgery, so,			re likely the damage will be
! therefore, the risk-reward ratio I would hope is		! permanent.	a. 1 a . a . 1 . a
in her favor.			think that the longer the
Q. What would be the risk of		. I think that	if you're talking about

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Page 97 - Page 100

PIKKEL V ZANNETTI C	ond nseIt! <sup>TM</sup> B. BLUMENKOPF, 3/27/
Page	101 Page 1
1 compression that creates neurological	1 four times.
2 dysfunction, the longer that exists the more	2 MR. LINTON: With your help he has.
3 likely it's permanent. I thirk that's what	3 This will be five.
4 you're suggesting, not that there's some bulging	4 MR. MALONE: He doesn't need any help
5 of a disc pressing on a nerve. But once you	5 from me.
6 develop the neurological dysfunction attendant	6 MR. LINTON: Well, then just let him
7 to the compression, the longer that exists the	7 answer it, Jim.
8 more likely it's going to be permanent, yes,	8 MR. MALONE: I am.
9 until one resolves it, yes.	9 A. Can you ask the question again?
10 Q. Based on your clinical experience,	10 MR. LINTON: Would you read back the
11 would you expect that a patient who had surgery	11 last two questions?
12 at 35 hours would have a statistically better	12 (Record read.)
13 chance of a successful outcome than someone who	13 Q. Doctor, in all fairness, you don't
14 had surgery at 48 hours?	14 know what the Indiana study reported concerning
15 A. Not based on that study, no. That	15 outcomes within 48 hours versus outside 48
16 study said that the statistical significance, at	16 hours, true?
17 least as I recall it, was at 24 hours.	17 A. As I said, I don't I don't recall
Q. So whether the surgery was done at 25	18 that that was the message of what they reported.
9 hours or at three weeks wouldn't matter?	19 It was 24-hour time frame.
20 A. Well, it	20 Q. Based on any other source, including
MR. ROSMAN: Objection.	1 your clinical experience, do you know if there
A. I don't know that they looked at that	2 is a difference in outcome between surgery
23 insofar as that time versus the prolonged time,	<ul><li>23 occurring within 48 hours versus outside of 48</li></ul>
4 but they looked at the 24 when they looked at	4 hours?
Page	e
1 the recovery versus time, there was a major	1 A. Oh, I thirk, yeah, I thirk there
2 statistical change at 24 hours.	2 would certainly within 48 hours versus
3 Q. Was there any statistical difference	3 outside 48 hours there would certainly be a
4 between surgery done between 24 hours and 48	4 difference.
5 hours?	5 Q. Would there be a difference
6 A. I don't recall. I don't I don't	6 A. Based on even the Indiana study. They
7 recall that what that was, but I don't	7 found a difference at 24 hours. That would
8 believe that there would be, based on what they	8 certainly be true if you brought it to 48 hours
9 were reporting.	9 statistically, but
Q. Would there be any statistical	0 Q. Would there be a difference between
1 difference between surgery done within the first	1 35 hours and 48 hours, in your clinical
2 48 hours versus after the first 48 hours?	2 experience?
A. Again, I don't think they looked at	3 A. Between 35 hours and
4 that.	4 Q. Forty-eight hours.
5 Q. Again, that's all based on the	5 A 48 hours?
6 Indiana study?	5 Q. Yes.
7 A. I'msorry?	7 MR. ROSMAN: Objection. Asked and
-	3 answered.
Q. Again, you're basing those opinions	
Q. Again, you're basing those opinions all on the Indiana study?	3 A. I think based on my own clinical
<ul> <li>Q. Again, you're basing those opinions</li> <li>all on the Indiana study?</li> <li>MR. MALONE: No, you're asking him</li> </ul>	) experience? I haven't looked at that. So I can't
<ul><li>Q. Again, you're basing those opinions</li><li>J all on the Indiana study?</li></ul>	) experience? I haven't looked at that. So I can't I I, again, based on my understanding of the
<ul> <li>Q. Again, you're basing those opinions</li> <li>all on the Indiana study?</li> <li>MR. MALONE: No, you're asking him</li> </ul>	) experience? I haven't looked at that. So I can't
<ul> <li>Q. Again, you're basing those opinions</li> <li>all on the Indiana study?</li> <li>MR. MALONE: No, you're asking him</li> <li>questions about what the Indiana study said and</li> </ul>	) experience? I haven't looked at that. So I can't I I, again, based on my understanding of the

Page 101 - Page 104

YIKKEL V ZANNETTI	CondenseIt! <sup>™</sup> B. BLUMENK	OPF, 3/27
	ge 10	Page
1 I mean, statistically there may be a	1 correct?	
2 difference at 35 versus 48 hours, but the big	2 A. That information that was presented	ed,
3 significance with regard to outcome is at 24	3 that's correct.	
4 less than versus greater than 24 hours.	4 Q. You can't tell us who it was who	
5 Q. So I'm clear, based on your own	5 presented it, correct?	
6 clinical experience, Doctor, you can't tell us	6 A. I don't have a recollection of his	
7 what the outcome would be between 35 hours and	7 name.	
8 48 hours, correct?	8 Q. Do you remember the title of the	
9 A. I haven't looked at that	9 presentation?	
0 specifically, at those time frames, so I	10 A. No,	
1 couldn't tell you specifically.	11 Q. And have you no Written materials	
2 Q. Likewise, based on your own clinical	12 that show us what was covered during that	at
3 experience, you couldn't tell us the difference	13 presentation.	
4 between 30 hours and 50 hours.	14 <b>A.</b> Do I infer you're questioning my	
5 A. Not an absolute number. It would just	15 truthfulness? I swore to tell the truth here	•
6 be an impression. It would be less but, again, I	16 Q. Not at all, Doctor.	
7 don't have a specific number.	<b>17 A.</b> So what are you asking?	
8 Q. And any difference in outcome between	18 Q. I may want to get ahold of that	
9 35 hours and <b>48</b> hours would be based on the	19 study.	
0 Indiana study.	20 A. You can Write to the Spine Section	
1 A. Any difference in outcome I'm	21 and ask for every brochure of the program	n
2 Q. If you were to give any opinions	22 committee for the last 15 years and look t	hrough
<sup>3</sup> concerning difference in outcomes at 35 hours	23 it. I don't have those	
<sup>4</sup> versus 48 hours you would be relying on the	24 Q. In what specific year was this	
Pag	e 106	Page
1 Indiana study for your opinion.	1 seminar covered?	-
2 A. To tell me that the possibility for a	2 A. I <i>think</i> it was sometime in the	
3 good for recovery at 35 hours was poor, and	3 Nineties, as I told you. I've gone to every	
it's poor at whatever number you said 48	4 meeting in the last 15 years, or almost eve	ery
5 hours? compared to the window of opportunity	5 meeting.	-
5 of 24 hours.	6 Q. Can you tell us when in the Ninetie	S
<sup>7</sup> Q. And that would be based on the	7 it was?	
Indiana study, correct?	8 A. I didn't go in the most recent ones,	
A. Well, the Indiana study and, you know	9 so I would say it was probably in the	
with specific reference to the timing of	10 mid-Nineties. The early to mid-Nineties.	
surgery for cauda equina syndrome they set that	11 Q. And you've seen no other studies th	at
parameter.	12 address the issue of the success of surgical	
Q. Right, and that's what you're relying	13 outcomes with acute cauda equina syndror	
on to give us an opinion concerning a difference	14 besides that one presentation. Correct?	
in outcomes between 35 hours and 48 hours.	15 A. That's the one that I've put in my	
A. I think that's a very valuable	16 data bank forever, and I don't know that the	nere's
parameter to have, yes.	17 ever been maybe there has, but to my	
Q. Right. That's what you're basing that	18 recollection that was felt by everyone to be	ea
opinion on, correct?	19 very, very useful and, as I said earlier,	
A. That's the <i>only</i> information I know to	20 seminal piece of data, because that question	1
that addresses that specifically with regard	21 comes up all the time.	
to the likelihood of outcome of surgery of acute	2 Q. You would agree, based on everythin	าย
cauda equina syndrome.	<sup>12</sup> / <sub>3</sub> you know as a neurosurgeon, that if surger	-
Q. That being the Indiana study,	4 performed at 35 hours on Bonnie Pikkel, th	-
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Page 105 - Page 108

PIKKEL V ZANNETTI	Conder	selt!	B. BLUMENKOPF. 3/27/(
	Page 109		Page 1
1 would have been some increase in success	as	1 A.	Only in the interactive I've done
2 compared to 48 hours.		2 a coup	le of on request, you know, lectures to
3 A. Well, that's somewhat intuitive, but		3 the em	ergency room emergency department
4 whether that's statistically significant I don		4 faculty	and their resident staff, but they're
5 know. The statistical significance was at 24		5 not une	der my direct supervision.
6 hours. And it is certainly intuitive that there	e	6 Q. ]	Does the standard of care require for
7 may be a fractional difference, and I would	n't	7 a patie	nt in which cauda equina syndrome is
8 dispute that, but the probability of recovery		8 suspec	ted for there to be a rectal examination?
9 for surgical management of acute cauda equ	iina	9	MR. ROSMAN: Objection.
10 syndrome seemed to have a window of opp	ortunity I	0 ]	MR. MALONE: He's not a standard of
11 of 24 hours, based on the best information	hat 1	1 care wi	itness for an emergency room physician.
12 I know that looked at it from a statistical	1.	2 Are yo	u talking about somebody in the office,
13 standpoint. You know, intuitiveness doesn'	t 1	3 like a r	neurosurgeon, who has to evaluate, or are
14 necessarily relate to statistical significance,	1.	4 you tal	king about what's required of somebody in
15 and sure it's better to do it at 35 hours than	1:	5 the em	ergency room by a lady with her
16 35 hours and, you know, ten minutes, but	1	5 compla	aints?
17 intuitively that's why we Dr. Bell did l	1	7 Q. I	Let's talk about by any doctor
18 and that's why I said I would do it as soon	as 1	8 qualifie	ed to diagnose cauda equina syndrome.
19 possible. But whether that translates to a	19	) A. ]	I think you have to perform I
20 statistical significant of outcome so that I ca	in 20	) <b>think</b> a	comprehensive exam should include the
21 state within the realm of medical probabilit	y 2	rectal e	xam.
22 that it would have made a difference, the	22	Q. S	So anyone qualified to diagnose cauda
23 information I have says it's 24 hours. Not	23	equina	syndrome is required by the standard of
24 between 35 and 48, but 24 hours. And so th	at the 24	care to	do at least a rectal exam, correct?
	Page 110		Page 1
1 probability of the recovery making it bein	g   1	N	AR. ROSMAN: Objection.
2 influenced by the timing of surgery	2	N	AR. MALONE: Same objection.
3 statistically is a 24-hour time frame, to the	3	A. I	would think that's part of the
4 best of my understanding of the data that I c	an 4	process	, yes.
5 relate to this case. I don't <i>think</i> I can relate	5	Q. I	n addition to that, they would also
6 to it on an anecdotal or intuitive way, as we	11 6	be requ	ired by the standard of care to do a
7 as through a statistical way.	7	pin-pric	ek examination for sensation in the
8 Q. The statistical way is based on the	8	perinea	l area?
9 Indiana study.	3	Ν	IR. ROSMAN: Objection.
16 A. Yeah.	10	A. V	Vell, at least some sort of sensory
Q. Do you still take calls through the	11	examina	ation.
2 emergency room?	12	Q. A	and the standard of care would
A. Unfortunately, yes.	13	likewise	e require if, in fact, there was a
Q. How often are you on-call?	14	urinary	incontinence in a patient in which cauda
A. We have six people who rotate the	15	equina s	syndrome was suspected, for an MRI to be
6 calls, so it's every sixth weekend, and with t	he 16	perform	ed.
7 four days during the week, I I generally tr	y .17	M	R. W O N E : This isn't a urinary
8 to share in that. It probably works out to v	/e 18	incontin	ence case, Bob.
9 have you know, one at least one or two	19	Q. C	correct?
0 days during the week a month. It's not every	20	М	R. ROSMAN: Objection.
1 week during a month.	21	М	R. MALONE: I'm going to object.
0			
	22	There's	no suggestion of urinary incontinence in
-		There's this case	

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Page 109 - Page 112

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	Page 113 Page
1 investigative tool. There's other tools if it's	1 hundred percent.
2 not available.	2 Q. So if acute cauda equina syndrome is
3 Q. Let me begin again.	3 suspected in a patient does the standard of care
4 For a patient in which cauda equina	4 require an MRI to be performed if the MRI is
5 syndrome is suspected the best diagnostic tool	5 available and there's no contraindication in the
6 is an MRI.	6 patient for performing the MRI?
7 A. I think that in most contexts that's	7 A. If it's acute I <b>think</b> he ought to get
8 the primary diagnostic tool. In point of fact,	8 it emergently.
9 in one of the cases that I related to you the	9 Q. Is it appropriate for the physician
0 patient could not get an MRI, so he had to get a	
1 CT myelogram. But that's again I think you're	
2 just talking technology. You need to get a	12 MR. ROSMAN: Objection.
3 definitive diagnosis through a definitive study,	
4 and most often that's the MRI scan.	14 Q. Yes.
5 Q. At least in the 1990s, since the	15 A. I would think it's inappropriate.
6 1990s, MRI has been the gold standard for	16 Q. Why is that?
7 diagnosing cauda equina syndrome, hasn't it?	17 A. I mean, absent the fact that the
A. I don't like to use I mean I	18 patient is absolutely, you know, a
9 wouldn't fault anybody for getting a myelogran	
0 and showing there's you know, and deferring	-
the MRIscan. That's not inappropriate at all.	21 management, I <i>think</i> you need to, in that
2 If the MRI is available it's generally the best	22 clinical context, arrive at a diagnosis and find
3 or the screening test, and it's the easiest	23 out if it's a surgical problem.
4 to obtain, but if it's not available or there's	24 Q. And the only way to find out if
	Page 114 Page
1 an obese patient or a patient with a pacemaker	1 there's a structural pathology involved like a
2 that precludes MRI, there's other studies that	2 massive disc herniation is to perform an MRI or
a can be obtained and are definitive, and I think	3 similar imaging study, correct?
you're just trying to get a definitive	4 A. Or something, correct.
5 diagnosis.	5 Q. If they failed to do that that would
6 Q. Would you agree in this patient,	6 be below the standard of care.
given the size of her disc herniation, even a CT	7 MR. ROSMAN: Objection.
3 scan would have shown the compression?	8 A. I think the value of coming to a
A. A plain CT scan?	9 diagnosis in that presentation I would infer to
Q. Yes.	10 be below the standard of care.
a. Most commonly you can see that. You	11 Q. Why is that?
know, I I I think there's a possibility if	12 A. Why is why is do I infer that
of a false negative or a confusing picture. I	13 on
would <i>think</i> not that it takes all that much	14 Q. Why would that be below the standard
time, but I think a CT myelogram would probabl	-
be better if you're going to go to CT than just	16 A. Because it would result in a
limiting it to a plain CT, but at least the	17 misdiagnosis or a delay in diagnosis of a
literature on CT diagnosis of disc herniation	18 problem that's an acute emergency, and would
was that it had a reliability in the 98 plus	19 then, because of that, result in potentially
percent, so it might very well show this.	20 irreparable neurological deficit.
Q. What's the reliability for showing a	21 Q. Are you able to quantify the amount
cauda equina syndrome on an MRI?	22 of compression that a disc fragment or fragments
<b>A.</b> It's probably equally high, 98	<ul><li>22 of compression that a disc fragment of fragments</li><li>23 like that in Bonnie Pikkel actually placed on</li></ul>
percent. Maybe I don't know if anything is a	24 the nerve?

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	7 P
	1 resolves, and then returns again. Is there some
	2 clinical significant between the fact that the
	3 numbness resolves and then re-occurs, in terms
	4 of damage to the nerve?
	5 A. <i>You</i> know, all the while they have the
	6 retention, you're talking?
	7 Q. Correct.
	8 A. I mean, you know, it could be I
	9 think when a nerve is compressed or injured
	10 there could be a an impact of such where
	11 there's a loss of function that then the nerve
	12 has recovery from, and then with the proceeding
	13 natural, say, swelling or processes, it can then
	14 recede again. I mean, that's a possibility. It's
	15 like a concussion, and then you recover, and
	16 then you have a secondary decline from, you
	17 know, the hemorrhage in your head that initially
	18 wasn't big enough, it was really the concussion.
	19 So there may be an element of a concussive
	20 effect that then you recover from, only to then
	21 progress as the compression now continues in its
	22 duration.
	23 Q. So if
	A. I guess that's possible. I
	Pa
	1 Q. So if we have <i>urinary</i> retention, we
	2 have perineal numbness which then resolves, does
	3 that suggest that there's some chance at that
	4 point that the nerve can recover, is in the
Q. How much	5 process of recovering?
A. That's significant to me.	5 A. Well, maybe some of the nerve. Not
Q. How much of the nerve is being	7 all of the nerves. If, you know it may
compressed or by what amount of force you	8 suggest something. I don't know.
wouldn't be able to say.	9 Q. Would that suggest that if you treat
A. Well, how much, again, are you	10 it surgically at that point, when the numbress
talking longitudinally? It doesn't matter how	11 is resolved, that you can have a higher
much longitudinally as long as it's enough to	12 likelihood of success than if you wait until the
disrupt the function of the nerve. I mean	13 perineal numbress returns and then do surgery?
generally in these cases it's a pretty big	14 A. Well, I think just the general tenet
fragment, so there's somewhat of a longitudinal	15 is, you know, if you wait until further things
expanse of a couple, the e centimeters where	L6 develop the chance of the recovery that you have
there's actually compression. I mean, the actual	17 is less than if you involve yourself before
pressure that creates or the force of that?	18 those additional things develop, so
Again, I don't know the value of that. You know,	.9 Q. Isn't it a general tenet in
-	-
I just think of it as whether it's clinically	10 neurosurgery that if you get them before further
-	11 damage occurs you can usually prevent the
I just think of it as whether it's clinically	
I just think of it as whether it's clinically significant or not.	11 damage occurs you can usually prevent the

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Page 117 - Page 120

PIKKEL V ZANNETTI (	Cond nsel	t! <sup>1M</sup>	B. BLUMENKOPF, 3/27/
Pag	e 121		Page 1
1 irrespective of what is done, but	1 m	neet <b>the</b> standar	d of care?
2 Q. In the case where you've got a	2	A. Well, gett	ing a diagnostic imaging
3 massive disc herniation with cauda equina	3 st	tudy.	
4 syndrome that causes perineal numbness which is	4	Q. MRI?	
5 then resolved, doesn't that suggest if you do	5	A. Well, we	said MRI generally, yes.
6 surgery at that point in time you will arrest	6	MR. MALC	NE: If you have another line
7 any further perineal numbness?	7 of	f questions we'	ll have to call this guy. It's
8 MR. ROSMAN: Objection.	8 no	ow seven minu	tes past the hour, and he'll be
9 Q. More likely than not?	9 de	ownstairs in thi	ree minutes.
10 MR. ROSMAN: Objection.	10	MR. ROSM	AN: And I've got questions.
A. If it if the subsequent progress	11	MR. LINTO	N: You do?
12 is due to the compression and you resolve the	12	MR. ROSM	AN: Yes, I do. But I've got
13 compression, you know, I would assume that	13 m	aybe about five	e to ten minutes worth.
14 you're going to prevent the recurrence. Like I	14	MR. LINTC	N: Probably have him come at
15 say, if it's due to swelling, if it's due to	15 5:	30.	
16 some other effect, you know, I don't know, but	16	(Short rec	ess.)
17 in general if you're going to try to present	17	Q. Doctor, in	terms of the I'm going
18 that waxing and waning scenario one mechanism	18 to	shift focus nov	w and talk about your
19 might be a concussive effect, but then there's	19 ex	perience testify	ying in cases like this.
20 some recovery and then a continued compression	20	Can you te	ell us approximately how
21 that results in the recurrence, sure, if you	21 m	•	alpractice cases you've been
<sup>2</sup> resolve the compression before the recurrence	2 in	volved in wher	e you have provided expert
3 it's certainly less likely it will be than if	13 tes	stimony?	
'4 you didn't resolve it.	!4	A. In court or	in deposition, or what
Page	122		Page 12
1 Q. Would it be below the standard of		e you referring	÷
2 care if a physician who is qualified to diagnose	2	• •	talk about, first of all,
3 cauda equina syndrome who sees a patient with a		-	al malpractice cases have you
4 26-hour history of urinary retention, who has		viewed?	i i i i i i i i i i i i i i i i i i i
5 perineal numbress that may have resolved, to			loing it about 15 years.
6 simply place a catheter in that patient,			v, about on the order
7 diagnose the patient as having urinary			e five a year. Then more
8 retention, and send her home with no further		• •	out maybe one a month, say 12
9 diagnostic tests or studies?		•	on the order of a hundred, 150.
3 MR. ROSMAN: Objection.	-	lon't know.	
1 MR. MALONE : Objection.			that the overwhelming
2 A. I <i>think</i> that would be inappropriate.		-	cases, Doctor, have been for a
3 Q. Why would that be inappropriate, in		• •	ler, either a doctor or a
4 your judgment, Doctor?		spital?	
5 A. Because I think that if you're going		-	<i>think</i> that's initially
5 to if you're you <b>think</b> that you're having			as true. More recently it's,
7 a diagnosis of cauda equina syndrome you need to			nore balanced. I can't give you
3 rule out and it's acute, acute cauda equina	-	exact balance.	
<i>y</i> syndrome you need to rule out any potential			t the overwhelming majority
treatable cause, because we stated earlier that		your time?	a die over whemming majority
it's a surgical emergency. So I wouldn't think	-	•	n. Say the first number
2 that there's any justification, if that's your			recent then I started
3 diagnosis, for not investigating it further.	-	•	whole plaintiff's side, and
	→ geu	ung it nom me	whole plantin s slue, alle
4 Q. How do you investigate it further to	-	t started so I	I just review cases on

Page 121 - Page 124

3IKKEL V ZANNETTI	CondenseIt! <sup>™</sup> B. BLUMENKOPF	
	Page 12:	Pa
1 request if I <b>think</b> I can handle the case from	•	
2 knowledge-based standpoint, and then I prov		
3 an opinion regardless of where it's from or		
4 is involved, unless I know the person. Then		e th
5 won't do it.	5 in his deposition?	
6 Q. Are you saying that now it's equally	6 MR. <b>ROSMAN</b> : Objection.	
7 balanced, patient versus doctor or hospital?	7 A. I read his deposition. I don't recall	
8 A. I don't h o w that it's equally, but	8 specifically that commentary. I have it here if	
9 it's, you know, maybe 40/60, 30/70 at times	9 you want to refer me to it.	
10 Q. Stillmore	10 Q. Assume that is in his deposition,	
11 A. I get a number of plaintiff cases,	11 Doctor. Does that surprise you, that an	
12 and I don't keep a balance sheet.	12 emergency room doctor like Dr. Spaner is	
13Q. But still more weighted to the	13 qualified to make the diagnosis of cauda equin	na
14 hospital or doctor as opposed to the patient.	14 syndrome?	
15 A. I'd say if you summed it up from the	15 A. Does it surprise me?	
16 beginning, yes, but	16 Q. Yes.	
17 Q. If you were to sum it up from the	17 A. No.	
18 beginning what would be the percentage tota	18 Q. Don't you expect that a	
19 cases of a-hundred, 150		oulo
20 A. Maybe 30/70.	20 be able to diagnose cauda equina syndrome?	
21 Q. Doctor, it's true that you have	A. I <b>think</b> he certainly should be able	
2 testified in other cases as to the standard of	22 to be cognizant of that concern, and then to, as	5
23 care of emergency room physicians, haven't		
A. I've testified in other cases that	24 from people that may be have a higher	
	Page 12t	Pa
1 involved emergency room physicians, and	1 expertise as to that issue, but	
2 addressed, you know, issues. I don't know th	tt I Q. So the emergency room physician would	d
3 specifically would say I stated an opinion ab	3 be required to either do the necessary test to	
4 an emergency room standard of care. I gener	lly 4 diagnose the condition or consult with a	
5 relate that to an emergency room expert. But	f 5 specialist such as yourself.	
6 it was a neurosurgical issue in the context of	6 A. That's generally been my interaction	
7 the emergency room, I would have opinions	ho 7 in that context, yes.	
8 that.	8 Q. If a doctor fails to do either,	
9 Q. Certainly you're qualified to render	9 conducts no clinical examination of the perine	al
10 opinions on neurosurgical issues in the	10 area or rectal tone and orders no diagnostic	
11 emergency room context given the number of	years 11 studies, such as an MRI, but simply sends the	
12 you've spent working with emergency room	12 patient home with a catheter in, despite a	
13 physicians in diagnosing and helping to treat	13 26-hour history of urinary retention, and never	•
14 neurosurgical issues.	14 calls any neurosurgeon, that would be below th	e
15 A. Correct, and, you know, I but if	15 standard of care of an emergency room physici	ian,
16 you asked me whether this I think it would	be 16 would it not?	
17 my opinion, at least, that there are $\mathbb{E}\mathbb{R}$ or	17 MR. ROSMAN: Objection.	
18 emergency room doctors that should or would	18 A. Again, I <i>think</i> that you know, I	
19 relate better to their own expertise or standar	19 don't want I don't want to necessarily	
20 of care than maybe I would, as a neurosurged	-	
21 but the issues themselves I could certainly	21 have addressed the standard of care of an	
22 address and, as I said here, you know, in the	22 emergency room physician. I think I've already	7
23 generic sense, my opinion about standard of	23 testified that the if cauda equina syndrome	
24 care.	24 is a concern I think acute cauda equina	

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PIKKEL V ZANNETTI	Conde	nselt!	B. BLUMENKOPF, 3/2
	Page 129		Pag
1 syndrome, needs to be evaluated, needs to be		1 minutes after	er. I have told you that I have about
2 consulted for. Whether this gentleman's		2 ten minutes	of testimony, and I intend to do my
3 performance in this context met his discipline's	S	3 ten minutes	
4 standard of care I think is best addressed by		4 MR. I	INTON: I'll give you as much
5 that discipline's experts.		5 time as you	need to.
6 Q. Doctor, did you see any effort by Dr.		6 MR. F	ROSMAN: Okay.
7 Spaner in this case to either conduct an		7 MR. L	INTON: I'm not here to cut
8 appropriate evaluation and examination or call		8 anybody's e	examination short.
9 in a specialist?		9 Q. Doct	or, again, the standard of care
0 MR. ROSMAN: Objection.		10 for an emer	gency room doctor like Dr. Spaner,
1 Q. Despite suspecting cauda equina		11 who admits	that he is qualified to diagnose
2 syndrome.		12 cauda equir	a syndrome, assuming he says that it
3 MR. ROSMAN: Objection.		-	differential, is required to either
4 A. Well, I don't see that he suspected		14 refer or to d	o further testing, correct?
5 cauda equina syndrome in his documentation. I		15 MR. F	OSMAN: Objection.
6 don't see that he sought consultation in his		16 A. You	know, I think I I think I
7 documentation.			Dr. Bell's opinion that, you know,
8 Q. You didn't see in his deposition that		-	eft, in a sense, to the ER or
9 he had cauda equina syndrome on his		19 emergency	physicians, to address their standard
) differential?	1		ink I said that if you have acute
<b>A.</b> I don't recall the specifics there.			a syndrome it needs to be
2 Q. I want you to assume that it was his	1	-	ly evaluated and, you know, possibly
3 testimony, if he testified he was qualified to	1	-	anaged. Whether this gentleman, in
4 diagnosis cauda equina syndrome and he furthe	F	•••	ifies to and evaluates, meets his
	Page 130	······	Pag
1 testified that it was on his differential, did	0	1 standard of	care I think is left to them. He
2 not the standard of care require that he either			you know, from my recollection,
3 do further testing and examination or call in a		•	as a normal exam, and he thought
specialist?			he says he <i>thinks</i> about it, and if
<b>A.</b> Well, I also recall that he testified			s that, I don't you know, I don't
5 that he did a full neurologic exam and it was			could say that is not or is within
normal. I don't recall about the rectal exam.			e's standard of care.
But, you know, I <b>think</b> at some point there's a			d there be a different standard
threshold where he has to make a decision			applies to an emergency room
whether this is or is not of concern. Again, I		0 doctor?	
<b>think</b> the standard of care for him is his			e back up. Isn't the diagnosis
discipline, and if he considered it then I think	1		ina syndrome the same whether it's
it needs to be either evaluated or if the	1	-	by a neurosurgeon or a neurologist or
standard of care says he should consider it I		Ũ	y room physician or a neurosurgical
think it needs to be evaluated or it needs to be		-	that matter, isn't it the same in
consulted upon.			you make the diagnosis?
Q. And the evaluation is to be done by	1		DSMAN: objection.
doing the pin-prick examination and the rectal	1		think that's true, but I don't
tone			e standard of care for the different
A. Well, I'm talking about that			the same. No, I <b>think</b> it must be
I'm talking about more neurodiagnostically		—	d the context in which you find
evaluating or consulting.			iess, must be different. I, as a
Q. So the standard of care	1	• •	otherwise, why do we have such
Q. So the standard of care MR. ROSMAN: Mr. Linton, it's about 18		Ũ	cialties and hold ourselves to
		TTER, MA.	Page 129 - Page

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Page 129 - Page 132

	CONTRACT	seIt! <sup>™</sup>	B. BLUMENKOPF,	3/27/0
	age 133			Page 13
1 different levels of expertise? That would be my		who had on	his differential diagnosis list acute	
2 understanding.		2 cauda equin	a syndrome, to not perform an MRI	or
3 Q. Because emergency room doctors don't		3 not to call in	a specialist? That would be	
4 operate.	4	appropriate?		
5 MR. MALONE: Sure they do.	4	5 MR. <b>R</b>	SMAN: Objection.	
6 Q. Isn't the standard of care for an ER	(	6 A. I didn	't say that would be	
7 doctor when faced with an acute cauda equina	1	7 appropriate.		
8 syndrome patient to, at a minimum, order	8	8 Q. Would	l it be inappropriate?	
9 diagnostic tests or consult a specialist such as	9	A. I would	d <i>think</i> if he has if he has	
10 yourself?	10	) a concern or	a consideration of acute cauda	
11 MR. MALONE: I'm going to object.	11	equina syndi	rome, as I said, he should proceed	
12 You're just getting argumentative now.	12	2 with investig	ative studies or a consultation.	
MR. LINTON: I'm not getting	13	3 Q. Invest	igative study being an MRI.	
14 argumentative.	14	A. Some	investigative diagnostic study,	
15 MR. MALONE: You are, Bob. He said if	15	5 imaging stud	y, yes.	
16 it's considered it should be ruled out. I don't	16		onsultation.	
17 see where this guy Spaner ever said he would	17	7 A. Or to	get a consultation to see if	
18 consider it. It would be really low on his list	18	that is or isn	t appropriate or needed. You	
19 because you have pain, and he's agreed as to how			defer that to the higher expertise.	
20 you diagnose it	20	But whether	my standard of care, when I'm	
Q. If a qualified physician simply has	21	consulted in	that context, is the same as his, I	
22 it low on his differential list, Doctor, is it	22	don'tknow.		
23 acceptable, then, to not order an MRI?	:13	MR. LI	NTON: I may have a few more	
A. I think if you arrive at the	24	questions. In	the interest of time	
Pa	ige 134	in fine an an an an An An Linky		Page 13
1 diagnosis of acute cauda equina syndrome you	1	MR. RO	SMAN: Mr. Linton, I think	0
2 need to proceed with investigative studies.	2		ed, in the last couple of minutes,	
3 Q. Which means taking an MRI, correct?		•	o cover, so go ahead.	
4 A. Fine, we've already established that.	4		NTON: I'm just about done. I	
5 I thirk that the presentation to the emergency	5		consult with my co-counsel	
6 room is urinary retention, and whether in the	6		F: Bob, you don't need to talk	
7 context of that presentation and in the findings	7	to me.		
8 that he says he found in his deposition or that	8		LONE: Are you still awake, Ruf,	
9 are documented the emergency room physician is	9		eping back there?	
0 below the standard of care or not, I think is an	10	•	IF I'm still here.	
1 issue for the emergency room physicians. You're	11		LONE: I know you're sleeping. I	
2 telling me it's an acute cauda equina syndrome.			. I can hear you snore.	
3 That's not what this is a presentation of	13	•	F: You don't need to talk to	
4 urinary retention. Yes, that could be acute	1	me, Bob.		
5 cauda equina syndrome and, yes, in this case it	15	(Short	recess.)	
6 was acute cauda equina syndrome. That's what	16		did the standard of care	
7 I've come to, in looking at this. But			ell to perform the surgery that he	
8 prospectively, on the presentation, how and what	18	did when he d		
	19		it's entirely appropriate.	
is the standard for the emergency room doctor of	1	Yeah, I think		
<b>-</b> .		round round		
that complaint, of that presentation, I would	1	O Would	it be below the standard of	
<ul> <li>9 is the standard for the emergency room doctor of</li> <li>0 that complaint, of that presentation, I would</li> <li>1 think is in the domain of their experts. And I</li> <li>2 haven't been asked to look at that</li> </ul>	21	-	it be below the standard of	
<ul> <li>that complaint, of that presentation, I would</li> <li><b>think</b> is in the domain of their experts. And I</li> <li>haven't been asked to look at that.</li> </ul>	21 22	care for him to	o not perform it or at least not	
0 that complaint, of that presentation, I would	21 22 23	care for him to		

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Page 133 - Page 136

PIKKEL V ZANNETTI	CondenseIt! <sup>™</sup> B. BLUMENKOPF,	,3/27/0
	Page 137	Page 13
1 A. Well, I think it's the patient's	1 given actually more weight than Dr. Bell's	
2 decision, you know. You just can't do it. I	2 because you have relied on the outcome analys	sis
3 think he has to give her the options, and	3 by this Indiana study.	
4 certainly in this case I think it's the	4 A. I think the information contained in	
5 surgeon's responsibility to make it clear to the	5 that Indiana study has a lot greater weight with	1
6 patient the consequences of no surgery, so in	6 regard to the likelihood of the recovery and	
7 that sense I think you have to provide not only	7 outcome than one individual experience, with	
8 information, but advice. And I think the advice	8 regard to probability and likelihood.	
9 should be that, you know, all things being	9 Q. And, therefore, your reliance on this	
10 considered, that the best opportunity or the	10 outcome analysis study should be given more	
11 best chance for recovery is to provide that	11 weight than Dr. Bell's opinion in this case?	
12 environment, and, you know, "You ought to	12 MR. MALONE: Objection. He really	
13 proceed," but I don't tell patients what to do.	13 can't answer that, because an expert cannot	
14 They make that decision for themselves.	14 opine <b>on</b> that which is a jury question. The jury	у
15 MR. ROSMAN: Could we go off the	15 decides who is to get more weight, upon hearin	ıg
16 record for a second?	16 the testimony, not an expert. An expert can't	
17 (Discussion off the record.)	17 tell the jury what to do. You're asking him to	
18 Q. Doctor, in all fairness, don't you	18 tell the jury what to do, and I'm going to tell	
19 think Dr. Bell is in a better position to talk	19 him not to answer it.	
20 about this patient's expected outcome, as her	20 MR. LINTON: Objection overruled.	
21 treating physician, as the one who examined her	21 MR. MALONE: Don't answer the	
22 as the one who operated on <b>her</b> , as the one who	22 question.	
23 saw her anatomy and followed her after the	23 MR. LINTON: Would you read back the	
24 surgery? Don't you think his opinion should be	24 question, please?	
I		Page 14
1 given more weight than yourself, as an outsider	1 MR. MALONE: You can read it all you	
2 who has come in and only spent a couple of hou		
3 evaluating the case?	3 MR. LINTON: Let me rephrase it.	
4 A. Well, the short answer, then, is no,	4 Q. Doctor, do you thirk your opinion,	
5 because what you're asking for is outcome	5 since it's based on the outcome analysis of the	
6 analysis. And we can't come up with a	6 Indiana study, is more reliable than Dr. Bell's	
7 responsible opinion regarding outcome without	7 opinion in this case?	
8 outcome analysis, based on one case or one	8 A. The reason I articulate that opinion	
9 impression of one case alone. We rely upon som		
0 kind of, you know, study or population analysis	10 germane and very reliable. And the reason I	
1 to try to know what outcome, you know, is more	11 express an opinion that differs, and I said in	
2 likely than not. So in that sense any individual	12 my little stickie that I disagree with his note,	
3 experience is not really an outcome analysis. We	13 is because I think that that's a number that	
4 really have a dirth of outcome analyses in all	14 needs to be arrived upon in the context of some	;
5 of medicine, and particularly in surgery, and I	15 outcome analysis study. I don't speculate on	
6 think the value of this proceeding of the	16 that. I don't talk from anecdotal evidence. I	
7 information that I'm aware of that I assure you	17 don't talk from one experience. I try to	
8 exists somewhere, albeit I don't know exactly	18 articulate an opinion as a, quote, expert,	
$\boldsymbol{\varTheta}$ where, is that that was a good outcome analysis,	19 unquote, based on information that I think is	
c) and I I don't know that an individual case	20 reliable from an outcome or from a statistical	
1 has the value and weight versus a study,	21 standpoint. So in the sense of weight, I think	
2 particularly in outcome analysis. That's why we	22 the weight of evidence that's based on some sort	t
3 have outcome analysis.	23 of population study, statistical analysis, is	
4 Q. So you thirk your opinion should be	24 much more valuable to me in expressing my	

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Page 137 - Page 140

PIKKEL V ZANNETTI	II <sup>™</sup> B. BLUMENKOPF, 3	
Page 1		
1 opinions and in, you know, practicing my	1 copies.	
2 medicine than any individual experience I may	2 MR. LINTON: Doctor, you've just	
3 have or anybody else may have.	3 placed green stick-ums on we're looking at a	
4 Q. Who do you <b>think</b> would be more	4 multi-paged transcript. Pages 30 through 33,	
5 competent to testify on the issue? Yourself or	5 pages 38 through 41, pages 54 through 57 and	
6 the author of the Indiana study?	6 pages 74 through 77, is that correct?	
7 A. What issue are you referring to?	7 THE WITNESS: Those are just for tabs,	
8 Q. The issue in this case concerning the	8 so I know where the other things are, yes.	
9 expected surgical outcome of surgery on Bonnie	9 (Deposition concluded.)	
10 Pikkel had it been performed after she first	10	
11 presented in the emergency room as opposed to	11	
12 waiting until she presented the second time.	.12	
A. Well, if he had data that was that	.13	
114 is more specific and significant than my	.14	
15 recollection of his data, I would have to	115	
16 address that data and see if that would, you	116	
17 know I'm basing it on my knowledge base, my	117	
18 recollection my understanding and, you know,	18	
19 the fact that, as I said, I came away from that	19	
20 very clearly with the understanding of that time	20	
21 frame, and, you know, I'm basing it on that	21	
22 data.	2D	
23 Q. Doctor, I started at the beginning	23	
24 telling you what I wanted to cover. I probably	24	
Page 14		
1 have covered it in more detail than you ever	1 I have read the foregoing, and it is a true	
2 wanted to, but I just want to be sure. Have we	2 transcript of the testimony given by me at the	
3 covered now all the opinions you hold in this	3 taking of the subject deposition.	
4 case and everything those opinions are based on?	4	
5 A. I guess the fair answer to that is, I	5	
6 hope so.	6	
7 Q. Is there anything else you need to	7	
8 add to make sure we've covered all of your	8	
9 opinions and everything you base your opinions	3 BENNETT BLUMENKOPF. MD.	
) on?	3	
1 A. That's entirely up to you, sir. I'm	1	
2 here to answer your questions.	12 -	
3 Q. Is there anything else significant in	13	
¥ your mind, Doctor, relating to Bonnie Pikkel's	14	
5 case that we have not covered?	15 DATE	
5 A. I don't believe so.	16 MI	
<sup>1</sup> MR. LINTON: Thank you very much.	17	
MR. ROSMAN: I don't have any	18	
v questions at this time.	19	
MR. LINTON: Just for housekeeping,	20	
1 can we give to the court reporter your original	21	
• • • •	22	
7 THE and hell color conv = or do you want		
<ul><li>2 file, and he'll color copy or do you want</li><li>3 color copies, Jim, or not?</li></ul>	22	
PIKKEL V ZANNETTI		B. BLUMENKOPF, 3/27/
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	Page 145	
<ol> <li>ERRATA SHEET</li> <li>I WISH TO MAKE THE FOLLOWING CHANG</li> </ol>	CEC	· · ·
3 IN THE FOREGOING TRANSCRIPT OF <i>M</i> Y DEPOSI		
4		
5 PAGE LINE CHANGE REASON		
6	-	
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1 MI		
2 BENNETT BLUMENKOPF, M.D.		
3		
4	· · ·	
COMMONWEALTH OF MASSACHUSETTS	Page 146	
WORCESTER, SS.		
I, MICHAEL GRUBER, a notary public in and for the Commonwealth of Massachusetts, do		
4 certify that pursuant to appropriate notice of		
5 taking deposition, there came before me the		
6 subject deponent, who was by me duly sworn; th	hat	
7 said witness was thereupon examined under oath		
8 and said examination reduced to writing by me;		
and that the deposition is a true record of the		
testimony given by the witness.		
I further certify that I am not a relative		
or amployee or counsel or attorney for any of		
c or employee or counsel or attorney for any of		
the parties, or a relative or employee of such		
the parties, or a relative or employee of such counsel or attorney, nor am I financially or		
the parties, or a relative or employee of such counsel or attorney, nor am I financially or otherwise interested in the outcome of the		
the parties, or a relative or employee of such counsel or attorney, nor am I financially or otherwise interested in the outcome of the action.		
<ul> <li>the parties, or a relative or employee of such</li> <li>counsel or attorney, nor am I financially or</li> <li>otherwise interested in the outcome of the</li> <li>action.</li> <li>Witness my hand and official seal at</li> </ul>		
the parties, or a relative or employee of such counsel or attorney, nor am I financially or otherwise interested in the outcome of the action.		
<ul> <li>the parties, or a relative or employee of such</li> <li>counsel or attorney, nor am I financially or</li> <li>otherwise interested in the outcome of the</li> <li>action.</li> <li>Witness my hand and official seal at</li> <li>Worcester, Massachusetts, this 2nd day of April 2001.</li> <li>My Commission Expires</li> </ul>		
the parties, or a relative or employee of such counsel or attorney, nor am I financially or otherwise interested in the outcome of the action. Witness my hand and official seal at Worcester, Massachusetts, this 2nd day of April 2001. My Commission Expires November 19, 2004		
the parties, or a relative or employee of such counsel or attorney, nor am I financially or otherwise interested in the outcome of the action. Witness my hand and official seal at Worcester, Massachusetts, this 2nd day of April 2001. My Commission Expires November 19, 2004		
the parties, or a relative or employee of such counsel or attorney, nor am I financially or otherwise interested in the outcome of the action. Witness my hand and official seal at Worcester, Massachusetts, this 2nd day of April 2001. My Commission Expires November 19, 2004		

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#### PIKKEL V ZANNETTI

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-\$-	-2-	<b>3:15</b> [2] 19:10 20:7	<b>8</b> [2] 18:6 26:19 <b>80</b> [5] 27:2 27:20	85:19 86:12 86:15 88:17 89:7 89:17
	***	-4-	28:9 95:19 95:14	89:18 90:12 91:20
\$1,400 [T] 11:14	$2_{[8]}$ 3:5 4:3		-	94:15 99:18 99:20
\$2,800[1] 13:20	13:16 26:9 26:10 29:4 <b>35:6</b> 45:4	4 [16] 2:13 3:4	-9-	100:6 100:8 100:1
\$350 [2] 9:22 11:16	<b>20</b> [3] 5:2 13:10	3:6 3:9 13:9 26:15 26:21 28:16		106:22 108:13 109:9 115:2 115:7 115:13
\$350-an-hour[1]	18:6	28:20 32:9 32:17	9/10/96 [1] 26:16	116:18 122:18 122:18
10:1	20-minute[1] 13:11	34:8 34:11 35:7	9/13/90 [1] 26:11	128:24 131:20 133:7
	-2001[2]1:12 146:19	45:4 49:1	<b>9/27</b> [2] 26:17 54:19	134:1 134:12 134:14
	- 2004[1] 146:21	40[1] 63:4	9/27/96[1] 54:16	134:16 135:1 135:10
"98 [2] 77:1 77:2	23 [4] 15:14 15:19	40/60 [1] 125:9	<b>9/28/96</b> [1] 26:17	add [1] 142:8
'99[1] 18:6	17:7 23:5	41[1] 143:5	<b>9/3</b> [1] 54:19	added[1] 61:19
'til [2] 92:3 92:7	24 [32] 66:13 66:14	44 [1] 69:9	9/4/96[5] 23:11	addition[5] 11:21
	_ 76:10 81:4 82:13	44113[2] 1:19	26:11 29:7 29:12 31:24	13:9 13:18 27:18 112:5
And your lives	82:20 82:23 87:9	1:22	<b>9/5</b> [1] 26:16	additional <sup>[8]</sup> 5:5
-and [1] 1:20	- 91:24 93:17 94:16 94:20 95:1 95:1	44113-2241[1]	9/5/96[4] 23:12	5:6 7:8 9:9
	_ 95:14 95:16 96:1	2:4	23:13 23:15 26:16	12:13 13:10 38:5
-0-	96:3 96:4 101:17	44114[1] 2:8	<b>90</b> [2] 95:18 95:19	120:18
	- 101:24 102:2 102:4	<b>47</b> [5] 18:11 19:6	95 <sub>[1]</sub> 75:12	address [13] 34:15
<b>0</b> 213[1]24:3	104:7 104:23 105:3	20:24 24:8 36:6	98 <sub>[2]</sub> · 114:19 114:23	57:10 57:16 58:5
<b>[[805[1]</b> 23:12	105:4 106:6 109:5 109:11 109:23 109:24	47-year-old[1]97:18	19.19 114:23	58:19 64:11 87:19 108:12 126:22 128:20
-1-	- <b>24-hour</b> [9] 22:17	<b>48</b> [29] 21:1 21:20 24:14 76:10 81:4	-A-	128:20 131:19 141:16
	-23:267:2167:23	82:13 97:10 99:8		addressed [5] 58:11
<b>1</b> [8] 3:4 4:3	87:4 91:2 93:7	101:14 102:4 102:12	ability[2] 37:5	93:12 126:2 128:21
18:4 26:8 35:5 45:5 61:14 63:4	103:19 110:3	102:12 103:15 103:15	able [12] 19:12 25:4	129:4
11/22/80[1] 26:10	<b>25</b> [5] 15:9 61:1	103:23 103:23 104:2 104:3 104:8 104:11	49:5 54:20 76:1	addresses [1] 106:21
<b>113</b> [1] 2:7	61:2 99:6 101:18	104:15 105:2 105:8	77:9 80:11 90:22	iddressing[6] 21:14
<b>119</b> [1] 2:7 <b>119</b> [1] 1:13	2500 [1] 2:3	105:19 105:24 106:4	116:21 118:9 127:20	53:19 59:3 60:15 64:18 66:2
<b>12</b> [1] 1:13 <b>12</b> [9] 3:8 3:10	<b>26</b> [4] 19:3 22:4 37:9 46:15	106:15 109:2 109:24	127:21	adjust[1] 20:24
3:12 66:11 91:23	<b>26-hour</b> [3] 22:8	48-15[1] 21:2	abnormal[1] 39:15	adjustment <sub>[2]</sub> 12:5
94:21 95:1 96:2	122:4 128:13	4: 15[1] 20:7	abnormalities [2]	12:7
124:8	27 [1] 1:11		38:5 40:3 absence [4] 41:5	administrative
<b>1</b> 12/14/00[1] 3:12	<b>2:30</b> [1] 1:12	-5-	42:5 44:24 45:1	69:1 69:9 71:17
<b>1</b> 3 [4] 18:11 24:7	<b>2nd</b> [1] 146:18	5 [3] 3:11 13:18	absent[1] 115:17	aidmission[2] 26:17
24:9 24:14		26:16	absolute [5] 24:17	26:18
<b>1</b> 4 <sub>[1]</sub> 65:5	-3-	<b>50</b> [2] 2:4 105:14	66:22 94:10 98:8	admits [1] 131:11
<b>1</b> 440[1]23:13	<b>3</b> [7] 3:7 12:24	500 [1] 117:15	105:15	advice[2] 137:8
<b>15</b> [13] 3:16 18:11 19:6 20:24 21:1	23:8 26:11 35:6	<b>54</b> [1] 143:5	absolutely [4] 5:21	137:8
21:21 24:8 24:15	45:3 45:3	<b>57</b> [1] 143:5	6:6 115:18 115:20	advise[3] 21:24 22:11 22:20
37:24 38:2 107:22	<b>30</b> [3] 5:2 105:14	<b>5:30</b> [1] 123:15	academic [4] 71:7 71:12 71:16 71:24	1
108:4 124:5	143:4			Advisors [1] 73:21 afternoon [2] 4:8
5-minute[1] 38:9	<b>30</b> /70 <sub>[2]</sub> 125:9	-6-	aicceptable[2] 133:23 134:23	82:18
50[2] 124:9 125:19	125:20	<b>6</b> [5] 3:13 15:7	access [1] 25:5	afterwards [1] 47:21
515[1]23:13	<b>300</b> [3] 1:18 75:4	15:7 17:20 26:17	accomplished [3]	again[37] 22:7
6[1] 69:6	83:22 326207 [1] 1:4	<b>6/25/99</b> [1] 3:15	66:11 66:12 66:14	22:14 23:1 23:14
1 <b>600</b> [1] 23:9	<b>33</b> [1] 143:4		according [1] 19:21	24:13 26:2 34:22
<b>8</b> [2] 61:8 130:24	<b>34</b> [3] 18:10 18:10	-7-	action[1] 146:16	35:15 36:13 40:2 48:14 49:16 54:16
19[1] 146:21	24:7	<b>7</b> [1] 26:18	activity [2] 10:3	48:14 49:16 54:16 60:17 63:21 67:20
903 [1] 23:11	<b>35</b> [14] 24:14 101:12	7/1/99[1] 18:4	52:24	69:2 70:10 83:9
.983 [1] 61:8	104:11 104:13 105:2	7/2/99[1] 3:8	actual [6] 11:16	87:23 96:21 100:18
990s [3] 77:22	105:7 105:19 105:23	7/8/99[1] 18:6	30:22 45:13 78:9	102:13 102:15 102:18
113:15 113:16	106:3 106:15 108:24	7/9/99 [2] 3:6	118:17 120:23	103:9 104:21 105:16 113:3 113:11 118:10
<b>996 [8]</b> 23:8 28:16	109:15 109:16 109:24	3:10	<b>acute</b> [58] 42:22 42:22 50:3 51:7	118:19 119:1 119:14
28:20 32:9 32:17 34:8 34:11 49:1	[35-13[1] 21:2	700 [2] 1:19 1:21	51:13 51:15 66:3	128:18 130:10 131:9
<b>34:8 34:11 49:1 000</b> ret 10:24 <b>15:0</b>	<b>350</b> [1] 13:20	74 [1] 143:6	75:17 76:2 76:6	against[1] 4:12
<b>999</b> [8] 10:24 15:9 15:14 15:19 17:7	36[1] 36:4	77 [1] 143:6	76:15 76:17 79:8	aggravated [1] 54:22
18:4 23:5 56:10	37 [1] 36:5	ыла — тетт	81:2 81:16 83:15	ago [3] 4:9 10:23
	:37-year-old[1] 36:2	-8-	84:4 84:6 84:9 84:11 84:14 84:18	65:6
	38[1] 143:5		84:11 84:14 84:18 85:3 85:10 85:13	agree [18] 6:3
		ILLOD CROCES	l	
IC CARTHY REPO	ORTING SERVICE	WORCESTER, M.	A.	Index Page

MC CARTHY REPORTING SERVICE WORCESTER, MA.

### PIKKEL V ZANNETTI CondenseIt!<sup>™</sup>

# agreed - car B. BLUMENKOPF, 3/27/0

, a			Which are an array of					JMENKOPF,	
6:7 8:23	27:1	applies[1]	132:9	available	8:9	45:20 45:21	46:3	Blumenkopf	[7] 4:1
27:23 27:24 28:19 31:24	28:15 51:1	apply[1]	146:23	10:8 113:2 113:2 113:2	113:22	67:20 Roll rol 20:17	00.10	1:8 2:11 4:8 7:19	4:1 144:9
28:19 31:24 55:12 56:21	51:1 84:11	appointments	S[1]	{	1:19	Bell [9] 30:17 56:10 96:12	30:19 96:18	4:8 7:19	177.2
99:17 100:3	108:22	72:21		Avenue <sup>[2]</sup> 1:21	1.17		96:18	board [1]	67:15
114:6 131:17		apprenticeshi	ıp[1]	awake[1]	136:8	137:19		board-certifie	
agreed[1]	133:19	69:23	00.01	awake[1] aware[9]	136:8	Bell's [10]	26:21	62:16 62:18	88:9
ahead [2]	33:16	approach[2] 90:2	89:21	14:19 27:3	34:4	27:13 31:2	42:15	127:19	
136:3		appropriate[8	1 96:01	53:2 64:20	93:16	52:8 56:22	131:17	Bob [11] 4:9	14:22
ahold[1]	107:18	115:9 129:8	135:4	93:20 138:17		139:1 139:11 Belmontru		58:22 61:12	68:2 112:18
<b>al</b> [3] 1:3	1:5	135:7 135:18	136:19	away [4] 65:15	65:19	Belmont[1]	1:13	<b>88:1</b> 100:1 133:15 136:6	112:18 136:14
69:9	aa a-	146:4		65:21 141:19		below [7] 116:10 116:14	116:6 122:1	body [1] 41:10	
albeit <sub>[2]</sub> 138:18	33:22	April [1]	146:18	-B-		128:14 134:10	136:21	Bonnie[21]	1:3
almost [3]	10:22	area[14] 40:9	40:19		- 02	benefit [2]	39:1	18:19 28:20	31:24
almost [3] 61:8 108:4	10.22	41:6 41:9 41:12 41:13	41:11 41:15	background	.] 83:19	99:14		32:9 34:7	43:3
alone[5]	45:4	41:12     41:13       41:15     43:19	53:1	bad [1] 84:1	-	Bennett [5]	1:8	44:17 47:7	48:10 51:5
45:4 46:12	46:13	73:22 112:8	128:10	baked [1]	86:3	2:11 4:1	144:9	48:24 49:13 51:15 52:12	51:5 53:22
138:9		areas [3] 39:18	68:10	balance[2]	124:18	145:22	0.17	96:24 108:24	116:23
	44:11	68:15		125:12	101	best [19] 7:1 15:16 36:24	9:15 61:21	141:9 142:14	
67:16	10 5	argumentativ	'e[2]	balanced [2] 125:7	124:17	62:1 66:19	61:21 87:16	<b>bony</b> [1] 118:4	
always [2]	49:2	133:12 133:14		125:7  ballpark [1]	40.5	89:18 97:20	109:11	book [1] 12:3	
64:5	73.10	arrest[1]	121:6		40:5	110:4 112:24	113:5	booked [1]	12:9
1	73:18	arrive[3]	42:2	bank [1] 108:16		113:22 129:4 137:10 137:11	131:18	books [1]	57:22
among [2] 94:3	35:2	115:22 133:24		base [6] 18:13 66:19 87:16	42:7 141:17			bottom [2]	15:1
	10:9	arrived[1]	140:14	142:9	* 1 <b>* •</b> * <i>l</i>	<b>better [10]</b> 81:11 94:20	60:22 97:14	15:2	
amount[6] 11:21 13:19	10:9 72:3	article[3] 59:11 67:16	58:13	Ibased [38]	5:24	99:22 101:12	109:15	bowel [5]	34:13
116:21 118:8	<del>.</del>	articles [1]	59:6	6:8 6:10	6:24	114:16 126:19	137:19	50:12 52:18	53:23
	138:14	articles [1] articulate[2]	59:6 140:8	19:1 19:12	22:7	between [17]	41:10	55:8	75.10
analysis [12]	138:6	articulate[2] 140:18	TAN'Q	28:13 33:10 89:21 91:3	56:19 91:9	41:11 84:18	94:3	brain [2] 75:9	75:12 75:5
138:8 138:10	138:13	aside [3] 12:11	16:7	89:21 91:3 92:17 <b>94:8</b>	91:9 95:10	95:13 102:4 102:11 103:22	102:4 104:10	break [1]	75:5
138:19 138:22	138:23	83:13		97:22 98:1	101:10	104:13 105:7	105:14	brief [2] 81:1	81:4
139:2 139:10 140:15 140:23	140:5	assessment [1]	34:24	101:15 102:8	102:15	105:18 106:15		bring [2] 34:22	10:13
anatomically	1 <b>1</b> 1	assistant[1]	72:15	103:20 104:6	104:19	119:2			107:21
117:24		associate[1]	72:16	104:21 105:5 105:19 106:7	105:12 108:22	lieyond [3]	7:17	brochure [1]	107:21 104:8
	137:23	associated[1]		109:11 110:8	108:22 138:8	56:7 91:24		lbrought [1] Building [3]	
•	110:6	assume[17]	4:18	140:5 140:19	140:22	bias [2] 33:19	34:23	Building [3] 1:21 2:7	1:18
140:16	<u> </u>	5:19 12:19	16:14	142:4		liiases [1]	33:9	bulging [1]	101:4
annotation[1]	64:8	17:20 19:22	21:12	basing [6]	30:18	<b>big</b> [6] 43:11	81:18 118:14	buttocks [1]	101:4 50:24
answer[17]	6:13	21:23 23:17 67:9 70:4	26:20 78:12	87:23 102:18 141:17 141:21	100:18	104:23 105:2 119:18	118:14		ಲ್ <i>. ಬ</i> ೆಗ
7:1 7:16	22:4	67:9 70:4		<b>basis</b> [14]	21:5	bilateral	44:2		
	33:8	129:22		34:15 37:5	21:5 37:12	<b>611atera1[3]</b> 44:14 45:7	ст <b>.</b> 4		
	89:13 139:13	assuming [4]	22:22	45:20 67:20	68:6	bilaterally [4]	44:22	C <sub>[1]</sub> 1:15	_c 1- ·
139:19 139:21	142:5	24:2 37:8	131:12	68:8 71:21	73:5	45:1 45:2	45:10	6-z-e-r-w-i-n [1] 15:1	
142:12		assumption[2]	45:8	73:6 88:22	102:23	billed [1]	12:14	<b>C.A</b> [1] 1:4	
answered [2]	88:19	48:12		102:23 Bearing u	2.14	billing [2]	9:17	C.A [1] 1:4 calculated [1]	24:4
104:18		assure [1]	138:17	Bearing [1]	3:14 46:17	10:16		calculated [1]	24:4 1 <b>2:3</b>
		attached[1]	15:11	became[1]	46:17 64:20	bizarre [1]	35:24	calendar[1] calls [3] 110:11	
21:23 102:22		Attachments	1]	become[1]	64:20	blacked [1]	14:4	<b>calls</b> [3] 110:11 128:14	110:10
	6:20	3:16	ac	becomes [2] 117:20	8:9	bladder [25]	22:2	canal [2]	118:1
antecedent[1]		attempt [1]	36:22	began [2]	45:22	34:13 35:23	37:3	118:4	ىلەرىپە بىر. مەرب
anticipation [1]		attendant [1]	101:6	46:4	73.44	<b>43:5 43:8</b> 44:1 44:15	43:14 44:18	candidate[1]	115:19
85:7		attended [6]	63:17 64:10	begin [1]	113:3	44:1 44:15 44:23	44:18 45:2	cannot [3]	94:1
1 7 7 7 7 7	131:8	63:23 64:2 65:11 87:7	64:10	beginning [4]	48:7	45:4 45:5	45:6	94:5 139:13	
	56:4		146:12	125:16 125:18	48:7 141:23	46:8 47:9	47:14	care [42] 16:16	25:21
		attorney[2] 146:14	140.12	begins [1]	29:6	47:17 50:12	50:23	56:24 59:21	60:8
	86:1	auspices [1]		begun [1]	29.0 47:14	52:19 53:24	55:9	62:7 69:8	74:11
86:2 86:3 apples [2]		author <sup>[2]</sup>		behalf [2]	4:14	block [5] 1:21 17:22	1:18 117:5	111:6 111:11 112:6 112:12	111:24 115:3
86:3	85:23	141:6		16:19		1:21 17:22	· · / · · ·	116:6 116:10	116:15
application [1]	71:10	authored[1]	67:10	belief [5]	30:15	Bluebell	73:20	122:2 123:1	124:13
-rrmuion[1]		L-3							
MC CARTHY	REPO	RTING SEP	VICE	WORCEST	ER M	A		Index	x Page 2

MC CARTHY REPORTING SERVICE WORCESTER, MA.

#### CondenseIt!

#### case - contraindicate **B. BLUMENKOPF, 3/27/0**

125:23		126:20	100:8		106
126:24	128:15	128:21	106:23	108:13	
129:4	130:2	130:11 131:9	111:7 112:14	111:18	3 111
130:14	130:23	131:9	112:14	113:4	113
131:20	132:1	132:7	114:22	115:2	121
132:9	132:19	133:6	122:3	122:17	122
134:10	135:20	136:16	127:4	127:13	127
136:22			128:23	128:24	
case [6	61 5.23	7:5	129:15	129:19	
9:2	9:7	9:14	131:12	131:21	132
	10:14		133:7		
12:20	12:21	13:2	134:15	134:16	135
13:15			135:10	I	
16:14	18:15	26:12	causat	ion [1]	21:
30:23	31:11	36:1	caused	1 .	10.0
36:9	36:10	42:13	43:6	<b>1[5]</b> 43:7	47:5
43:3	45:9	47:7	54:22		
51:15	52:4	57:2	causes	1 [1]	121
57:7	66:18	68:7			
72:23	73:8	74:10	causin	g [2]	47:8
74:16	74:18	74:20 79:12	49:13		
75:18				[1]	
81:19	87:5		centin	leter [1]	117
87:19	89:14	96:13		eters [1	
110:5	112:18	112:23		ily [29]	
121:2	125:1	127:2 134:15	8:20	16:1	20:2
127:23	129:7	134:13	39:17	42:6	46:8
137:4 138:9	138:3	138:8 139:11	47:12		78:1
130:9	138:20	139:11 142:4	82:16	85:16	86:8
142:15	141.0	144.4	87:11	90:24	91:8
		5.6	93:3	97:15	99:2
cases [		5:6	104:2	97:15 104:3	104
5:6 16:14	16:3	16:6 16:21	109:6	117:18	121
17:3	16:18 17:13	73:4	126:9	126:21	127
73:5	74:6	74:19	137:4		
79:8	83:13	83:15	certain	tvrii	55:1
83:17		83:22	certific		
84:4	85:20	86:22		146:22	
88:18	89:8	89:16	certify		
97:13	113:9	118:14	146:11	[4]	140,
97:13 120:23	123:19	118:14 123:21			140
124:3	124:12	124:24	certify		146:
125:11	125:19	125:22	CES [1]		
125:24			chance	[17]	15:6
at [2]	115:11	117:17	66:13	66:15	
Catego		63:4	95:24	96:1	96:3
			97:11	97:14	98:1
athete		39:5	98:20	99:5	99:1
122:6	128:12		101:13	120:3	120:
	erizatio	<b>n</b> [1]	137:11		
38:24			hange	[8]	24:1
auda		18:20	31:7	60:10	60:1
28:16	28:21	29:7	60:18	94:24	102:
29:12	30:9	32:1	145:5		
32:8	33:7	36:12	hange	drai	59:23
36:15	36:21	41:20	60:2	60:13	
48:9		49:13	hange		24:10
51:1	51:16	52:13	24:17	60:8	60:9
53:8	53:16	54:23	61:24	145:2	00.2
55:9	57:11	58:6			onre
58:6	58:20	59:4		terizati	UII[1]
59:10	59:22	64:11	30:1		o · -
55:13	66:2	66:6	charge	[5]	9:19
57:5	67:12	67:24	9:21	10:1	12:19
/5:17	76:2	76:6	12:22		
30:2	83:15	84:4	chargin	<b>g</b> [2]	11:1:
34:11	84:19	85:19	11:20		
36:21 90:12	88:17 93:13	89:7 93:19	:heck[7		11:6
4:15		93:19 99:19	16:12	39:6	39:8
· Teller	11.20	11.12	1		

÷

( , <sup>, ,</sup>

100:19		39:9 39:16	40:8	C
108:13	109:9	checks [1]	62:9	
113:4	3 111:22 113:17	Chicago [1]	73:22	
115:2 122:17	121:3	<b>Chief [3] 69:10</b> 71:17	71:5	C
127:13	127:20	china <sub>[1]</sub>	60:4	ˈˈc
128:24	129:11	chiropractic	3]	C
129:19	129:24 132:12	19:8 23:8	37:10	с
134:1	134:12	choose [1] chronic [16]	42:3 54:18	U
134:16	135:2	55:2 68:19	75:11	с
ion [1]	21:14	76:15 84:8	84:12	
[5]	43:2	84:16 84:21	85:2	C
43:7	47:9	85:11 85:14 86:11 86:17	85:19 86:21	C
		citation <sub>[1]</sub>	59:9	С
[1]	121:4	city[2] 81:22	81:23	
g [2]	47:8	Clair [3] 1:19	1:21	C
[1]	1:13	2:7 clarification		C
eter [1]	117:15	5.18	1]	C
	] 118:16	clarify [1]	5:15	c
ly [29]	5:17 20:20	classes [1]	69:18	4
16:1 42:6	46:8	clear [6] 5:11	6:22	
56:3	78:11	7:20 8:16	105:5	C
85:16 90:24	86:8 91:8	clearly [3]	46:10	C
97:15	99:20	46:15 141:20	10.15	2
104:3 117:18	104:8 121:23	clerkship [1]	40:15	CC
126:21	127:21	Cleyeland <sup>[4]</sup>	$\frac{1:19}{2:8}$	c
ty [1]	55:13	clients[1]	6:4	C
ation		clinic[2] 68:3	67:22	9 CC
146:22		clinical [25]	28:4 <sub>22</sub>	C
[2]	146:4			c
<b>ng</b> [1]	146:24	42:3 60:13 60:15	42:7 68:23	
79:8		71:22 72:20	77:11	
[17]	15:6	771130 773121	$98.1\\104.11$	1
66:15 96:1	95:23 96:3	104:19 105:6	105:12	CC
97:14	98:19	115:22 119:2	128:9	
99:5 120:3	99:11 120:16	<b>clinically</b> [3] 90:11 118:20	39:19	4
140.5	120.10	close[2] 29:10	90:23	co
[8]	24:13	closing [1]	20:4	
60:10 94:24	60:17 102:2	CME [3]	63:8	34
27.27	104.4	63:16 64:10 co-counsel[1]	126.5	4
<b>]</b> [3]	59:23	cognizant [1]	136:5 127:22	5
60:13	24:16	coincident [1]	46:6	
60:8	60:9	collate [1]	92:9	1
145:2			41:17	1:
erizati	<b>on</b> [1]	<b>color</b> [5]25:5	25:7	CO
5]	9:19	142:22 142:23 comfortable [2]		22   <b>CO</b>
10:1	12:19	91:18 91:19		co
_	11.15	coming [1]	116:8	12
g [2]	11:15	commencing [1 1:12	1	11 <b>co</b>
	11:6	commentary [1]	r	co
39:6	39:8	127:8	I	10
1 (1)	VICE	WORCEST		<u> </u>
	N/ N/ 14	VVI IKI HN		14

			B. BL	UMENKOPF,	3/27/0
	comm	ission	[2] 71:7	141:8	
	146:20			concerns [1]	79:22
	comm	ittee [1]	107:22	concluded [1]	143:9
	comm	~ •	1:2	concussion <sub>[2]</sub>	119:15
	4:11	57:17		119:18	
		only [1]		concussive[2]	119:19
	1:11	146:1	146:3	121:19	54.00
		unicat		<b>condition[3]</b> 56:23 128:4	54:22
	11:5		[-]	conditions[1]	55:14
		ired [2]	106:5	conducive[2]	97:20
	109:2			97:21	21.40
	compa	aring	39:18	conduct [2]	48:22
	compe	ensatio	<b>n</b> [2]	129:7	
				conducts[1]	128:9
	141:5	etent[2]	37:24	conference [1]	13:12
	compi	lern	92:14	confines[1]	118:4
	comp1		50:18	confirm [1]	16:12
		aint [3]	33:21	confusing [1]	114:13
	50:16			<b>connection</b> [3] 57:2 57:6	31:11
				57:2 57:6	
	42:8	aints[8 50:13	1 29:1 50:13	consequences	[1]
	50:21	50:22	83:2	137:6 consider[3]	115:20
		at a	00.00	130:14 133:18	110.20
	compl		33:23	consideration	IF11
	24:13	61:7	20:15	135:10	
			59:13	considered <sup>[4]</sup>	81:2
	<b>compl</b> 68:15	68:20		130:12 133:16	137:10
	compl	exes [1]	58:16	consist[1]	26:8
		ication	IS[1]	consistent [6]	28:23 87:12
	99:1			29:1 87:11 90:6 91:10	87:12
1	~	nent [1]		constitutes [1]	14:9
ļ	compr	ehensi	<b>v</b> 9]针:20	consult <sup>[3]</sup>	
	compre	ESS [1]	117:9	133.9 136.5	128:4
	~		4	133:9 136:5 Consultants [1]	74:2
ľ	-	essed [6		consultation	1
	44:19 118:8	45:15	118:3	consultation 15 135:16 135:17	135:12
1	compre	esses [3]	100:4	consulted [6]	17:7
ľ	100:9	100:20		17:9 78:12	129:2
•	compre	essing [ 43:12	<b>3]</b> 45:9	130:16 135:21	
				consulting [2]	32:19
ľ	19:14	20:8	20:23	130:44	
	30-11	42.14	42:18	contacted [1]	15:18
	30:11 43:7 45:22	42:14 45:13	42:18 45:16	contained [1]	139:4
	45:22 47:3	46:20 4 <b>7:8</b>	46:22 47:15		65:24
	56:16	80:9	101:1	<b>context</b> [17] 51:5 59:11	51:3 59:13
	101:7 117:3	114:8	118:22 118:17		85:4
				86:13 115:22 126:11 128:7	126:6 129:3
	119:21 121:20	121:12 121:22	121:13		129:3 135:21
		essive[1	1	132:21 134:7 140:14	12:00
	22:23				85:2
(	comput	<b>er</b> [1]	61:22	113:7	
- I	concert	1 [5]	117:21	continue <sup>[1]</sup>	56: <b>5</b>
	127:22	128:24	130:10	continued [1]	121:20
~	135:10 : <b>oncerr</b>	neden	38:1	continues[1]	19:21
	oncerr			continuing <sup>[1]</sup>	52:20
		105:23	87:4 106:14	contraindicated	
	103.17	100.40	100.14	115:19	<u>د</u> ا
				T. 1	D

Index Page 3

MC CARTHY REPORTING SERVICE

WORCESTER, MA.

# contraindication - downstain B. BLUMENKOPF, 312710

ų (n		CondenseIt! <sup>™</sup>	contrai	ndication - downst
u ;				UMENKOPF, 312
contraindication[1]	critical[1] 96:12	definitionally[1]	diagnostic[11] 51:11	discussing [3] 28:6
115:5 contributions[1]	<b>CT</b> [8] 60:7 113:11 114:7 114:9 114:15	80:6 definitive[5] 42:11	51:18 51:23 113:5 113:8 115:10 122:9	64:14 94:5
59:8	114:16 114:17 114:18	definitive[5] 42:11 113:13 113:13 114:3	123:2 128:10 133:9	discussion[2] 66:1 137:17
control [5] 45:2	current [4] 57:19	114:4	135:14	disease[1] 22:2
45:4 45:5 45:6 146:23	61:14 61:17 61:19	definitively[1] 41:19	didactic [2] 70:18	dismal[1] 92:1
convert[2] 88:6	Curriculum [1] 3:4 cut [2] 44:12 131:7	degree [3] 46:12 47:20 71:8	difference <sub>[27]</sub> 80:4	dismisses[1] 132:
89:1	<b>cut</b> [2] 44:12 131:7 CUYAHOGA[1]	delavra 18:10	80:5 80:7 84:18	dispute[2] 56:1
copies [4] 13:23 25:7 142:23 143:1	1:1	24:9 116:17	93:24 94:2 94:7 94:19 <b>95:5</b> 95:7	disrupt[1] 118:
25:7 142:23 143:1 <b>copy</b> [6] 12:24 14:4	CV <sub>[2]</sub> 61:14 61:15	delays[1] 80:17	95:13 102:3 102:11	disrupted[1] 43:2
25:5 61:14 92:24	<b>cystitis</b> [2] 54:17 55:2	delegated [1] 70:16 deny[1] 97:23	103:22 104:4 104:5 104:7 104:10 104:23	distort[1] 88:1
142:22	55.2	department [1] 111:3	105:2 105:13 105:18	divide[1] 68:2
cord [3] 36:21 37:2 117:15	-D-	depending[1] 83:8	105:21 105:23 106:14 109:7 109:22	division [2] 69:1
comers[1] 7:11	D[1] 2:10	depiction[1] 42:9	differences[1] 61:23	70:16 doc [1] 32:21
corporate[1] 62:9	D.C [1] 1:5	dieponent[2] 2:11	different [16] 8:8	doctor[44] 4:18
correct[65] 4:15	damage[6] 100:4	146:6	33:4 33:6 59:5	5:22 6:22 9:18
10:2 10:5 11:14 12:23 13:4 13:17	100:10 100:21 119:4 120:21 120:22	(ieposed [2] 4:18 4:20	84:12 84:15 85:9 86:7 86:8 86:12	12:4 12:11 15:6 30:3 33:4 34:5
16:20 16:23 17:11	damages [1] 21:14	dieposition [22] 1:8	100:12 132:8 132:19	36:11 61:13 69:14
18:17 19:4 19:11 21:15 21:16 22:6	data [10] 92:10 92:12	4:17 6:17 7:24	132:21 132:22 133:1	79:7 88:15 88:1 89:5 103:13 105:
22:10 24:17 25:17	92:15 108:16 108:20	8:3 8:10 8:18 9:20 12:11 54:9	( <b>lifferential</b> [11] 32:14 33:5 33:20	107:16 111:17 122:
26:23 28:14 29:13	110:4 141:13 141:15 141:16 141:22	123:24 127:2 127:5	34:6 35:5 36:15	123:17 124:12 124:
29:21 30:14 31:17 31:17 32:3 32:6	date [7] 10:21 13:22	127:7         127:10         129:18           134:8         143:9         144:3	129:20 130:1 131:13 133:22 135:1	125:7 125:14 125: 127:11 127:12 128:3
49:1 49:9 49:10	16:1 16:2 40:10	145:3 146:5 146:9	differing [1] 8:12	129:6 131:9 131:
52:10 54:1 54:2 56:23 62:18 72:7	144:15 145:20 (iated [5] 15:8	depositions [2] 5:9	differs[1] 140:11	132:10 133:7 133:7 134:19 136:16 137:
72:9 72:20 75:15	15:13 23:5 26:10	54:12 dermatologic [1]	difficult <sub>[6]</sub> 37:16	140:4 141:23 142:
77:5 78:24 81:5 85:16 90:13 90:14	54:15	34:3	37:18 39:21 39:24 46:14 56:2	143:2
90:17 91:4 105:8	days [2] 110:17 110:20	describing [1] 31:3	(lifficulties[3] 53:7	<b>doctors [3]</b> 41:1 126:18 133:3
106:8 106:19 107:1	deal [1] 12:6 dealing [2] 60:16	(Lescription[1] 45:13	53:11 82:17	Document[1] 15:5
107:3 107:5 108:14 111:24 112:19 116:3	89:16	<b>clespite</b> [2] 128:12 129:11	difficulty [4] 47:18	documentation [5]
116:4 119:7 126:15	dealt [1] 90:16	detail[1] 142:1	50:19 50:23 81:17 (lirect <sub>[2]</sub> 111:5	55:20 63:11 64:7 129:15 129:17
127:1 131:14 134:3 143:6	decides[1] 139:15	details [6] 77:9	146:23	documented [3]
correspondence [1]	decipher[1] 18:3 clecision[3] 130:9	77:11 77:12 77:13	direction[1] 146:24	46:9 47:18 134:9
14:16	<b>clecision[3]</b> 130:9 137:2 137:14	83:14 96:20 determine [3] 19:5	<b>dirth</b> [1] 138:14	documents [4] 3:13
<b>counsel [3]</b> 14:17 146:12 146:14	decline[1] 119:16	36:24 43:19	disagree[4] 8:23 28:7 56:22 140:12	10:11 10:13 12:17 doesn't <sub>[12]</sub> 33:1
COUNTY [1] 1:1	decompression [4]	develop[3] 101:6	disc [25] 22:23 30:13	33:3 35:23 43:21
couple[11] 38:16	20:15 20:18 24:12 66:10	120:16 <sup>-</sup> 120:18	31:3 31:7 43:11	44:9 47:2 63:10
38:20 40:4 76:19	dedicated [1] 71:16	developed[3] 22:21 45:24 49:12	43:15 43:20 44:5 45:17 45:18 49:12	64:6 103:4 109:1 118:11 121:5
76:20 84:7 91:13 111:2 118:16 136:2	DEFENDANT [2]	diagnose[10] 33:7	66:3 76:21 78:3	domain [1] 134:2
138:2	2:1 2:5	111:18 111:22 122:2	81:18 100:3 100:9 100:20 101:5 114:7	d!me[29] 6:15
course [2] 63:16	<b>d</b> efendants[2] 1:6 74:15	122:7 127:4 127:20 128:4 131:11 133:20	114:18 116:2 116:22	9:1 9:12 12:13 12:19 12:20 19:14
93:3 courses [3] 63:17	defense[3] 16:15	diagnosed [4] 22:22	117:19 121:3	28:10 31:10 52:7
63:23 64:10	17:2 74:14	32:1 32:6 51:20	discharge[1] 26:9	67:14 69:23 71:6 75:7 75:21 76:2
court[7]1:2 4:11	defer[1]135:19	diagnosing[2] 113:17 126:13	discipline[2] 33:19	76:22 80:19 86:19
	deferring[1] 113:20	diagnosis [30] 27:23	discipline's [3] 129:3	93:19 96:17 99:21
<b>cover</b> [4] 3:13	deficit[6] 52:16 80:8 97:2 98:4	28:5 29:17 32:8	129:5 132:7	101:18 102:4 102:11 111:1 121:1 130:17
21:4 136:3 141:24	98:12 116:20	32:14 33:5 33:20 34:6 36:14 40:12	disciplines [2] 33:17	136:4
<b>c</b> overed[7] 107:12	deficits[2] 53:8	<b>41:20</b> 42:7 57:10	132:20 disclose[3] 6:4	Donna[2] 15:12
108:1 136:2 142:1 142:3 142:8 142:15	56:17 define[7] 41:8	59:22 60:13 60:15	7:5 7:23	15:17 doubt <sub>[4]</sub> 36:1
creates [2] 101:1	define[7] 41:8 60:22 68:9 76:7	113:13 114:5 114:18 115:22 116:9 116:17	iiscoverym 7:12	doubt <sub>[4]</sub> 36:1 56:9 93:21 93:22
118:18	<b>76:8</b> 76:9 90:8	122:17 122:23 127:13	discussed [5] 17:9	down [3] 69:5
credentialed [1] 62:19	defined [1] 90:3	129:24 132:11 132:16 134:1 135:1	59:11 59:13 64:16 84:5	75:5 92:9
vart2				downstairs [1] 123:9

MC CARTHY REPORTING SERVICE

WORCESTER, MA.

Index Page 4

1

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#### CondenseIt!<sup>TM</sup>

# dozen - figur B. BLUMENKOPF, 3/27/0

							B. BL	<u>UMENKOPF,</u>	
dozen[1]	5:10	51:2 51:9	51:11	106:23 108:13		40:17 40:22	40:23	explanation	1] 48:8
Dr [27] 4:8	7:19	51:12 51:19	51:19	111:7 111:18	111:23	41:3 48:18	48:23	express [1]	140:11
26:21 27:13	30:16	51:21 51:24	52:6	112:15 113:4	113:17	49:3 111:8	112:7	expressed [3]	8:2
30:19 31:2	42:15	52:9 75:13 78:1 78:8	77:18 78:10	114:22 115:2 122:3 122:17	121:3 122:18	112:11 128:9 130:3 130:18	129:8	8:3 8:17	
52:8 54:9	54:15	78:13 78:15	78:10	127:4 127:13	122:18 127:20	146:8	121:9	expressing[1]	140:24
56:10 56:22 96:17 98:3	96:12 109:17	79:10 79:11	82:4	128:23 128:24		examine [3]	37:5	expression[1]	
96:17 98:3 127:1 127:12		82:6 85:14	85:15	129:15 129:19	129:24	39:14 48:21	57:5	extend[2]	38:2
131:10 131:17	136.17	90:12 90:15	110:12	131:12 131:21	132:12	examined [3]	55:17	38:10	20.2
137:19 139:1	139:11	110:23 110:24	111:3	133:7 134:1	134:12	137:21 146:7	55:17	extensive[1]	47:2
140:6		111:3 111:11	111:15	134:15 134:16	135:2		61.5		
dream [1]	14:23		125:23	135:11		exceed[1]	64:5	extent[2] 66:20	33:17
due [13] 30:11	34:18	126:1 126:4 126:7 126:11	126:5	ER [20] 19:2	22:3	except[1]	55:1		
34:19 34:20	34:21	126:18 127:12	126:12	22:8 22:13	22:15	exception[1]	17:21	extra[1] 12:2	
35:7 53:10	53:16	128:2 128:15	127:19	22:24 23:11 23:23 26:11	23:11	exceptionally	<i>"</i> [2]	extrapolated	[1]
55:9 60:18	121:12	131:10 131:19		23:23 26:11 26:15 32:21	26:12 33:1	83:24 84:1		23:21	
121:15 121:15		132:14 133:3	134:5	33:2 80:24	97:1	exclude[5]	7:7	eyes[1] 36:11	
<b>duly</b> [1] 146:6		134:9 134:11	134:19	126:17 131:18		8:1 8:16	38:3		
diuration [3]	98:5	134:24 141:11		era [1] 60:6		42:6	<b>.</b>	F-	
98:12 119:22		emergent[1]	89:17	erection[1]	53:5	exclusion[1]	8:13	F <sub>[1]</sub> 1:17	
during [8]	32:9	emergently [2	52:5	ERRATA [1]		excruciating	[1]	faced[1]	133:7
42:24 59:23	77:21	115:8			145:1	79:18		facetious[1]	86:4
107:12 110:17	110:20	employed [1]	62:3	espouse[1]	8:11	Excuse [1]	96:23	fact [16] 30:5	80:4 44:5
110:21		employee [2]	146:12	<b>ESQ</b> [5] 1:17	1:18	Exhibit [9]	12:24	44:6 52:4	44:5 56:15
dysfunction [5		146:13		1:20 2:2	2:6	13:9 13:16	13:18	63:17 91:11	93:24
53:24 54:3	101:2	employment	1]	ESQS [2]	2:3	15:7 15:7	17:20	95:17 96:16	97:16
101:6		62:5		2:7	00.10	29:4 61:13	<b>a</b> 1	112:13 113:8	115:17
dysfunctional	[2]	encompassed	[1]	essence [4]	33:19	Exhibits [2]	3:1	119:2 141:19	
43:24 44:1		24:24		89:22 94:23	99:18	4:3	40.10	faculty [7]	70:15
		encompassin	g [1]	established [1]		existed [1]	42:18	70:21 71:3	72:14
-E-		41:10	-	estimate [4]	5:4	exists [4]	93:21	72:18 72:21	111:4
Е [3] 1:15	1:15	end [1] 40:13		19:17 76:5	96:8	101:2 101:7	138:18	fail [3] 6:4	6:10
2:10		endeavor[1]	33:11	estimates[2]	19:20	expand [2]	8:11	7:6	
E-mail [6]	15:12	engage [1]	52:23	71:20	<b>5 2</b>	40:3	A A . 4.4	failed[1]	116:5
	16:1	engagement		estimating[1]	5:2	expanse [2]	44:11	:Fails [1] 128:8	
17:23 23:5		entire [1]	33:24	et [3] 1:3	1:5	118:16	<b>a</b> 1 <b>a</b>	fair [8] 5:20	29:24
early [4] 11:23	82:18			69:9		expansion[1]	7:12	33:13 40:24	41:6
108:10 124:21		entirely [3] 136:19 142:11	96:21	evaluate [2]	42:3	expect [11]	20:8	87:7 96:11	142:5
	113:23		- <b>4</b> 1	111:13	4 <b>a</b> = -	49:11 49:21	49:24	Fairness [3]	67:1
eat[1] 60:3		<b>environment</b> 97:7 97:19		evaluated [4]	129:1	55:24 57:16 84:2 99:5	58:5 101:11	103:13 137:18	
eaten [1] 80:21		137:12	لم تشکر و کر	130:13 130:15		127:18	101.11	FALLON <sup>[1]</sup>	2:2
eats [1] 91.17		epilepsy [1]	68:17	evaluates[1]	131:24	expected[5]	50:2	1False [1] 114:13	
	67:10	episode [1]	42:23	evaluating [2]	130:22	52:11 99:7	137:20	familiar [6]	27:9
				138:3		141:9		52:2 53:14	53:17
	67:19	equal <sup>[1]</sup>	100:2	evaluation <sup>[2]</sup>	129:8	expeditiously	F11	53:18 57:9	
		equally [3]	114:23	130:17		131:22		far [3] 50:11	54:2
education [3] 70:12 70:24	62:21	125:6 125:8	10.00	evening[1]	82:18	experience [25]	33:10	88:20	
		equina [92]	18:20	events[1]	21:5	33:18 66:20	66:21	fashion [2]	51:21
effect[3] 121:16 121:19	119:20	28:17 28:21 29:12 30:9	29:7 32:1	evidence [4]	29:22	68:1 85:18	85:22	92:12	
	71.1	<b>32:8</b> 33:7	36:12	32:7 140:16	140:22		88:16	fault [1] 113:19	
effort[3] 75:16 129:6	71:1	36:15 36:21	41:20	exact [4]	16:10	88:24 89:6	92:15	favor	98:23
	71.0	48:9 48:24	49:13	48:3 94:17	124:18	98:1 101:10	103:21	fee [1] 12:2	
	71:6	51:1 51:16	52:14	exactly[4]	11:4	104:12 104:20 105:13 123:19	138.13	fellow [3]	77:17
	65:7	53:8 53:16	54:23	65:8 66:3	138:18	139:7 140:17		77:18 78:2	
	8:11	55:9 57:11	58:6	exam[22]	37:14	expert [9]	4:14	felt[1] 108:18	
	75:13	58:7 58:20	59:4	37:15 37:15	37:24		123:22	female [5]	53:4
	94:7 1 <b>28:8</b>	59:10 59:22 65:13 66:2	64:11 66:6	38:5 38:8	38:11	126:5 139:13	139:16	53:6 53:13	53:16
	130:13	67:5 67:12	67:24		38:14	139:16 140:18		53:19	
131:13		75:17 76 <i>:J</i>	76:6		40:5 42:9		126:19	few [6] 4:9	75:23
	94:10	80:2 83:15	84:4	111:20 111:21			135:19	76:11 76:12	85:2
	46:21	84:11 84:19	85:20		132:3	experts [2]	129:5	135:23	
119:19	10.41	86:21 88:18	89:8	examination [2:		134:21			43:22
	24.6	90:12 93:13	93:19		37:16	1	146:20		33:10
mergency [63] 2 32:2 32:10	32:19	94:15 99:18	99:19		40:13	explain [1]	6:15		16:10
ل ∪1,12 مەرسىر		100:8 100:19	100:11		-	avhram [1]	0.15	* Q 1 - 1	*0.10
and the second secon				WODCEST		-		Inda	

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### file - impression B. BLUMENKOPF, 3/27/0

		u Cale ( ) 1 din minimula mengguna di mpanya papana any mpanya papangan kata da kata any mpanya papangangan di			UMENKOPF, 3/27/(
40:6 69:14		forth [1] 7:13	50:6 53:10 58:8	hard [2] 11:24 83:23	82:20 82:23 85:2
file [12] 10:3	10:16	fortuitously [2] 62:22	59:10         63:12         66:12           73:7         80:14         80:16	head [1] 119:17	87:9 91:13 91:23
12:13 13:6 14:9 14:14	14:1 63:15	69:2	00.10 00 0 00 0	health [5] 16:16	91:24 93:17 94:16 94:20 94:21 95:1
63:22 64:1	64:9	Forty-eight[1] 104:14	92:18 94:4 110:17	62:7 <b>62:8</b> 74:11	95:14 95:16 96:1
142:22	04.9	Forty-seven [2] 36:7	113:22 117:1 118:14	124:13	96:4 97:10 99:8
filled[1]	62:22	36:8	123:5 126:4 128:6	healthy [1] 99:2	101:12 101:14 101:17
final[1] 9:13	02,22	found[4] 31:21	generated [1] 59:3	hear [2] 84:2 136:12	101:19 102:2 102:4
Finally[1]	22:19	55:2 104:7 134:8		heard [5] 8:13	102:5 102:12 102:12
		four[10] 7:11 11:22	generic[4] 35:10 72:15 87:1 126:23	64:22 64:23 <b>65:8</b>	103:15 103:16 103:23
financially		12:10 35:5 55:21 72:18 72:19 74:4	gentleman [1] 131:23	89:23	103:24 104:2 104:3 104:7 104:8 104:11
finding <b>[8]</b> 30:16 30:18	<b>28:8</b> 30:20	103:1 110:17	gentleman's [1]	hearing[3] 64:17	104:11 104:13 104:14
38:1 38:4	30:20 40:2	fractional [1] 109:7	129:2	65:9 139:15	104:15 104:24 105:2
56:22	70,4	fragment[11] 30:13	germane [1] 140:10	hearsay <sup>[2]</sup> 88:7	105:4 105:7 105:8
Findings [7]	28:23	31:4 43:12 43:15	given [10] 32:14	89:2	105:14 105:14 105:19
29:15 29:16	30:5	43:20 45:9 45:11	34:6 34:9 114:7	help [4] 25:12 26:5	105:19 105:23 105:24
31:8 38:6	134:7	116:22 117:22 117:23	126:11 138:1 139:1	103:2 103:4	106:3 106:5 106:6 106:15 106:15 108:24
1 <b>Fine[3]</b> 12:4	25:10	118:15	139:10 144:2 146:10	helping[1] 126:13	106:15 106:15 108:24 109:2 109:6 109:11
134:4		fragments[2] 45:11	<b>giving</b> [1] 66:18	hemorrhage[1] 119:17	109:15 109:16 109:23
1Finish [1]	89:12	116:22	glass [1] 60:4	herniated [3] 30:14	109:24 138:2
finished [1]	41:2	frame[13] 21:8	gold[1] 113:16	45:17 45-18	house [5] 69:21
firm [11] 13:1	14:21	24:14 38:10 60:2	gone[4] 64:13 65:4	herniation [7] 31:4	69:22 69:22 70:12
15:8 15:13	15:18	64:15 66:2 66:8 66:17 67:23 95:1	88:20 108:3	49:12 66:3 114:7 114:18 116:2 121:3	70:20
16:4 16:7	16:19	66:17         67:23         95:1           103:19         110:3         141:21	good[10] 4:8	high[1] 114:23	housekeeping[1]
17:8 25:16	25:20	frames [3] 94:1	66:11 83:24 89:20		142:20
<b>first</b> [26] 4:24	5:11	94:3 105:10	91:8 91:23 96:1 96:3 106:3 138:19	higher [4] 35:1 120:11 127:24 135:19	HOWLEY [1] 2:3
15:18 17:17 19:19 22:2	18:19 22:13	Francisco <sup>[3]</sup> 73:17		highlighted[1] 25:8	Hoyt [2] 1:18 1:21
23:11 23:22	24:2	73:17 74:17	gram [1] 117:15	Hillcrest [4] 2:5	luge [1] 117:23
24:6 25:9	26:12	frankly [4] 35:14	grand[1] 70:19	22:3 26:10 32:2	<b>Huh</b> [1] 11:11
28:11 32:10	40:7	57:23 76:11 93:5	great[3] 83:21 91:21 117:21	HIRSHMAN <sup>[1]</sup>	<b>bundred</b> [4] 63:4
40:23 49:23	68:9	free [6] 10:24 12:21		1:18	115:1 124:9 125:19
70:6 102:11 124:2 124:21		30:13 31:4 45:9	greater[7] 54:18 94:19 95:1 95:16	history [5] 22:5	HURD [1] 2:2
five [10] 40:4		45:11	98:21 105:4 139:5	22:9 42:8 122:4	hypothetical <sup>[2]</sup>
65:7 74:4	55:21 90:22	freedom[1] 117:9	green <sub>[2]</sub> 54:16	128:13	24:5 24:9
95:18 99:6	103:3	front [1] 14:10	143:3	hold [2] 132:24 142:3	
123:13 124:7		full [4] 6:20 72:13	gross [5] 71:20 94:22	home [2] 122:8	-I-
flag [1] 80:2		98:14 130:6	94:22 95:3 95:10	128:12	<b>I-n</b> [1] 27:4
flies[1] 61:10		full-time[2] 72:13	group[3] 3:13	honestly[1] 79:14	idea[1] 55:18
fluid [4] 117:2	117:4	72:18	27:10 66:23	hope [2] 98:22 142:6	Identification
117:6 117:20		function [13] 37:4	groups [1] 94:8	hospital [13] 2:5	4:4
focus [2]	40:6	44:15 44:21 44:24 52:20 52:22 53:9	Gruber [2] 1:10	4:15 22:3 22:24	identified [2] 29:4
123:18		53:15 79:23 93:18	146:2	26:10 32:3 81:22	74:9
folks[1]26:5		117:11 118:13 119:11	guess[7] 41:13	81:23 81:24 124:14 125:7 125:14 134:24	imagination [1] 39:20
follow[1]	83:3	functional [1] 44.13	55:3 61:7 86:9		-
follow-up [2]	83:7	functionally [2]	119:24 132:22 142:5	hour[16] 9:22 11:17 11:20 13:10	imaging [4] 115:10 116:3 123:2 135:15
83:9		43:23 46:18	guessing[1] 65:6	13:12 13:20 19:20	immediately [1]
followed [1]	137:23	fundamentally[1]	<b>guy</b> [3] 77:18 123:7	20:3 20:5 20:6	43:1
following [4]	37:10	85:6	133:17	20:24 24:9 66:22	impact <sup>[3]</sup> 85:B1
52:13 81:7	145:2	fundamentals[4] 60:10 60:12 60:14		72:4 72:24 123:8	117:16 119:10
food [1] 80:17		60:10 60:12 60:14	-H-		impaired[1] 46:18
force [3] 117:14	118:8	60:19	H <sub>[1]</sub> 18:10		impairment[1] 117:11
118:18			half [2] 19:20 54:19	18:4 18:11 18:11 19:3 19:6 20:24	impinged[1] 43:14
foregoing [3]	144:1	<u> </u>	hand [1] 146:17	19.5 $19.0$ $20.2421:1$ $21:21$ $22:4$	importance [2] 86:16
145:3 146:22		general[11] 10:7	Handed [3] 11:2	23:24 24:7 24:8	86:18
Forensics [1]	73:19	45:1 58:14 69:21	11:9 <u>14:2</u> 4	24:14 24:14 36:4	important [7] 5:12
forever [1]	108:16	70:22 76:21 83:18	handle <sub>[1]</sub> 125:1	37:9 46:15 63:3	20:13 48:22 49:2
forget[1]	62:4	84:14 120:14 120:19	hands[1] 37:22	64:3 66:11 66:13 66:15 66:24 <b>69:6</b>	87:18 92:5 92:6
forgot[1]	24.22	121:17	handwriting[5]	40,0 40,11 40,15	importantly [1] 66:9
form [4] 21:5	69:3	<b>igenerally[34]</b> 34:12 37:13 39:11 39:13	17:19 17:20 18:3	71.11 71.12 71.15	impressed[1] 65:15
69:18 93:8		40:11 42:2 42:10	23:4 26:21	75:23 76:10 78:7	impression [7] 27:23
formal [1]	86:19	42:11 44:1 44:3	happenstance [1]	80:18 80:20 81:3	28:3 41:23 42:3
former [1]	67:14	45:3 46:5 46:5	32:24	81:4 82:14 82:19	65:22 105:16 138:9
		RTING SERVICE	WORCESTED M		Index Dage 6
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		NR/4 NEE 18 26799978 8 8		

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/	1999/1020/1011-1011-1011-1011-101-101-101-101-10			UMENKOPF, 3/27/(
impression/diagnosis [1] 27:2		58:20 87:18 108:12	laboratory[1] 71:4	121:23 138:12
impressions/diagnosis	<b>injured</b> [1] 119:9 <b>injury</b> [5] 22:1	126:6 128:1 134:11 141:5 141:7 141:8	<b>lady [4]</b> 38:23 73:22 97:18 111:15	<b>likewise</b> [7] 6:9 17:23 52:8 67:9
[ <b>2</b> ] 28:1 28:2	22:12 22:14 23:6	issues [11] 17:4	large [4] 30:13 43:15	100:9 105:12 112:13
improvement[1] 28:10	24:5	33:16         34:17         34:22           34:23         36:20         59:14	43:19 44:5	Limited [7] 42:1
<b>inability</b> [3] 34:17	<b>innervating</b> [1] 44:18 <b>inpatient</b> [2] 69:6	126:2 126:10 126:14	<b>last</b> [11] 17:7 27:6 27:7 65:7 69:13	69:19 70:14 71:8 72:2 72:4 73:24
36:18 37:9	<b>inpatient [2]</b> 69:6 71:22	126:21	76:16 100:17 103:11	limiting[1] 114:17
inappropriate[5]	input [1] 43:4	item [1] 35:5	107:22 108:4 136:2	limits [1] 39:13
113:21 115:15 122:12 122:13 135:8	insofar[3] 58:11	-J-	Lastly[1] 22:18	line [10] 18:14 18:16
inappropriately[1]	60:1 101:23	<b>JAMES</b> [1] 2:6	late [1] 12:1 law [12] 13:1 14:21	20:12         21:4         21:17           21:18         24:2         28:13
5:14	instructed[1] 40:21 intactness[2] 39:9	Jim [3] 88:11 103:7	15:8 15:13 15:17	123:6 145:5
<b>Inc [2]</b> 73:22 74:2	44:22	142:23	16:4 16:7 16:19	<b>Linton [42]</b> 1:17
incident[1] 42:22 incision[12] 19:9	intend[1] 131:2	job [1] 8:22	61:12	1:18 2:13 4:6 4:9 6:18 6:21
19:10 19:23 20:7	interaction[2] 53:11 128:6	<b>journal</b> [3] 59:12 59:18 59:19	lawsuit [1] 4:11	11:2 11:9 12:16
20:13 20:19 23:16 23:24 24:1 24:5	interactive <sub>[1]</sub> 111:1	journals [1] 59:16	learn [2] 40:7 65:16	14:24 15:4 16:20 16:23 25:23 26:1
24:7 24:10	interest [7] 67:7	<b>JR</b> [1] 1:17	least [19] 25:21 33:13 34:14 36:22	32:17 32:22 36:7
include [5] 5:5	68:11 68:15 75:10	judgment [2] 122:14	37:23 42:19 53:10	36:10 49:17 88:3 88:11 88:15 103:2
37:14 41:3 69:7 111:20	87:24 92:17 135:24 interested [1] 146:15	127:3 July [3] 10:24 18:4	76:23 82:24 101:17 110:19 111:24 112:10	103:6 103:10 123:11
included[1] 40:18	interfering[1] 37:3	18:6	113:15 114:17 117:21	123:14 130:24 131:4 131:7 133:13 135:23
includes [1] 40:12	interpreted[1] 42:23	June [5] 15:8 15:13	117:24 126:17 136:22	136:1 136:4 139:20
including[3] 4:23	interval [3] 19:7	15:19 17:6 23:5	leave [2]11:23 34:2	139:23 140:3 142:17 142:20 143:2
88:23 103:20	24:4 63:5 intervention [2]	j <b>ury</b> [4] 139:14 139:14 139:17 139:18	lecture [1] 70:18 lectures [1] 111:2	list [15] 33:11 33:14
90:4	87:21 93:13	justification[1]	left [6] 18:5 65:22	33:23 33:24 33:24
incontinence [15]	introduction [1]	122:22	66:7 118:2 131:18	34:2 34:6 35:13 36:12 36:14 36:19
29:17 30:10 43:3 47:9 47:14 48:9	40:23 i <b>ntuitive[3]</b> 109:3	- <u>K</u> -	132:1 leg[2] 50:13 50:22	71:11 133:18 133:22
54:6 55:9 56:17	i <b>ntuitive[3]</b> 109:3 109:6 110:6	<u> </u>	legal [1] 72:23	135:1 Listedru 71:10
	intuitively[1] 109:17	54:15	less [17] 22:17 23:2	listed[1]         71:10           listing[2]         33:11
	intuitiveness[1]	1:cep [10] 10:6	72:4 73:3 76:10 76:12 76:13 84:23	63:23
independent	109:13 investigate[1] 122:24	13:24 63:1 63:13 63:22 63:23 75:1	85:3 86:18 95:14	lists[1] 34:1
20.20	investigating[1]	92:24 93:2 125:12	99:3 100:4 105:4	<b>literature [10]</b> 27:3 27:17 31:10 31:16
61:5	122:23	<b>keeps</b> [1] 63:7	105:16         120:17         121:23           ]etter[12]         3:5	53:15 57:1 58:4
index[1] 25:15	<b>investigative</b> [7] 42:12 60:5 113:1	<b>1:ept</b> [3] 64:8 93:4 93:5	3:7 3:9 3:11	59:2 93:11 114:18
Indiana[25] 27:4	134:2 135:12 135:13	1:ey [3] 21:5 21:18	12:24 14:21 15:7 16:2 22:19 27:21	location [2] 31:3 31:6
27:4 27:8 27:11 27:18 31:13 64:19	135:14	45:6	28:6 56:10	logistics [1] 90:20
64:21 87:6 94:13	<b>involve[5]</b> 42:5 44:21 74:21 75:9	<b>kind [is]</b> 20:19 24:5 27:10 57:6	Letterhead [1] 3:15	longer[8] 57:23
102:16 102:19 102:21 103:14 104:6 105:20	120:17	64:8 64:9 69:4	<b>level</b> [11] 30:14 44:4 44:6 44:9	74:3 100:3 100:9 100:20 100:23 101:2
106:1 106:8 106:9	<b>involved</b> [21] 16:15	69:9 69:23 71:6 77:19 78:3 89:2	44:14 44:16 44:22	101:7
106:24 110:9 139:3 139:5 140:6 141:6	16:19 16:22 26:12 38:17 39:19 44:4	92:4 138:10	45:7 46:23 50:10 72:17	longitudinal [3]
individual [7] 5.3	46:11 68:18 68:19	<b>knew</b> [1] 31:14	<b>levels</b> [1] 133:1	44:10 44:11 118:15 longitudinally [2]
83:23 89:9 138:12	/4:3 /9:8 /9:9	knife[1]44:12	license [2] 63:2	118:11 118:12
138:20 139:7 141:2 infer [5] 44:5 107:14	110:22 116:1 123:22	<b>knowledge</b> [7] 46:10 62:1 66:19 74:22	63:24	<b>look</b> [10]10:24 15:7
116:9 116:12 117:21	125:4 126:1 involvement[8]	87:16 88:23 141:17	<b>licensed</b> [4] 62:11 62:13 62:14 62:19	9:16 34:12 50:11 66:21 90:7 92:21
influenced [2] 60:9	44:2 68:16 69:19	3knowledge-based[1] 125:2	licensure [4] 62:23	107:22 134:22
110:2	69:20 70:14 71:9 74:20 118:1	1	63:19 64:6 69:3	<b>looked</b> [12] 10:23 23:18 91:7 96:20
3:9 8:12 9:3	14:20 118:1 involves [4] 70:11	Kondray [1] 54:15	life [1] 75:22	101:22 101:24 101:24
9:9 19:13 61:17	70:20 71:6 71:7		<b>likelihood</b> [6] 28:9 35:1 106:22 120:12	102:13 104:20 105:9
87:14 89:24 90:10 92:23 106:20 107:2	involving [1] 44:7	-L-	139:6 139:8	109:12 117:17 looking[11] 29:3
109:11 109:23 137:8		[-] =,0	<b>likely</b> [12] 21:24	36:19 38:19 41:23
	<b>rrespective</b> [1] 121:1 <b>issue</b> [13] 21:14	L5[1] 30:14	22:14 22:20 33:15 100:4 100:10 100:21	54:14 58:12 58:15
· · · · · · · · · · · · · · · · · · ·	<b>SSUE[13]</b> 21:14 34:16 38:9 57:16	lab[1] 26:19	101:3 101:8 121:9	87:17 94:9 134:17 143:3
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# looks - neurosurger B. BLUMENKOPF, 3/27/0

1 as								B. BL	UMENK		
looks [2]	15:11	marked	4:4	25:16	25:19	25:21	24:7 24:8	24:9	necessar	rily [5]	8:15
66:23		12:17 13:15	15:5	40:11	40:17	40:24	24:14 24:15	37:24		85:15	109:14
lose [6] 44:20	44:23	61:13		41:2	51:2	54:21	38:2 38:17	38:20 123:8	128:19		0.4
45:2 45:4	45:5	markets[1]	73:11	55:7 57:10	55:13 58:18	57:6 62:6	40:4 109:16		<b>necessa</b> 128:3	<b>ry</b> [2]	9:6
45:5		mass [1] 117:18		62:20	69:17	69:20	131:2 131:3	136:2	need [18]		5:15
l <b>oss [7]</b> 43:4 48:19 52:18	44:15 52:19	Massachusett		70:7	70:10	70:11	niscellaneou	IS[2]		9:1	9:12
53:15 119:11	52:19	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	62:6 70:4	70:15	70:19	71:1	26:18 26:19		38:10	88:11	88:13
low [4] 97:17	99:16	70:7 72:12	76:23	71:2 73:21	73:4 73:23	73:19 74:1	inisdiagnosis	[1]	103:4	113:12	115:21
133:18 133:22	<i>JJ</i> .10	146:1 146:3	146:18	109.21	123:21	124.3	116:17		122:17	122:19	131:5
lower[1]	35:1	massive [3]	116:2	medica			mission [1]	71:24	134:2 136:13	136:3 142:7	136:6
Juck [1] 11.24		117:22 121:3		51:8		[-]	Monday [3]	91:1	needed		135:18
lumbar	30:12	material [2]	92:8	medic	ally[1]	86:20	92:3 92:7	11.10	needs [8]	-	61:18
umbosacral [1		117:19	04.00	medic		liable[1]	1 <b>noney [2]</b> 11:12	11:10	129:1	129:1	130:13
30:12		materially [1]	84:23	67:11	·		11.12 1 <b>nonth</b> [4]	73:8	130:15	130:15	131:21
		:materials[4] 92:24 93:6	13:6 107:11		ation [2]	35:7	110:20 110:21	124:8	140:14		
-M-		mathematical		35:21			monthly [1]	73:5	negative		114:13
M.D [5] 1:8	2:11	95:17	[1]	<b>medic</b> 34:21	auons[	1]	morning [7]	82:10	neither		8:24
4:1 144:9	145:22	mathematics	2]	medici	nem	62:13	82:11 82:19	90:23	20:9	'] 30:12	19:15 37:3
machine [2]	18:5	23:21 24:22		110:24	138:15	141:2	91:1 92:3	92:7		30:12 43:4	43:8
25:5		matter[4]	97:16	meet			most[15]	47:9	43:10	43:12	43:13
<b>1nain[3]</b> 50:11	50:20	101:19 118:11	132:15	meetin		64:3	57:17 66:9 69:22 72:5	68:15 74:6	43:19	43:22	44:4
50:21	67.17	maximum[1]	97:7	65:3	65:4	65:17	75:12 87:18	99:14		44:12	44:17
1naintain [2] 63:19	63:17	may [39] 11:5	12:18	68:3	87:6	93:1	108:8 113:7	113:14		46:17 100:10	47:3 100:21
1najor[2]	94:24	26:3 26:3 34:24 34:24	33:22 38:1	108:4	108:5	~	114:11 120:23		101:5	116:24	117:7
102:1	2 11 <b>6</b> 4'T	34:24 34:24 38:5 38:6	38:1 40:3	64:13	Igs[2]	63:12	1notor [1]	48:16	117:9	117:14	117:18
Inajority [2]	124:12	40:21 42:5	42:12	meets	.13	131:24	100ve [4]	7:7		118:2	118:7
124:19		45:2 45:12	47:19	membe		73:10	8:1 8:16 [ <b>MRI</b> [28]	93:3 24:24	118:13 119:11		119:9 120:6
1 nakes [1]	27:21	47:20 48:16 49:4 56:7	48:16 60:17	Memo		1:13	30:23 31:1	24:24 42:10	ierves[5		20:10
<b>inale</b> [1] 53:5		64:14 65:17	82:15	62:7	- ICH [2]	<b>1</b> .13	42:13 52:5	60:7	44:8 4	46:11	117:2
Malone [54]	2:6	83:8 104:22	104:24	memo	rv[1]	83:10	112:15 113:6	113:10	120:7		
6:12 6:19	7:10	105:1 107:18	109:7	mentio			113:14 113:16		iervous		37:6
8:6 8:24 14:18 14:22	12:5 16:18	119:19 120:7 127:24 135:23	$122:5 \\ 141:2$	79:9			113:22 114:2 115:4 115:4	114:22 115:6	net[1] 2		
	25:19	127:24 135:23	141:2	MERI	DAm	2:5	115:11 116:2	123:4	neurodia	ignost	ically
25:24 26:3	26:7	inean [42]	5:8	messag	ge[10]	18:6	123:5 128:11	133:23	[1]	130:2	
29:20 29:22 32:18 32:23	32:16	17:9 21:11	27:6	66:1	66:7	87:14	134:3 135:2	135:13	neurogen		
	36:5 51:13	27:22 35:23	38:16	92:1 94:11	92:2 94:23	93:23 103:18	Mrs [4] 4:10	6:9	<b>neurolog</b> 37:15		37:14
55:17 58:21	68:1	41:21 43:16 44:12 45:11	43:22 50:18	messag		92:2	6:9 29:6 1aulti-paged[1	<b>.</b>	neurolog		51
88:1 88:4	88:13	51:20 51:23	52:21	:met [2]	-	129:3	143:4	-1		31:8	33:16
88:19 89:12 99:24 100:15	91:6 102:20	54:7 55:15	58:21	MII [2]			raulti-volume	e[2]	34:16 3	34:18	34:19
	111:10	61:21 62:2	65:14	Micha		<b>1</b> :10	57:18 57:20				35:20
112:2 112:17	112:21	72:1 72:13 76:13 77:11	73:14 77:12	146:2	~*[*]	* V	nultiple [1]	44:14			37:11 56:17
	133:5	80:7 83:16	85:6	imid-N	ineties	[2]	naust [3] 90:16	132:20	57:13 5		72:11
133:11 133:15 136:11 139:12		85:21 89:10	92:18	108:10	108:10		132:22		79:22 8	8:08	93:18
140:1 142:24	لم يك، فرف له	95:9 105:1	113:18	imiddle		15:3	nyelogram[4]	113:11		01:1	101:6
<b>nialpractice</b> [3]	73:4	115:17 118:13 119:8 119:14	110:17	77:15	79:1 81:9	79:4 81:14	113:19 114:15		116:20 11eurolog	104 mm	120.10
123.21 124:3		meaning [4]	35:20	82:1	01:2	01.14	myelography   60:6 60:7	[2]			
	80:13	44:2 58:9	98:7	inight [	6]	5:13	00.0 00.7		rieurolog	-	
nanaged [1]	131:23	means [1]	134:3	58:15	90:22	91:12	-N-	<u> </u>			33:14
nanagement [i		rneant [1]	6:14	1	121:19			2.10	41:24 6	0:21	61:6
	84:20 86:15	Ineasuring [1]	61:2	1 <b>mind</b> [1	<b>0]</b>	34:5		2:10 4:9			108:23
	109:9	raechanical[4]		44:14 83:17	55:3 83:19	65:18 84:23	1 <b>name [2]</b> 107:7	4.7	111:13 1 132:13 1	20:20 32:23	128:14
115:21	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	35:7 48:5	54:5		95:7	142:14	107.7	73:14	neurosur		31
n ianipulation [		<b>naechanism</b> [5]		ininim		63:3	marrative [1]	6:14		9:19	59:24
:23:7 37:10	42:24	34:19 34:20 121:18	120:24	133:8	E.3		Nashville [1]	81:21	60:24 6	2:12 (	52:17
45:19 45:23	1 1 4	nechanisms [2	1	minute		4:9	natural [1]	119:13			71:18
	1:11	35:3 66:5	1	13:10	18:6	18:11	iature[2]	52:16	37:13 8 120:20	8:9 9	90:5
	1:20 15:4	niedical[34]	1:13	18:11 21:1	19:6 21:21	20:24 24:1	84:17	2.10	120.20		
7.10 12.10	л <i>у</i> .т								<u> </u>		
MC CARTHY	DEDG	DTIMC CED	MAR	WTO D	anan	ER, M	Δ			Indox	Page 8

MC CARTHY REPORTING SERVICE WORCESTER, MA.

# neurosurgical - pendin B. BLUMENKOPF, 3/27/(

									UMENI	KOPF	
neurosurgica		50:15 50:24		48:14	50:1	58:16	order[6]43:24	115:10	3:14	18:8	18:10
33:15 48:6 57:15 58:4	57:13	52:24 54:1	56:18	61:22	62:7	64:19	124:6 124:9	133:8	26:21	100:1	145:5
57:15 58:4 72:7 78:18	59:16 87:21		4 119:3 0 120:13	65:17 73:8	65:19 74:10		133:23	60 F	pages	[4]	143:4
90:15 93:13	126:6	120.2 120.1		76:16	76:17	76:22	ordered [2] 52:6	52:5		143:5	143:6
126:10 126:14				79:4	79:9	79:24	orders[1]	128:10	paid [1		
neurosurgica	ally[2]	-0-		87:5	92:2	94:5	1		<b>pain</b> [1 50:9	-	50:3
87:2 89:21	•	o'clock [4]	82:9	- 99:3	100:11 108:11		<b>orgasm[8]</b> 53:3 53:4	52:23 53:5	50:9	50:13 50:22	50:20 68:16
never [6]	53:22	82:11 90:22	82:9 90:23		+ 108:1: ) 113:9	5 110:19 121:18	53:6 53:13	53:20	68:19	75:11	79:17
55:17 91:19	92:16	<b>Oakland</b> [1]	73:18	124:8	137:23	121.10 137:22	54:4		79:18	82:16	83:2
92:20 128:13		<b>oath</b> [1] 146:7	10,10	137:22	2 138:8	138:8	Oriental [3]	77:17	133:19		
<b>new</b> [5] 8:1 8:12 58:9	8:9 59:7	obese[1]	114:1	138:9	139:7	140:17	77:24 80:13		PAISI	LEY [1]	2:3
Newton's[1]	117:13	object[4]	6:12		<b>y</b> 57:17	83:23	original <sup>[3]</sup>	13:24	paper		60:3
next[2] 22:16	75:22	29:20 112:2	1 133:11	84:8	108:8	00.10	18:18 142:21			67:22	
night[7] 77:16	75:22 79:2	objection[32]		onese		39:13	originally [4] 81:22 82:3	12:9 82:5	papers		64:1
79:4 79:5	79:2 81:10	8:5 8:6	28:18	ongoi	0	71:21			paperv		0211
81:14 82:2		28:22 29:14	29:19	onset		18:16	orthopedic [2] 70:23		paragr		29:6
Nineties[2]	108:3	32:4 88:5 101:21 104:1	91:6	42:18 46:9	42:19 46:16	42:23 47:17	otherwise [4]	30:21	parale	gal [1]	15:17
108:6		101:21 104:1'	7 111:9 112:9	48:4	48:13	78:4	99:2 132:23		paraly		117:16
None [1]	67:18	112:20 115:12		80:12	82:7	82:12	ought [4]		parame		90:1
<b>nor</b> [1] 146:14		121:8 121:10	) 122:10	open	-		97:3 115:7	26:1 137:12	90.8	91:9	91:11 106:12
normal[3]	38:3	122:11 127:6	128:17	(Õpeni	ng[1]	20:4	ourselves [1]	132:24	106:17	117:13	100:12
130:7 132:3		129:10 129:13 132:17 135:5	3 131:15 139:12	sperat	e[1]	133:4	outcome [38]	52:11	param		
notary [3]	1:10	139:20	1.J.C. J. L.L.	sperat		77:16	81:6 84:12	84:19	parame		
146:2 146:22	01-00	sbstructive	35:18	77:19	82:22	94:15	85:12 86:9 87:22 91:23	86:12 91:24	86:18	v	COLEU
notation[1]	21:22	(sbtain[1]	113:24	95:14	95:15	137:22	94:2 95:11	91:24 101:1 <b>3</b>	parent	hesis	1 23:7
notations [1]	24:18	(sbtained[1]	114:3	<b>operat</b> 23:12	<b>ing [4]</b> 69:24	<b>19:16</b> 82:10	103:22 105:3	105:7	part [13		27:6
<b>note</b> [2] 27:16	140:12	obvious [2]	12:18	operat		82:10 54:15	105:18 105:21	106:22	27:7	37:14	38:7
noted[1]	52:4	48:16		operat		34.13 31:2	109:20 137:20 138:7 138:8	138:5 138:11	43:10 70:24	53:3 70:24	58:12 71:22
notes[2] 42:15	14:23	obviously [3]	34:23	opine		31:2 139:14	138:13 138:14		70:24	70:24 112:3	11:44
notice[1]	146:4	48:15 62:7		opinio		21:6	138:22 138:23	139:2	particu		u 84·19
November[1]	146:21	occasional[1]		21:18	<b>11[30]</b> 30:6	21:0 42:17	139:7 139:10	140:5	100:6	138:15	138:22
<b>now</b> [15] 38:11	146:21 55:21	occasionally	[1]	51:10	53:23	55:7	140:15 140:20	141:9	parties		4:12
58:8 60:7	55:21 60:24	58:13	00 - ·	68:6	87:3	88:7	146:15	65.10	146:13		
61:22 88:8	91:16	occasions [1]	88:21	88:22	92:13	102:23	outcomes [13] 67:4 67:12	65:12 75:17	parts [1]	46:15	
118:2 119:21	123:8	occupy[1]	33:3	106:1	106:14	106:19 126:17	84:15 85:18	86:22	past [4]		68:16
123:18 125:6 142:3	133:12	<b>occur</b> [2] 94:1	45:16	126:23	131:17	137:24	88:17 89:6	103:15	74:3	123:8	
nowaday[1]	57:18	occurred[1]	04.00	138:7	138:24	139:11	105:23 106:15	108:13	patholo		41:24
nowadays[1]		occurring[1]	24:23		140:7	140:8	outfits [1]	74:9	42:1 60:16	42:4 89:17	42:9 89:18
number[33]		occurs [1]	103:23 120:21	opinio	140:18	5.00	outpatient [1]	69:5	97:3	116:1	02.10
<b>26:8</b> 26:9	26:10	off [4] 19:15	120:21 61:20	5:24	<b>as</b> [30] б:5	5:23 6:8	outside [3]	103:15	patient		16:17
26:11 26:15	26:16	137:15 137:17	01:20	6:11	6:23	6:24	103:23 104:3	120.1	21:24	22:20	22:22
26:17 26:18	26:19	office[1]	111:12	7:5	7:7	7:8	outsider[1]	138:1	32:13	32:24	35:22
29:4 36:14 61:14 63:3		official [1]	146:17	7:13	7:22	7:23	overruled [1]	139:20	36:23 48:12	<b>37:8</b> 49:4	39:14 52:12
81:3 94:8		often [5] 91:15	93:2	8:1 9:2	8:12 9:6	8:17 9:13	oversees [1]	71:6		58:16	74:11
94:22 94:22	95:4	110:14 113:14		31:7	66:18	102:18	overwhelming	[2]	82:1	83:3	91:17
95:11 95:24	98:8	<b>Ohio</b> [7] 1:1	1:19	105:22	126:7	126:10		11:12		111:7	112:14
99:10 105:15		1:22 2:4	2:8	141:1	142:3	142:4	12:5		113:4 114:1	113:10 114:6	114:1 115:3
106:4 124:21 126:11 140:13		8:8 8:15	<b></b>		142:9		1	34:24		114:0	
	18:13	on-call[2]	75:14	opporti 67:8	1011 [1: 87:20	<b>3]</b> 90:18	55:3 66:20	67:3	122:3	122:6	122:7
95:10 96:5	06.7	110:14		90:21	90:24	91:2		88:23		125:14	
96:8 98:17		on-the-ward[1 70:22	1	91:14	92:17	93:12	\$8:23         88:24           92:15         104:19	90:6		136:23	
	22:21	once[7] 13:8	23:1	97:24	106:5	109:10		103:3	patient' 22:12	<b>S</b> [7] 22:15	22:2 22:24
	39.1	24:13 42:2	101:5	137:10	J	11.10					137:20
	41:8 46:12	117:5 117:8		oppose 11:19	<b>u[6]</b>	11:18 28:11	-P-		patients		67:3
	47:1	one [53] 16:4	16:8	125:14		40,11			69:8	94:15	95:11
47:2 47:6	47:10	16:9 18:23	36:14	options		137:3		1:15	95:13	95:15	137:13
47:13 47:19	48:2	36:19 37:21 39:13 41:19	38:24 44:3	orranges		85:23	<b>p.m</b> [1] 1:12	114.1	patients		46:14
	48:19	44:9 44:23	44:3		86:3		pacemaker[1]	1	pending	[1]	4:11
49:6 49:6	50:14	کی کسکرد از جروز. میں ایک میں ا					page [8] 2:12	3:2			
AC CARTHY	DEDO	DTING SED	MAR	WOD	OFOT		A			<b>T</b> 1	Page 9

MC CARTHY REPORTING SERVICE WORCESTER, MA.

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# Pennsylvania - quick

$\begin{array}{cccccccccccccccccccccccccccccccccccc$						B. BLI	UMENKOPF	', 3 <i>1</i> 271
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Pennsylvania[1]					34:10	72:13 72:17	<u></u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	people [10] 26:4	physically [2] 82	11 possib		66:4 67:22	80:14	program[2]	
92.8110.15127.24 $137.3$ $36.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $78.22$ $78.15$ $7$	70:22 72:14 77:14	physician 161 32		ility for 35.2	95:13 95:15	97:1	107:21	110.0
	92:8 110:15 127:2	4 33:2 36:24 78	:15 93:22	98:19 106:2		141:11	121:11	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		127:19 128:2 12	8:15 nossihi			32:15	· ·	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	percent[16] 27:2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3:21 66:5			62:3	134:18	y[1]
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		physicians [7] 33	<sup>6</sup> possib	lvr41 50:13	93:6		provide [13]	9:2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	95:19 96:15 99:3		6:1 86:8	99:14 131:22	1			25:6 87:17
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		physiological <sup>[2]</sup>	post-gr	aduate[1]			97:7 97:18	99:15
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			nost-or	nset[1] 99:8	pretty [3]	65:4		
$\begin{array}{c cccc} \mbox{Percentage-wise[1]} & \mbox{precture[1]} & \mbox{Percentage-wise[1]} & \mbox{prectage} & prectag$		53:4 53:13	posigi				10:20 14:5	19:13
$\begin{array}{c} 124.7 \\ perception [1] 39:16 \\ perception [1] 39:16 \\ perception [1] 39:16 \\ perception [1] 40:21 \\ 111:19 \\ 116:12 \\ 126:$		1	4:13 postop			120:21		123:2:
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		1.4	8:20 83:7				provider[2]	74:11
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	perfect[1] 40:21	<b>Pikkel</b> [16] 1:3	85:8					16:16
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		4:10 6:9 18:	<sup>19</sup> potenti	ally [5] 50:12	primarily [3]		public [4]	1:10
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	136:17 136:22	48:10 49:1 49:	13 116:19	50:22 50:24		33.0		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	performance [1]		<sup>24</sup> practic	e <b>[5]</b> 62:11	35:16 58:9	58:14	publications	[7]
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Pikkel's [8] 32:	1 92.13	68:23 75:18		92:8		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	52:9 67:2 78:5		<sup>17</sup> practic		print [1] 61:22		67:11	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	112:16 115:4 136:24	142:14	61:12		probability 100.8	<b>54:21</b>	published[4]	59:14 93:11
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			11 19 pre-dat	ed [1] 47:20	110:1 139:8			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ierhaps [2] 26:5	41:4 112:7 130	):18 [pre-dat		problem [7] 48:16 53:18		pure [1] 20:17	<b>.</b>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	54:18		20   pre-ext 54:22		82:24 115:23	116:18		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	29:18 30:11 39:7	placed[2] 116			1.4		75:19	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					19:21 23:10		purposes [2]	14:5
47:13       48:8       50:14       "74:17       74:19       125:11       precludes µ1       114:2       procentres µ1       75:13       "52:7       69:10       146:4         52:19       52:24       53:24       128:9       plaintiffs µ1       124:4       121:7       122:5       13:12       prepare µ1       13:15       13:51:11       135:11       137:13       pursue µ2       38:6         128:9       plate µ1 60:5       prepare µ1       13:15       135:11       137:13       pursue µ1       41:3       27:4       33:5       37:6         eerineum µ1       41:9       plate µ1 60:5       prepare µ1       22:12       19:12       138:16       19:12       138:16       19:12       138:17       69:5       71:13       75:16         eerineum µ1       117:18       60:4       112:2       12:12       13:22       proceeding µ1       13:22       put µ1 №2       69:5       71:13       75:16       69:5       71:13       75:17       19:12       13:22       12:14       13:22       13:22       13:22       13:22       13:22       13:22       13:22       13:22       13:22       13:22       13:22       13:22       13:22       13:22       13:22       13:22       13:	46:3 46:20 47:10	plaintiff [4] 1:1	6 29:2	96:17	1	75.2	pursuant [4]	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			14		[] 75:13	0.0	52:7 69:10	146:4
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	56:18 112:8 118:23	plaintiffs [1] 124	1 10.10	[2] 12:8				38:0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	121:4 121:7 122:5	1:9	prepare		135:11 137:13			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		1-	)	•		14:6	48:2 64:1	69:3
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		60:4		U[4] "110		]4:22	69:5 71:13	75:16
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	ermanency [1]	]?leas[2] 1:2			4:24 64:13		putting [2]	
22:21       52:15       52:19       point [23]       19:14       presentation [37]       35:11       35:18       35:19         53:23       53:24       55:8       20:6       20:7       20:14       22:2       22:13       22:15       35:10       110:13       110:12       111:18       111:22       122:2       12:11       12:12       12:2:1       12:2:1       12:12       12:12       12:12       12:12       12:12       12:11       13:11       13:13       12:2:2       13:11       13:22       12:2:2       13:11       13:22       12:2:2       13:11       13:22       12:2:2       13:11       13:22       12:2:2       13:11       13:22       12:2:2       13:11       13:22       12:2:1       12:2:2			:19 92:10	97:12 121:17	-		47:11	
53:23       53:24       55:8       20:5       20:7       20:14       22:24       23:22       23:23       35:20       86:7       112:4       qualified [10]       33:6         55:13       55:22       56:23       24:22       28:6       38:24       23:23       120:5       120:5       112:4       121:2       121:1       121:2       121:1       121:2       121:1       121:1       121:2       121:1       121:2       121:1 <t< td=""><td>22:21 52:15 52:19</td><td>point [23] 19:1</td><td>4 presenta</td><td></td><td>35:11 35:18</td><td>35:19</td><td>-0-</td><td></td></t<>	22:21 52:15 52:19	point [23] 19:1	4 presenta		35:11 35:18	35:19	-0-	
56:12       56:16       56:23       24:22       28:6       38:24       24:3       28:11       32:10       processes [2]       84:15       111:18       11:22       12:22       12:22       10:13       10:12       43:23       55:15       55:23       51:4       51:6       51:7       119:13       processes [2]       84:15       126:9       12:22       12:21       12:22       12:22       12:21       12:22       12:21       12:22       12:21       12:22       12:21       12:22       12:21       12:22       12:21       12:21       12:21       12:21       12:21       12:21       12:21       12:21:21       12:21       12:21       12:2	55:13 55:22 56:9	20:20 20:21 24:1	2 22:24	23:22 23:23		112:4		33:6
101:8       117:16       55:24       64:16       97:10       51:14       64:23       65:10       119:13       119:13       129:23       131:11       133:2         ersistent[2]       50:7       55:24       64:16       97:10       68:5       78:8       80:19       produce [2]       63:11       93:7       129:23       131:11       133:2         ersists [1]       49:7       130:8       82:6       84:18       85:10       professional [1]       93:7       116:21       116:21       117:12         ersonal [1]       33:9       95:24       106:3       106:4       15:13       16:9       134:5       133:3       116:9       134:5       133:3       116:6       6:13       6:16       6:13       6:16       6:13       6:16       6:13       6:16       6:13       6:16       6:16       6:13       6:16       6:13       6:16       6:13       6:16       6:13       6:16       6:13       6:16       6:13       6:16       6:13       6:16       6:13       6:16       6:13       6:16       6:13       6:16       6:12       100:1       102:21       102:22       100:1       102:21       102:22       100:1       102:21       102:22       100:1	56:12 56:16 56:23	24:22 28:6 38:2	24 24:3		processes [2]	84:15	111:18 111:22	122:2
ersistent[2]       50:7       112.24       113.8       117.5       82:6       84:18       85:10       93:7       quantify[3]       73:1         50:8       120:4       120:10       121:6       82:6       84:18       85:10       pointessional[1]       93:7       professional[1]       116:21       117:12       quantify[3]       73:1         ersists[1]       49:7       poor[5]       66:16       95:23       107:9       107:13       108:14       professional[1]       68:22       questions[16]       6:13         ersonal[1]       33:9       95:24       106:3       106:4       115:13       116:9       134:5       133:3       forfessor[10]       70:1       6:16       6:20       7:2         erspective[1]       41:22       portions[1]       44:17       presentations[2]       71:5       72:14       72:15       71:5       72:14       72:15       103:11       123:7       123:10         hysical[5]       40:12       27:14       27:15       27:19       professor[20]       28:21       professor[3]       72:10       103:11       123:7       123:10         135:24       142:15       27:15       27:19       58:17       94:4       72:16       72:16 <td< td=""><td>101:8 117:16</td><td>55:24 64:16 97:1</td><td>0 51:14</td><td>64:23 65:10</td><td>1</td><td>63:11</td><td>129:23 131:11</td><td>133:21</td></td<>	101:8 117:16	55:24 64:16 97:1	0 51:14	64:23 65:10	1	63:11	129:23 131:11	133:21
130:8       130:8       130:8       86:18       87:5       87:10       professional[1]       cuestional[1]       cuestioning[1]       107:14         ersonal [1]       33:9       95:24       106:3       106:4       107:9       107:13       108:14       168:22       professional[1]       cuestioning[1]       107:14         ersonal [1]       33:9       95:24       106:3       106:4       115:13       116:9       134:5       133:3       cuestions[16]       61:16       62:0       7:2         ersonally [1]       72:2       portions [1]       44:17       134:13       134:13       134:18       134:20       professor [10]       70:1       70:15       72:14       72:17       88:20         hone [1]       15:21       position [9]       27:13       58:17       94:4       72:16       72:16       72:16       135:24       142:12       142:			6 82:6	84:18 <b>85:10</b>	93:7			
erson [1]       125:4       poor [5]       66:16       95:23       107:9       107:13       108:14       professionally [1]       33:3         ersonal [1]       33:9       95:24       106:3       106:4       115:13       116:9       134:5       133:3       professionally [1]       33:3       cuestions[16]       6:13         ersonal [1]       72:2       population [2]       138:10       134:7       134:13       134:13       134:18       professor [10]       70:1       6:16       6:20       7:2         erspective [1]       41:22       portions [1]       44:17       presentations[2]       71:5       72:14       72:15       71:5       72:14       100:1       102:21       102:22         position [9]       27:13       58:17       94:4       72:16       72:16       72:16       135:24       142:12       14		130:8	86:18	87:5 87:10 89:22 89:23		]		
ersonal [1]       33:9       population [2]       138:10       115:13       116:9       134:5       133:3       -33:3       -33:3       6:16       6:20       7:2         ersonally [1]       72:2       140:23       134:17       134:13       134:18       professor [10]       70:1       70:1       70:1       70:1       70:1       70:1       100:1       102:21       102:22       102:22       102:22       103:11       123:7       123:10       135:24       142:12       102:21       102:22       103:11       123:7       123:10       135:24       142:12       <	erson [1] 125:4		107:9	107:13 108:14	professionally	7[1]	questions[16]	6:13
$\begin{array}{c} \text{respective}_{[1]} & 122 \\ \text{portions}_{[1]} & 44:17 \\ \text{position}_{[9]} & 27:13 \\ \text{hysical}_{[5]} & 40:12 \end{array} \begin{array}{c} 140:23 \\ \text{portions}_{[1]} & 44:17 \\ \text{position}_{[9]} & 27:13 \\ 27:14 & 27:15 & 27:19 \end{array} \begin{array}{c} 134:20 \\ \text{presentations}_{[2]} \\ \text{presented}_{[20]} & 28:21 \end{array} \begin{array}{c} \text{professor}_{[10]} & 70:1 \\ 70:3 & 70:6 & 70:9 \\ 71:5 & 72:14 & 72:15 \\ 72:16 & 72:16 & 88:9 \\ \text{professors}_{[3]} & 72:10 \end{array} \begin{array}{c} 100:1 & 102:21 & 102:22 \\ 103:11 & 123:7 & 123:10 \\ 135:24 & 142:12 & 142:19 \\ \text{quickly}_{[1]} & 90:16 \end{array}$		population [2] 138:	10 112:12		33:3		7:15 7:17	88:20
hone [1]15:21position [9]27:13[presentations[2] $71:5$ $72:14$ $72:15$ $105:11$ $125.7$ $125.10$ hysical [5]40:1227:1427:1527:19[presented [20]28:21professors [3] $72:10$ $105:11$ $125.7$ $125.10$ understand135:24142:12142:12142:19142:11 $125.7$ $125.10$	+		134:20		70:3 70:6	70:9	100:1 102:21	102:22
hysical $[5]$ 40:12 27:14 27:15 27:19 presented $[20]$ 28:21 professors $[3]$ 72:10 quickly $[1]$ 90:16			presente		71:5 72:14	72:15		
	hysical [5] 40:12		0			1	quickly [1]	90:16
$\mathbf{H}$ ( AKIMY KHPIRIING SHKVII H WINCHSING MAA MAAV MAAV Pana	C CARTHY DED	ORTING SERVIC	TE WAR	TESTER NA		l	Indev	Page 1

MC CARTHY REPORTING SERVICE WORCESTER, MA.

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#### quote - ROSMA B. BLUMENKOPF, 3/27/0

98.17         140.18         22:8         23:10         23:18         retainedp1         4:13							B. BL	UMENKOPF,	3/27/0
98:17         149:18         22:5         23:18         regularly part of	quote [3]	29:10	18:24 19:2	19:17			26:19 26:19 53:15	121:21	and in the local data ways on the second data ways of the second data ways of the second data ways of the second
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- K <sup>2</sup> 137.17         146.3         163.6         163.6         163.6         163.6         113.6         <					65:5				
R.m.11.1511.1511.1511.1511.1511.1511.1611.1511.1611.1611.1511.1611.1511.1611.1511.1611.1511.1611.1511.1611.1511.1611.1511.1611.1511.1611.1511.1611.1511.1511.1611.1511.1611.1511.1511.1611.15	<u>-R</u> -		-137.17 1031	) 12 13/:10	relate [9]		16:16		
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raise(r)         10:16         10:11         10:20         10:10:3 <th10:10:3< th=""> <th10:10:3< th=""> <th10:10< th=""><th></th><th>26.10</th><th>10.6 10.7</th><th></th><th></th><th></th><th></th><th></th><th>18.2.1</th></th10:10<></th10:10:3<></th10:10:3<>		26.10	10.6 10.7						18.2.1
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	1	10.01	recover	119.15	1	86:11	1		134:14
rathor 198/22 readure 198/22 recovering 198/24 recovering 198/24 r		42:21	119:20 120:4	117.10	relating [6]				119:1
recoverying 15:2 read; 119:2 18:8 5:42 49:2 14:4:1 read; 11 7:2 14:4:1 7:2 44:9 45:1 7:2 14:4:1 14:4:1 14:4:1 14:4:1 14:4:1 14:4:1 14:4:1 14:4:1 14:4:1 14:4:	ratio[1] 98:22		recovering	120.5		67:12		120:13	
read ng 1182 182 188	re-occurs[1]	119:3	-					reversible <sup>[1]</sup>	100:5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$						146:11		review[12]	13:2
49:20       88:7       103:10       187:8       88:8       99:18       reliability (z)       114:14       115:4       130:2       130:21       137:7       75:8       59:11       75:1       75:16       59:11       75:1       75:16       59:11       75:1       75:16       59:11       75:1       75:16       59:11       75:1       75:16       59:11       75:1       75:16       59:11       75:1       75:16       59:11       75:1       75:16       59:11       75:16       59:11       75:16       59:11       75:16       59:11       75:16       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       10:15:14       11:14:11:12:11       11:14:14:11:23       11:14:11:23       11:14:11:23       11:14:11:12:11       11:12:11       10:15:14 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>13:5 18:24</th> <th>30:22</th>								13:5 18:24	30:22
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reads (n)         38-3         97:14         97:20         97:21         97:20         97:21         77:16         86:20         140:6         111:14         111:13         112:6         reviewed(r)         95:2         95:14         97:2         97:21         97:20         97:21         97:20         77:21         100:10         100:20         100:3         67:2         25:3         10:3         16:3 <th16:3< th="">         16:3         <th16:3< th="" th<=""><th></th><th></th><th></th><th>97:11</th><th></th><th></th><th></th><th></th><th></th></th16:3<></th16:3<>				97:11					
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	reads [1]	22:19							
						139:9		1	
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$\begin{array}{c} \frac{2}{647} & \frac{5}{518} & \frac{6}{6524} & \frac{1}{10218} & \frac{1}{3812} & \frac{3}{3812} &$			121.20 137.1	2 120:10 1 130:6	66:17 87:4			revise[1]	24:11
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					relocated [1]	76:22		right [22]	8:11
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	66:21 119:18	133:18	38.12 38.13					10:4 10:17	12:20
	138:13 138:14	139:12		38:23					
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	34:3 56:8		130:18						
$ \begin{array}{c} 145:5 \\ exsonablerg 20:11 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 48:8 \\ 40:1 \\ 40:5 \\ 41:7 \\ 41:7 \\ 41:1 \\ 41:7 \\ 41:1 \\ 4$				41:11					
$ \begin{array}{c} \mbox{resonable}[{\bf y}] 20:11 \\ \mbox{resonable}[{\bf y}$			1					99.15	20:24
$\begin{array}{c} 40:5 & 41:7 & 48:8 \\ 48:11 & 54:21 & 55:7 \\ 55:12 & 61:16 \\ 55:12 & 61:16 \\ 55:12 & 61:16 \\ 55:12 & 61:16 \\ 55:12 & 61:16 \\ 55:12 & 61:16 \\ 55:12 & 61:16 \\ 55:12 & 61:16 \\ 55:12 & 61:16 \\ 55:12 & 61:16 \\ 55:12 & 61:16 \\ 76:13 & 77 \\ 76:3 & 77:17 \\ 13:17 \\ 76:3 & 77:12 \\ 77:18 & 78:17 \\ 76:18 & 77:10 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:10 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:18 & 78:17 \\ 77:10 & 78:12 \\ 77:10 & 78:12 \\ 77:10 & 78:12 \\ 77:10 & 78:12 \\ 77:10 & 78:12 \\ 77:10 & 78:12 \\ 77:10 & 78:13 \\ 77:10 & 78:13 \\ 77:10 & 78:13 \\ 77:10 & 71:12 \\ 110:12 & 110:22 \\ 110:12 & 110:22 \\ 110:12 & 110:22 \\ 110:12 & 110:22 \\ 110:11 & 110:12 \\ 110:12 & 110:22 \\ 126:11 & 126:12 \\ 126:1$					107:8				00.00
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	recede [1]					14:13			
$\begin{array}{c} \mbox{cetrved} [\mathbf{z}] & 9:10 \\ 13:7 \\ \mbox{cetrt} \mathbf{z}] & 108:8 \\ \mbox{cetrt} \mathbf{z}] & 108:8 \\ \mbox{cetrt} \mathbf{z}] & 108:8 \\ \mbox{cetr} \mathbf{z}] & 124:12 \\ \mbox{cetr} \mathbf{z}] & 111:7 \\ $	eceive[1]				1				
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ecently[3] $62:22$ $81:19$ $57:20$ $146:23$ $126:1$ </th <th>124:22</th> <th></th> <th></th> <th>41:15</th> <th>Rengacherry</th> <th>11</th> <th>'respect[3] 86:10</th> <th>117:10 118:2</th> <th>125:23</th>	124:22			41:15	Rengacherry	11	'respect[3] 86:10	117:10 118:2	125:23
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		62:22			57:20			126:1 126:4	126:5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			referring <sub>[2]</sub>	124:1	repeatrin	100:17		126:7 126:11	126:12
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		70.6	141:7				responds [1] 89:19	126:18 127:12	127:19
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		12.0		24:12	-	140:3	responsibilitieser	128:2 128:15	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		80.4	reflex[1]	39:5		Z:1			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							71:17		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							responsibility		104.24
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $					29:3 30:2		7:18 137:5		+2:17
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		-		21.12		42.16	responsible[1] 138:7		7.7
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	54:17 67·17	40:11 81:1		27.20		89:3 89:3	restriction[1] 80:16		
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	132:2 141:15					100.17			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			87:22 92:19	105:3		25.6			
$\begin{array}{c} \textbf{commend}_{[1]} 136:23 \\ \textbf{cord}_{[15]} 14:3 \\ 67:3 138:7 \end{array} \begin{array}{c} \textbf{regarding}_{[6]} 27:9 \\ 67:3 138:7 \end{array} \begin{array}{c} 142:21 146:24 \\ \textbf{reporting}_{[1]} \\ \textbf{reports}_{[4]} 26:9 \end{array} \begin{array}{c} \textbf{results}_{[5]} 22:1 \\ 24:8 80:8 \\ \textbf{results}_{[5]} 12:1 \\ 95:12 17:16 117:20 \end{array} \begin{array}{c} 61:11 69:13 69:16 \\ 101:21 104:17 111:9 \\ 112:1 112:9 112:20 \end{array}$	39:10	•	106:21 139:6		reporter [3]	<i>4</i> J.0			
cord [15]         14:3         27:23         31:7         66:8         reporting [1]         results [5]         89:20         101:21         104:17         111:9           67:3         138:7         reports [4]         26:9         95:12         117:16         117:20         112:1         112:9         112:20		36:23	regarding [6]	27:9		i			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			27:23 31:7	66:8					
			67:3 138.7		reports [4]	26:9	95:12 117:16 117:20		
		nnna				ر محمد المحمد بين بين بين بين المحمد المان المحمد	-		

MC CARTHY REPORTING SERVICE

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WORCESTER, MA.

## PIKKEL V ZANNETTI

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### CondenseIt!<sup>™</sup>

		-						B. BL	<b>.UMENKOPI</b>	<u>9, 3/27/(</u>
		121:8			showing [5]		sooner [2]	80:22		1:21
	123:12 127:6	128:17				113:20	99:21		1	
	129:10 129:13	130:24	1			114.0		28:19		
	131:6 131:15	132:17	54:5 97:3							69:22
		137:15			5110 W 5 [2]	12:2			0.2.44 (0.1.	3 70:21
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		110 1 -				44.22				57.10
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $									Standard [37]	
			1		sides [4] 44:3				111:6 111:1	0 111:23
		40:17	see [21] 19:18	32:24	44:8 45:14			129:16	112:6 112:1	2 113:16
		4.10	36:18 37:1	37:11					115:3 116:6	116:10
					significance			32:8	110:14 122:1	123:1 126-10
					23:4 85:3	87:9		74:7	126:23 128:1	5 128:21
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	rule [5] 8:15	38:8	129:6 129:14	1			_		129:4 130:2	130:11
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	38:8 122:18	122:19	129:18 133:17	7	109:5 109:14	4 100:5			130:14 130:2	3 131:9
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $					significant		Spaner[5]			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	rules [3] 7:4	7:12			79:22 84:23	87:15	133:17	131:10	134:10 134:1	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		11 - <sup> </sup>	1			94:23	11	54.0	136:16 136:2	1
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	1 ~							57.7		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$								79:19	tandpoint [7	7 20:21
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	10:21 /0:2 1	01.10			119:2 141:14	4 142:13			48:6 64:4	66:22
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	0	]		108.1	significantly	/[3]	specialist [5]	128:5	109:13 125:2	
					94:6 94:19	95:6	129:9 130:4			
								_		
		44:25				92:14	specialties [1			i south and
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	44:24 45:1 4 45:10	43:6		J,10		100 -				23:14
		117:2	41:4 48:20		128-11 122-21	122:6			23:16 65:5	124:22
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	41:15 41:16				48:13	י רדן	59:9 62:15	64:17		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		73:17			it[3] 47:4	47:4	72:1 83:5	83:10	63:10 109:21	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	74:16				92:9				statement [7]	10:19
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		31:24			itting[1]		98:15 98:17	105:17	11:6 19:2	27:20
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		2.6			ituation [6]		106:10 107:24	141:14		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{bmatrix} says[12]21:22 & 2\\ 30:2 & 54.16 & 6 \end{bmatrix}$	4.2 4.2				91:15	specifically	15]		10:12
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	109:23 117:22 1	130:14				Q0.10	43:2 43:9	53:19		56.10
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	131:12 132:2 1									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			<u>49</u> . 1		110:15			105:11		
i15:11i17:23service[4]i2e [i3]31:6specifics[2]79:2395:1797:11101:16scans[1]60:7 $73:16$ $73:23$ services[4] $73:16$ $73:23$ services[4] $129:21$ $129:21$ $129:21$ $102:2$ $102:3$ <t< td=""><td></td><td>13:14</td><td></td><td></td><th></th><td></td><td>106:21 126:3</td><td></td><td>Szaugu (2011)</td><td>21:0</td></t<>		13:14					106:21 126:3		Szaugu (2011)	21:0
scans(1) $60:7$ $73:16$ $73:23$ $114:7$ $129:21$ $102:2$ $102:3$					ize [3] 31:3		specifics <sub>121</sub>			
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			73:16 73:23		114:7		129:21		102:2 102:3	102:10
118:22121:1873:1173:1313:13school [11]40:11 $3:12$ $7:13$ $3:12$ $7:13$ $1:10:12$ $1:10:12$ school [11]40:1741:2 $58:11$ $seven [2]$ $1:13:8$ $1:10:12$ $1:10:12$ $1:10:12$ $62:6$ $62:8$ $70:7$ $1:23:8$ $1:23:8$ $1:10:12$ $1:10:12$ $1:10:12$ $1:10:12$ $9:6$ $9:13$ $70:11$ $70:11$ $70:12$ $1:10:12$ $1:10:12$ $1:10:12$ $1:10:12$ $9:6$ $9:13$ scientifically-reliable $5:2:22$ $5:2:20$ $5:2:20$ $5:2:20$ $5:11$ $9:17$ $9:17$ $1:1:16$ $1:1:2$ $1:1:16$ $1:1:2$ $1:1:16$ $1:1:2$ $1:1:16$ $1:1:2$ $1:1:16$ $1$					sleeping[2]	136:9				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	118:22 121:18		73:11 73:13			CO 10	:peculating	1 55:3	140:20 140:23	110:9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	school [11] 40	0.4 A						55.5	statistically	1]
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	40:17 41:2 58	8:1 s			98.6 08.12	/0:18	-1	-	94:6 95:4	95:8
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						136.10				
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		10		50.00						102:1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						17.J				I
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	[1] 67:2			55:5	1					31-15
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Scott [8] 3:5 3:1	:7 s		ł			pinal [4]	36:21		ل ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		):24 [s]		39:17			37:2 68:20	117:15		I
Scott $S[1]$ $17:21$ shift $[1]$ $123:18$ sometime $[2]$ $77:21$ $65:4$ $67:22$ $68:3$ $54:16$ scratchings $[1]$ $25:2$ short $[4]$ $123:16$ $131:8$ sometime $[2]$ $77:21$ $65:4$ $67:22$ $68:3$ $54:16$ screening $[1]$ $113:23$ short $[4]$ $123:16$ $131:8$ sometimes $[1]$ $41:15$ $65:4$ $67:22$ $68:3$ $54:16$ search $[2]$ $31:10$ show $[7]$ $10:9$ $10:18$ sometimes $[1]$ $41:15$ $55:10$ $66:13$ $66:14$ $91:14$ $91:24$ second $[12]$ $18:8$ $107:12$ $114:20$ $80:15$ $80:15$ $80:15$ $80:15$ $80:15$ $80:15$ $80:15$ $80:16$ <	1 m m	5.) 		1				65:3	stick-um [2]	26:20
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		/.21   ,		1		77:21		68:3 75:0	54:16	I
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		):2   d	hort [4] 123:16	131:8		4		87.6		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		13:23	10010 1001	,	sometimes [1]	41:15		·····	stickie [1]	140:12
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	search m	.10	,					72.0	55.00 00 1	60.5
second [12] 18:8 107:12 114:20 soon [3] 78:10 80:15 Square[1] 2:4 77:4 91:14 91:24		21			somewhere		sparsti	/3:8		
						80.15		2:4		70.1 91:24
			-97.14 114:20							
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#### PIKKEL V ZANNETTI

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# stool - translate B. BLUMENKOPF, 3/27/0

											B. BLI	JMENB	<u>COPF,</u>	3/27/0
		110:11		such [1	6]	4:22	swore	[1]	107:15	69:17		132:4		
		125:13	136:8	5:1	22:11	40:6	sworn		4:1	technical	<b>[]</b> 77:11	third [2]	29:6	40:14
	6:10			64:2	64:2	72:23	146:6			technique	60:18	thorou	gh[1]	38:8
		29:18	30:10	117:3	117:5 128:5	118:1 128:11	sympt	om[2]	42:22	technologi		thorou		
53:			50 1 D	132:23	128:5	146:13	59:13		_	60:9		though	0 0	35:15
	oling	0	53:12	sugges		120:3		omatol	logy[1]	technology	v[3] 60:2	65:20	68:4	92:6
	<b>P</b> [4]		18:12	120:8	120:9	121:5	76:11			60:18 113	:12	132:3		
88		88:3 •	05.00	sugges	sting[1]	101:4	sympto	oms [23]		telephone		three [1	2]	54:19
25:	ppec	1[2]	25:22		stion[1]		18:18 34:7	18:19 42:19	32:15 42:19	Telephoni	ically[1]	63:6	76:12	76:20
	eet[1	7	1:13	sugges		46:16	42:24	45:24	46:1	1:20		76:24 94:7	88:21 101:19	94:3 10 <b>2:2</b> 4
	etch		39:19	54:18	90:20		48:24	49:11	49:21	telling [2]	134:12	118:16		102.27
1		ral [7]	41:24	Suite	1]1:18		50:11	58:16	76:9	141:24		thresh		130:9
42:		42:4	42:9	sum [1]	125:17		78:11 80:24	79:13 <b>82:8</b>	80:12 82:13	<b>ten</b> [11] 23:2 69:11 69:1	24 38:2 15 71:13	through		26:16
60:		97:3	116:1	summa	<b>1TV</b> [1]	26:9	99:8	04:0	04:15	69:11 69:1 71:15 99:0		26:17	34:24	52:6
stu	dent		69:18	summe		125:15	1	me [100]	18.20	123:13 131		74:7	77:24	82:18
69:	20	70:15		Summ		77:2	27:10	28:4	28:17	Ten-minut		99:24	107:22	110:7
	dies	[14]	42:12	1	ision [1		28:21	29:8	29:13	tenet [2] 120		110:11 143:5	113:13 143:5	143:4 143:6
67:	2	86:19	86:20	suppor	-	27:3	30:9	32:1	32:8	term [3] 5:13		throw		143.0 64:9
93:	11		93:20 115:10	29:17	[**]	-,,0	33:7 36:16	33:21 36:21	36:12	72:15		times	-	64:9 4:20
108		114:2 128:11		suppor	ts [3]	27:12	41:20	30:21 42:7	36:21 48:10	Terminal [1	2:3	8:9	65:20	4:20
	5:12			27:15	27:17		48:24	49:14	51:2	terms [18]	17:4	125:9	000	
	dy[49	9]	27:4	surgeo		137:5	51:16	52:14	53:8	20:12 21:5	5 21:17	timing	[13]	18:23
27:	5	27:8	27:9	surgeri	ies [4]	67:3	53:16	54:23	55:10	25:3 25:1		48:1	84:20	84:22
27:			31:15	74:23	75:9	76:2	57:11 58:10	58:6 58:20	58:7 59:4	31:15 53:2 59:21 60:1		86:6	86:10	86:14
31: 64:			60:5 87:6	surger	y[50]	19:9	59:10	58:20 59:23	59:4 64:11	80:7 85:1		86:16 <b>94:8</b>	89:20 106:10	89:22 110:2
87:			91:7	23:13	24:3	28:10	65:13	66:2	66:6	123:17 132	:16			117:7
93:	23	94:12	94:13	52:8 53:22	52:9 68:23	52:13 70:23	67:5	67:13	67:24	terrible [1]	79:19	tissue [ 117:9	<u>~</u> ]	TT/'/
94:	13	101:15	101:16	72:11	77:10	78:5	75:17	76:3	76:6	test [5] 37:1	1 38:22	title [1]	107:8	
		102:19		79:11	80:13	81:7	77:16	80:2 84:11	83:15 84:19	38:23 113	:23 128:3	today	131	5:22
103			105:20 106:9	82:8	83:11	86:7	85:20	86:21	88:18	testified[8]	68:2	6:4	6:10	6:23
106	:24	100.8	110:9	86:10 96:23	93:18 96:24	96:17 97:15	89:8	90:12	93:14	125:22 125		7:6	7:14	7:18
113	:13	116:3	123:3	97:16	90.24 97:17	98:3	93:19	94:16	99:18	128:23 129 130:5	:23 130:1	7:20	8:3	8:18
135		13514	135:15	98:21	99:1	99:12	99:19 100:20	100:7 106:11	100:8	150.5	131:24	11:16	12:12	55:18
138		138:21 139:10		99:15	99:21	101:11	100:20	109:10		testify[3]	7:10	<b>togethe</b> 47:12	<b>1 [4]</b> 48:2	37:7 75:16
		140:23				102:4 106:11	111:18	111:23	112:15	88:12 141:		t.one[5]		38:22
stuf			69:10	102:11		106:11	113:5	113:17	114:22	testifying		41:4	128:10	130:19
		te [11]		120:13	121:6	136:17	115:2	121:4	122:3	testimony [		too [1]	60:9	
		34:13		137:6	137:24		122:1/	122:19 127:20	127:4	88:6 88:1		took [2]		92:20
85:1			85:14	141:9			129:1	127:20	129:15	123:23 129:	:23 131:2	tool [3]		113:5
85:1		36:11	86:17	surgica		20:2	129:19	129:24	131:12	139:16 144:		113:8		
86:2			0 4 <b>F</b>	23:24	<b>24:1</b> 51:19	30:19 65:12	131:21	132:12	133:8	testing [3]	39:1	tools [1]	113:1	
		tes[1]		67:12	69:7	69:21	134:1	134:12	134:15 135:11	130:3 131:		top [1]		
<b>Sub</b> - 68:1		cialties	5[1]	78:22	84:12	84:20	system		37:6	tests [2] 122:		torture		88:5
1		cialty		84:22	85:9	85:13	62:8	[4]	57:0	textbooks		total [8]		20:1
62:1		ciarty[]	r]	85:15 86:15	85:18	86:12				57:10 59:1		24:1	34:1	38:11
suba		ern s	84:21	88:15		86:22 89:19		-T-		texts [4] 57:1 57:14 57:1		38:13		125:18
sub			58:14	108:12		115:19	table		24.00	Thank [4]	7:3	touch		39:11
144	3 1	46:6	-0.17	115:20	115:23		table~		34:22	13:23 69:1		Tower	1]	2:3
		vely[1]		141:9			tabs [1]		<b>a</b> a <i>i i</i>	thecal	30:13	track [2]	63:7	74:23
49:5		· J [-]		surgica		60:17	tactilel		39:14	themselves		tracked	[1]	75:1
subs		e[2] .	58:5	120:10			t:&e-ho		87:14	126:21 137:		trained	[1]	41 <b>:1</b>
59:1	7			surmise		35:22	takes[1]			therefore [2]		training		58:1
		ent [3] 8	3:10	surprise	€[2]	127:11	taking [		20:18	139:9		60:24	88:23	110:22
1		21:11		127:15		111.0	56:24 146:5	134:3	144:3	thereof [1]	53:9	transcri	pt[4]	143:4
subs			52:2	suspect 112:15	<b>ed [5]</b>	111:8 115:3	140:5 talks [1]	21.12		thereupon	146:7	144:2		146:22
succ			108:12	12:15	0:011	0,011			02.10	they'vern	80:17	transfer	[2]	85:17
109:		20:12		suspect	ingro	129.11	taught []	-	92:19	thinking [2]	35:17	85:21		
		<b>ul</b> [1] 1	01:13	swellin		119:13	tax [1]			54:24		transfer		
		ully [1]	ł	121:15	6 L4I	212,22	teach[1]		(D. 0.)	thinks [2]	6:16	†translat	es[1]	109:19
67:2-	4						teaching	g [2]	68:24					
100	~ × *			PTNI						-			<b>-</b>	Page 1'

MC CARTHY REPORTING SERVICE WORCESTER, MA.

Index Page 1:

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i

#### CondenseIt!<sup>TM</sup>

						B. BLUM
126:13	unless [5] 80:20 83:24	35:22		·····	worked [2]	17:13
	146:23	120.4				4:23
		56.4				4.23
67:24	98:13	50.1		91:1	1	110:18
10.0		140:19		92:7		123:13
19:8						123.15
		11125	waiting[2]	91:19		146.0
		25:12				146:8
	28:6 31:15	55:24				67:11
					written [7]	7:11 58:22
			•			107:11
103:16	urgency [2]	85:9				27:1
124:16					WICCELT	47.1
144:1	urgent[2]	89:17				
		10.01	waxing [1]	121:18		
	<b>Urinary</b> [15]	18:21	ways [1] 35:17		X [1] 2:10	
]	82.24 112.14	02:10 112:17	week [4] 72:4	110:17		
07.0	112;22 118:23	120:1	110:20 110:21		-Y-	
	122:4 122:7	128:13	weekend [2]	92:4	vear (9) 40.14	40:15
	134:6 134:14		110:16		56:3 74:24	75:3
11,041	urine [2] 29:18	30:10	weeks [3]	54:19	83:23 107:24	124:7
34:15	urological [3]	34:20			124:9	
	35:6 57:14		weight [8]	138:1	yearly <sub>[1]</sub>	73:6
114:4	urologist[1]	35:16			years [18]	10:22
117:19				140:21	55:21 61:1	61:2
				107.15		65:6
19:20						76:19 88:10
59:20					107.20 /0:24	88:10 124:5
63:6	74:13 120:21	ч <b>Ј</b> .0				1. J. T. J
		92.11	whereas [1]	85:14		62:23
		12.11	whereby[1]	91:11		11:12
02:9 90:22			whole [2]	42:23	<b>yct[4]</b> 11:10 12:14 75:21	11.12
			124:23		1	57:18
	vagina [1]	41:13	Wilkins [1]	57:20		77:18
		41:12	window [13]	22:17	78.2	( /.10
ل. <i>د</i> ر			23:2 67:21	87:4	1	72:12
	valuable	65:19				132:22
	65:20 65:23				133:10 138:1	141:5
		94:22				
1:12		00.22			-7	
10.0			W1th1n [28]			
19:2		110.17				1
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		1157			<b>2610 [1]</b> 99:12	
		46:24	82:20 82:23	90:18		
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4.13		24:7				
7:4	95:1 95:18	95:19		97:15		ļ
8:18	101:23 102:1	102:12		2.5		
21:10						
53:5		105:24				
				- 10140		1
		20:11		36:2		
6:3		2.4	39:4 41:12	48:9		
			77:15 81:16	99:2		
[1]				53:8		
			Worcester	1:14		
	voiding [1]	81:17				1
	$VS_{[1]}$ 1:4	01.17	146:1 14618	[		
	122:20 78:22 67:24 19:8 57:11 94:8 9:23 13:22 24:7 92:13 103:16 124:16 144:1 37:6 98:18 138:11 34:15 86:4 114:4 117:19 10:22 19:20 59:20 63:6 72:20 74:18 82:9 90:22 110:19 75:6 59:5 11:12 19:2 71:2 96:3 146:23 [1] 4:13 6:1 7:4 8:18 21:10 53:5 5:19 91:10 6:3	122:20       80:20 $83:24$ 78:22       146:23         67:24       98:13         19:8       unquote[1]         94:8       78:3         9:23       up [11]       21:12         13:22       28:6       31:15         146:23       unusual [2]         94:8       78:3         9:23       up [11]       21:12         13:22       28:6       31:15         13:21       138:6       103:16         103:16       urgency [2]       91:12         urinary [15]       80:1       81:17         82:24       112:14       112:22         138:11       134:6       134:14         urine [2] 99:18       134:6       134:14         urine [2] 99:18       35:6       57:14         14:13       urologist [1]       urologists [1]         10:22       useful [1]       useful [1]         19:20       useful [1]       useful [1]         90:22       -V-       -V-         10:19       vagina [1]       vagina [1]         75:6       53:1       valuable [9]         65:20       65:23       91:20	122:20       80:20 $83:24$ 125:4         78:22       unlikely[2]       56:4         98:13       unquote[1]       140:19         97:24       unquote[1]       140:19         97:25       unquote[1]       140:19         94:8       78:3       9:21         9:23       up [11]       21:12       25:12         13:22       28:6       31:15       55:24         108:21       125:15       125:17         92:13       urgency [2]       85:9         103:16       urgency [2]       85:9         103:16       urgency [2]       89:17         91:12       urinary [15]       18:21         103:16       urgency [2]       89:17         91:12       urinary [15]       18:21         103:16       urgency [2]       89:17         91:12       urine [2]       99:17         91:12       urine [2]       18:21         11       12:24       12:14       112:17         11       12:24       12:14       112:17         11       urine [2]       93:13       35:16         12:4       12:12       12:14       12:17 <t< td=""><td>122:20       80:20       83:24       125:4       <math>-W</math>-         78:22       unikely[2]       56:4       wait[7]       90:22         9:3       unquote[1]       140:19       120:12       120:12         9:3       up [11]       21:12       25:12       wait[7]       90:23         9:3       up [11]       21:12       25:12       wait[1]       wait[1]         9:13       132:11       138:6       142:11       wait[1]       wait[1]         9:13       urgent[2]       85:9       wants [1]       wait[1]         124:16       866       wards [1]       wards [1]         110:21       112:22       118:23       120:11       110:10         12:24       122:14       122:17       18:21       wards [1]       wards [1]         138:11       134:6       134:14       110:20       110:21       wards [1]         110:20       112:22       118:23       10:10       wards [1]       wards [1]         138:11       134:6       34:17       80:1       138:11       138:12       139:11       139:12         138:11       134:21       139:11       139:12       139:11       139:12       139:11       139</td><td>122:20       80:20       83:24       125:4       <math>-W^-</math>         78:22       unlikely[2]       56:4       wait[7]       90:22       91:13         19:8       unquote(1)       140:19       91:13       92:7         19:8       unquote(1)       140:19       91:13       92:7         122:20       28:6       31:15       55:24       wait[7]       90:12         132:11       138:6       142:11       wait[7]       90:19         141:12       108:11       125:15       125:17       wait[7]       90:19         103:16       urgency[2]       85:9       wants [1]       99:13         103:16       86:6       wards [1]       99:13         124:16       86:4       wards [1]       99:13         138:11       11:12       11:12       11:12       11:12         110:22       11:12       12:14       11:2:17       11:0:17         110:21       urgency[2]:18       30:10       weeks[3]       13:8:1</td><td><math display="block">\begin{array}{c c c c c c c c c c c c c c c c c c c </math></td></t<>	122:20       80:20       83:24       125:4 $-W$ - 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