In The Matter Of:

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BONNIE PIKKEL, ET AL v. MARK ZANNETTI, D.C., ET AL

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HERBERT H. ENGELHARD, M.I April 25,200

Page 1 13 IN THE DISTRICT COURT OF CUYAHOGA COUNTY, OHIO	[1] PRESENT: (continued)
2] COMMON PLEAS COURT	
3] 4) BONNIEPIKKEL, ET AL.,)	[3] REMINGER& REMINGER, [4] (113 Saint Clair Street, Suite 700,
5] Plaintiffs.	[5] Cleveland, Ohio 44113), by:
6] VS.) No. 326207	[6] MS. LINDA GORCNNSKI,
7) MARKZANNETTI, D.C., ET AL.)	[7] appeared on behalf of Defendants.
B] Defendants.	101 And
 The deposition of HERBERT H. 1) ENGELHARD, M.D., called for examination, taken 	
2) pursuant to the provisions of the Code of Civil	
a) Procedure and the Rules of the Supreme Court of	[10] [13] A.
4) the Slate of Illinois pertaining to the taking	[14] A BAN AR RADON AN ANALYSIAN AND AND AN AND AND AND AND AND AND AN
5] of depositions for the purpose of discovery,	[15] "你们,我们的问题,你是你们的问题,你是你们的我们是你们。"
6] taken before LORIANNE McGUIRE, CSR No. 84-4269,	[16]
7] a Notary Public within and for the County of	[17]
8] Cook, State of Illinois, and a Certified	
9) Shorthand Reporter of said state, at Suite 1000, 0) 155 North Wacker Drive, Chicago, Illinois, on	
 i i so north wacker Drive, Chicago, iunois, on the 25th day of April, A.D. 2001, at 1:45 p.m. 	
a) the zourday of April, A.D. zoor, at 1:49 p.m., 2]	
■ 3] Single Andrew Strategy and the	
4	[24] REPORTED BY: LORIANNE McGUIRE, CSR NO. 84-4269.
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and the second secon	
and the second	
	Page
	[1] (WHEREUPON, certain documents
Page 2	[2] were marked Deposition processes of the second state of the se
1) PRESENT: 《学校》》(1),《学校》》(1),《学校》》)	raj Exhibit Nos. A-C. for
	[4] identification, as of
3] LINTON& HIRSHMAN, University and the second states of the second states and the second states of the second sta	[5] 4-25-01.)
4] (700 West Saint Clair Street, Suite 300 , and the standard stand Standard standard stan	[6] (WHEREUPON, the witness was duly
5] Cleveland, Ohio 44113), by: 6] MR. ROBERT LINTON,	[7] sworn.)
 6] MR. ROBERT LINTON, 7] appeared on behalf of Plaintiffs; 	[1] HERBERTH. ENGELHARD, M.D.,
	[9] called as a witness herein, having been first
9] LAW OFFICE OF MARK RUFF,	10] duly sworn, was examined and testified as
0] (700 West Saint Clair Street, Sulte 300,	III follows:
1] Cleveland, Ohio 44112), by:	12] EXAMINATION
2) MR. MARK RUFF,	BY MR. LINTON:
appeared on behalf of Plaintiffs;	[4] Q: Doctor, good afternoon. My name is
 appeared on behalf of Plaintiffs; 4] 	 Q: Doctor, good afternoon. My name is Bob Linton. We met just a minute ago. Mark
 appeared on behalf of Plaintiffs; 4] 5] 	 Q: Doctor, good afternoon. My name is Bob Linton. We met just a minute ago. Mark Ruff is on the line as well. The two of us
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HERBERT H. ENGELHARD, M.D. April 25, 2001

BONNIE PIKKEL, ET AL MARK ZANNETTI, D.C., ET AL

Page 5 (1) have in front of us your entire file in this	Page 7 [1] that are in your current cauda equina file?
[2] case? [3] A: Yes.	[2] A: No, although there was some overlap[3] with what was in the one deposition and article
[4] Q: Has there been anything removed at any	[4] by Dr. Shapiro, for instance, from 1993.
[5] time from this fie?[6] A: No.	[5] MR. RUFF: 1'mstill having problems [6] hearing.
 [6] A: No. [7] Q: Aside from the literature that is 	[7] (WHEREUPON, discussion was had
[8] contained in Dr. Bell's deposition, have you	[8] off the record.)
[9] independently reviewed or researched the [10] literature in connection with this case?	 MR. LINTON: We'll have to do the best we can because we can't be screaming and the phone
(11) A: A Little bit. To answer the question	11] is close as it can get. BY MR. LINTON:
[12] more fully, I'd say that, you know, I've had	
[13] patients with this condition so I've been aware [14] of the literature. When I was fist contacted	 Isj G: Just so we can get back on track, you were identifying for us what articles ate in
[15] about this case, I looked at some of the	151 your cauda equina file. You mentioned some
[16] literature.	16] overlap with Shapiro including an article from 17] 1993.
[17] Over the past few weeks, especially[18] since literature was in one of the depositions,	 17] 1993. 18] Any other articles or abstracts in
[19] I looked at some literature, various papers and	19) your file that you can recall?
[20] book chapters. As I sit here today, I couldn't [21] tell you all the authors of those.	A: There are other articles and abstracts in the file. I know that there was an article
[22] Q: Did you keep a file either a hard file	22) from surgical neurology now that I think about
[23] or a computer file of the research that you've [24] done in connection with this case?	 23] it in 1998 from a Japanese group. But really as 24] far as the specific authors and so forth, I
Va.'	
Page 6	Page 8
[1] MR. RUFF: Excuse me, this is Mark Ruff. [2] cannot hear the doctor at all.	 [1] can'tremember. [2] Q: Would you be willing to provide to us
(9) THE WITNESS: I'll sit a little closer,	3 at our expense a copy of your file as it now
[4] sorry about that. Is this better?	[4] exists? [5] A: If that's okay with Mr. Torgerson.
 MS. GQRCNNSKI: That's much better. MR. RUFF: Bob, if you could try and keep 	I ISE A. ICHIAL SOKAV WITH MELIOISCESOIL.
[7] your voice up, that would be helpful as well.	[6] MR. LINTON: Do you have any objection to [7] that, Ken?
[7] your voice up, that would be helpful as well.[8] MR. TORGERSON: They're too polite at this	 [6] MR. LINTON: Do you have any objection to [7] that, Ken? [s] MR. TORGERSON: I don't know. I'll just
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 [7] your voice up, that would be helpful as well. [8] MR. TORGERSON: They're too polite at this [9] point and too soft spoken. [10] MR. RUFF: I completely missed the answer. [11] I didn't want to interrupt his answer. Go [12] ahead. [13] BY MR. LINTON: [14] Q: Just so we're clear the question is. [15] have you retained a file of the research that [16] you've done in connection with this case? [17] A: I don't have — I have a file in my [19] office that has a few articles on cauda equina [19] in rlumbar disks and an abstract or two I might [20] have thrown in there. But as far as a file [21] specifically for this case with cauda equina [22] articles for instance or other relevant 	 [6] MR. LINTON: Do you have any objection to [7] that, Ken? [s] MR. TORGERSON: I don't know. I'll just [9] make an objection for the record, but I suspect [9] we'll be glad to do so. [1] BY MR. LINTON: [12] Q: Doctor, aside from what's in that [13] file, can you recall any articles you'd have [14] looked at in connection with this case? [15] A: Well, what I did on a couple of [16] occasions was just to scan through abstracts and [17] articles using an Internet search just to [18] refresh my memory and make sure I hadn't omitted [19] any critical articles. [20] I didn't really print all those out. [21] I just sort of read them because there's [22] hundreds of articles as you know, if not

[4] specifically for this case?

5

[10]

[15]

[17]

[rei

[19]

[20]

[22]

[23]

[14] you?

[16] may answer.

A: Correct.

A: Yes.

^[24] in this case?

A: As I sit here today, I do not recall.

[7] topics are something I deal with if not everyday

[8] every week. So you know, I may have just looked

Q: You have no record that you can look

MR. TORGERSON: Note an objection. But you

BY THE WITNESS.

BY MR. LINTON:

[11] to now that would show the jury for sure that

[13] for this case before preparing your report, can

[12] you had done a literature search specifically

[6] It's more likely than not that I did, but these

(9) into it a month before. I really can't say.

Q: Your report is identified as

[21] ExhibitA, That's dated September 17, 1999?

Q: Is that the only report you prepared

April 25, 200

Pag	
[1] did do a search through an Internet through med	[1] A: Yes.
[2] line.	[2] Q: I note the handwritten word bladder on
[3] Q: What did you use as your search term?	131 the second page. What's the significance of
[4] A: Oh, let's see, I did a search cauda	[4] that?
[5] equina, I looked through some articles on lumbar	A: Well, the significance of this is, of
6] disk herniation.	for course, I was contacted back in 1999 to review
MR. RUFF: Hello.	[7] some records, and I agreed to do so. I
[8] MS. GORCNNSKI: It just got a lot worse.	m generated this letter or report to
(9) MR. RUFF: I can't hear at all,	[9] Ms. Chrisafi. As the case developed and Iwas
[10] BY THE WITNESS:	[10] sent more information and more depositions, I
A: I looked through some articles on	[11] made a couple little designations on this letter
[12] lumbar disk herniation. I looked through some	[12] which is certainly sort of as you can see a
[13] articles on urinary problems. I can't think of	[13] preliminary short page and a half report or
[14] anything else as a sit here right now.	[14] letter.
[15] BY MR. LINTON:	[15] I put the word bladder over nerve
[16] Q : Are you able to identify any other.	[16] roots because at the beginning of Page 2 it
[17] specific articles you looked at besides the ones	[17] says, "Myopinion is that Ms. Pikkel's nerve
[18] we've just identified and those contained in	[18] roots were damage prior to her presentation,"
[19] Dr. Bell's deposition?	(19) and I wanted to clarify in my known mind what I
[20] A: No.	[20] meant by that. Nerve roots is a pretty general
[21] Q: Would there be any way to reconstruct	[21] term, and what I meant by that is that the nerve
[22] that at this point without —	roots going to her bladder and for the control
[23] A: I could do more searches but that	[23] of her bladder.
[24] might not tell exactly which articles I was	[24] Then I put C.E.S. at the bottom.As
	and the second
$\ u \ _{L^{\infty}(\Omega^{1,1}(\Omega))} \leq \ u \ _{L^{\infty}(\Omega^{1,1}(\Omega))}$	the second and the second s
	and the second
Page	
[1] looking at, but I could do some more searches.	[1] you know, this has sort of developed into a big
[2] Q: Did you do a search of the literature	[2] discussion about cauda equina syndrome, and
^[3] before you prepared your report in this case	(a) that's what that stands for Those are the two

[4] little notations I made on it. Q: What were the specific nerve roots in [5]

[6] the bladder that were damaged? A: Well, we usually think of the sacral [7] a roots I guess through S5 going to the bladder, [9] and we may not be able to tell exactly which one 10] of those was damaged. Usually it's going to [11] occur bilaterally in order to cause that sort of [12] a problem. So I would say because we know that [13] her bladder was having malfunction, those sacral [14] nerve roots. That's what I meant. O: Those sacral nerve roots being some or [15] [16] all of the nerve roots most likely bilaterally [17] from S2 to S5? A: Correct. 1181 Q: Did you actually review the films [19]

[20] themselves? A: Yes. [21]

Q: Do you have those with you or do you [22] [23] have those back in your office? A: I don't have a copy of those right [24]

April 25, 2001

BONNIE PIKKEL, ET AL v. MARK ZANNETTI, D.C., ET AL

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	the second se	
Page 13	Pag	ge 15
11 now. My recollection is that I mailed them to	[1] A: I would say that that opinion comes	
[2] someone, but I did look at the actual films.	[2] from Dr. Bell's records and probably his	
pi Q: Was your interpretation	^[3] deposition as well, and it might come from what	
[4] consistent — strike that.	[4] Ms. Pikkel related in her deposition. Again, I	
[5] Was your interpretation the same as	[5] don'tknow if that is true as far as what	
[6] Dr. Bell's and the radiologist that reviewed	[6] injuries she still has, if any, today.	
m them?	m BY MR. LINTON:	
[8] A When I looked at the films, my	[19] Q: Are all of her bowel, bladder, and	
[9] recollection is that as far as what the	in perineal numbress problems a direct cause of the	
10 radiology report said about them, I was pretty	10] cauda equina syndrome?	
[11] much in agreement with that, an early	A: I would say, no. We would have to	
[12] THE WITNESS: Are you hearing me better?	^{12]} break those down if you wanted my opinion about	
[13] MR. RUFF: I'm having a lot of troub le	(3) each individual thing.	
(14) here. I'm wondering if when you guys picked the	Q: What is the cause of her bladder	
[15] phone up you did something with the speaker	រត problem?	
[16] volume.	A The bladder problem according to my	
[17] (WHEREUPON, discussion was had	17] review of the records started with the	
[18] off the record.)	^{18]} manipulation by the chiropractorDr. Zannetti.	
[19] BY MR. LINTON:	I would say the — just to finish up	
[20] Q : Does your report identify the items	in the answer of the question, the bowel problems	
[21] you would have reviewed before preparing the	in and the numbress problems really became apparent	- e
[22] report?	22] and continued, of course, after her presentation	
[23] A: Yes.	²³ to the emergency room on I believe it was the	
[24] Q: What is your understanding of	²⁴ 5th; in other words, the second time she came	
Page 14	Pag	nge 16
Page 14 [1] Ms. Pikkel's current condition?	Pa	ige 16
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[1] pain, there is numbress, there is weakness, and	in be severe and in the back and that may be
[2] there is bowel, bladder involvement. Those	[2] radiating down the legs as well.
[3] things constitute the cauda equina syndrome.	[3] Q: Now, from a mechanical standpoint the
[4] She never Rad much in the way of	[4] reason why you have a full syndrome is that more
s numbress going down her legs or weakness of her	[5] of the nerve roots in the cauda equina would be
[6] legs to make it the full syndrome. So I would	[6] compressed as opposed to only some of those
n say she had a partial cauda equina syndrome at	[7] nerve roots being compressed?
B) best — or at most I should say, and the destroy which it	[8] MR. TORGERSON: Objection.
[9] Q: From your perspective.	Image: BY MR. LINTON:
10 A: Maybe worst. That's what she had	[10] Q: Is that mechanically what happens?
11] immediately prior to the surgical intervention	(11) A: Yes.
12) on the 5th. Ω : Let me see if I'm understanding your Ω .	[12] Q: In terms of whether it's acute or
13] Q: Let me see if I'm understanding you	[13] chronic or subacute, how do you define acute in
14] correctly. You would define a full cauda equina	[14] terms of a time frame?
15] syndrome to include pain, numbness, weakness,	A: Well, you kind of answered the
and bowel and bladder disfunction? 7 A: Correct.	[16] question right. It's in terms of the time
 A start of the sta	[17] frame. You know, different articles have said
Q: Because she did not have numbress into the lags of weeks and in her lags it mould be and	[18] 24 or 48 hours, maybe some people put it at 72
9 her legs or weakness in her legs, it would be an	[19] as far as acute. Other authors have put a
incomplete cauda equina syndrome?	[20] 72-hour time period or maybe a little bit longer
1] MR. TORGERSON: I'm just going to interpose	[21] in the subacute category. Chronic is definitely
22] an objection, I think it's vague. Go ahead.	[22] being there for several days, weeks, months.
	[23] But I think for all practical intense
Q: Am I understanding you correctly?	[24] and purposes we could say the acute would be in
	$\frac{1}{2} \left[\frac{1}{2} \left$
an a	an a
a standar s A standar a	and a second
n an an an an an ann an ann an Anna Anna Anna an Anna Anna Anna Anna an Anna an Anna Anna Anna Anna Anna Anna A Anna Anna	the standing and the second standing and the second standing standing standing standing standing standing stand
	<u>– Line transforder and an antipation and an an an an an an an</u> An an
Page 18 i) A: It wasn't a complete cauda equina	Faue
syndrome. It wasn't the cauda equina syndrome,	(i) that 24, 48 hour time range.
a for instance, that is dealt with in the Shapiro	[2] Q: Now, the actual disk herniation in
articles because it doesn't have all the	[9] your opinion occurred at the time of the
5) features of the syndrome. Syndrome means	[4] chiropractic manipulation?
s reatines of the syndrome. Syndrome means	A: I think that's when it started, yes.
	[6] Q: Can we agree that it is reported in
[7] G: So I'm clear, the symptoms that were [8] lacking from the full syndrome were numbress in	[7] the literature that chiropractic manipulation
is the legs and weakness of the legs?	[8] can, in fact, cause a cauda equina syndrome?
	MR. TORGERSON: Objection. But go ahead.
	[10] BY THE WITNESS
2] A: I think those are the main findings.	BY MR. LINTON:
a) The syndrome may also have positive straight leg	[13] Q: That was something that you were aware
4) raising, but yes.	[14] of as your experience and training as a
51 BY MR. LINTON:	[15] neurosurgeon before you reviewed this case;
6] Q: Take as much time as you need. I	[16] isn't that right?
7] don't need to try to trip you up or misconstrue	MR. TORGERSON: Objection. But go ahead.
al what you're saying. I want to understand what	[18] BY THE WITNESS:
9) your working definition of a full syndrome is.	[19] A: Yes, if you look for them, you could
A full syndrome would include pain,	[20] find a couple of articles on that. Now, weather
1) numbress in the legs, weakness of the legs,	[21] that's,I mean, everyone's general fund of
²² bowel and bladder disfunction, and possibly	[22] knowledge, you know, I can't say that. But I
23] straight leg raise?	[23] was able to find in my literature searches a
A: Yes, and the pain would be expected to	[24] couple of articles relating cauda equina
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Ст <u>а с с поста с с с с с с с с с с с с с с с с с с </u>	i i i i i i i i i i i i i i i i i i i
 has been reported and it does make sense to me if the disk is being manipulated in some way. 	Page 23 [1] improperly to cause it, that is true. [2] BY MR. LINTON: [3] Q: Now, is it your belief that there was [4] partial herniation that then led to a more [5] complete herniation between the time of the [6] manipulation and the time of Bonnie Pikkel's [7] second presentation to the ER? [8] A: Could you read that back. I lost it. [9] BY MR. LINTON: [10] Q: Let me rephrase it, sure. Maybe I [11] should ask it this way. [12] MR. RUFF: Bob, I'm going to hang up. I [13] can' thear. This is not useful to me to listen [14] in. [15] (WHEREUPON, discussion was had [16] off the record.) [17] BY MR. LINTON: [18] Q: You believe, Doctor, that there was [19] fist interference with bladder.function and [20] then at a later point in time the numbness with [21] interference with bowel function? [22] A: Right. [23] Q: Did I say that correctly? [24] A: Yes, there was interference with
 [11] from manipulation does not mean that the [12] manipulation was done improperly? [13] MR. RUFF: Objection. [14] BY MR. LINTON [15] Q: Is that true? [16] MR. TORGERSON: Objection. [17] BY THE WITNESS: [18] A: I thirk that's true. I can agree with [19] that. I'm not necessarily saying correct, that [20] a manipulation was done improperly. People have [21] back pain all the time, and they get [22] manipulated, and I couldn't say that [23] their — again, I'm not a chiropractor, but I 	 Page 24 [1] bladder function and at a later time there was [2] inference with bowel function. There was some [3] temporary numbness that cleared up and then [4] numbness returned at or right before the time [5] she went back into the emergency room the second [6] time. [7] Q: You're basing that conclusion on the [9] medical records, specifically the ER records? [9] A: Yes, but I also have read depositions [10] so. [11] Q: Let me ask it this way. [12] A: But primarily I'm basing it on the [13] medical records, that is correct. [14] I'm just going to try to talk into [15] phone. [16] Q: Specifically the fact that the second [17] ER record noted there was a problem with bowel [18] function and the first ER record noted that [19] there was numbness which has since resolved, [20] correct? [21] A: Yes, that's part of it; yes, sir. [22] Q: What else can you point to in the [23] materials that you've reviewed that support your [24] view that those were new symptoms that arose

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MARK ZANNETTI, D.C., ETAL Page 25 [1] between the first ER and the second ER visit? [2] A: In term of the bowel function? [3] Q: Bowel and numbness, yes. [4] A: Just the records that I reviewed, the [5] medical records, and the account of the history [6] and the findings in the two differentER visits. [7] Q: Does it matter in terms of your [8] opinions on causation whether those were [9] problems that developed immediately after the [10] manipulation or whether those were new problems [11] that developed between the first visit and the [12] second visit to the ER? [13] A: To a certain extent, yes, it would [14] matter. [15] Q: How would it matter?	Page 27 [1] terms of causation; and that is, would there [2] have been an increased likelihood of successful [3] surgery if the symptoms all occurred immediately [4] at the time of manipulation versus some of those [5] symptoms occurring between, in your opinion, the [6] fist visit and the second visit? [7] MR.TORGERSON: Objection.But go ahead. [8] BYTHE WITNESS: [9] A: Now I think I understand your question [10] a little better. I would say that right after [11] the manipulation if Ms. Pikkel had developed a [12] more characteristic cauda equina syndrome, if [13] that had happened, it might have made a [14] difference because — well, I won't say [15] because.I'll wait for you to ask me.
 [15] Q: How would it matter? [16] A: If the problem started with the [17] manipulation — and I'll try to get out my [18] opinions here more than are on this little [19] report. The problems starting with the [20] manipulation, for instance the bladder. [21] By the time she came into the [22] emergency room and could have gotten into [23] surgery, it was basically too late. The damage [24] Po the delicate nerves going to the bladder had 	 BY MR. LINTOM: G: Why is that so? A: If she presented to the emergency room the first time with a full cauda equina syndrome, I have every reason to believe that would have been picked up like it was when she came back in the second time. It wouldn't have been as difficult to diagnose at that point. I think the surgeon would have been called in
 Page 26 [1] already occurred. Even if surgical [2] decompression had been done earlier, it's my [3] opinion that she would have had a very high [4] chance of permanent or long-term damage. [5] Numbness, take the issue of numbness, [6] that actually is similar. I think that when you [7] have a disk compressing nerver row ts in the cauda [8] equina region, once you get bladder difficulty [9] and numbness as a surgeon you should certainly [10] not guarantee your patient or even lead them to [11] believe that you're probably going to be able to [12] reverse that. They're very delicate nerves; [13] permanent damage is very likely. [14] But by the same token, the doctors [15] really did not have a cauda equina syndrome. [16] They never had a fill cauda equina syndrome. [17] presenting to them. They had a partial cauda [18] equina closely when she came into the emergenc [20] room the second time, and she definitely had [21] bowel findings at that time. So her picture was [22] that of a progressive one. [23] Q: Let me get back to the question I [24] asked previously and that is, does it matter in 	Page 28 [1] earlier. [2] <i>Q</i> : Assuming that the surgeon is called in [3] during the f ist visit and further assuming that [4] her symptoms existed at tl e time of the first [5] visit, that is perineal numbness, interference [6] with bowel function, interference with bladder [7] function, there would have been a higher chance [8] of a successful surgery than if it was done the [9] second time — wait, let me back up. [10] MR.TORGERSON: Let me interpose an [11] objection. But go ahead. [12] BY MR. LINTON: [13] Q: Let me back up to make sure we're not [14] mixing apples and oranges here. I want to talk [15] about two points in time for surgery; Number 1, [16] after the first visit, and Number 2, after the [17] second visit. [18] A: Okay. [19] Q: Now, under your scenario in which this [20] was a partial syndrome because the bowel [21] disfunction and the numbness did not begin unt [22] the second presentation, you're saying there was [23] a high chance that there would be no difference [24] with the surgery; is that in essence your
etter og og og Stør Stør Linger og som en stør at som en Linger og som en som en som en som en Linger og som en som en Linger og som en som	
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Page 29 [1] opinion? [2] MR.TORGERSON: I'mgoing to object, and I'm [3] going to ask that you read the question back so [4] I can hear it again. [5] MR. LINTON: Withdrawn. [6] BY MR. LINTON: [7] Q: Doctor, have you testified in other [8] cauda equina syndrome cases? [9] A: Yes. [10] Q: How many other cases? [11] A: One that I recall. [12] Q: Did you do that for the patient or for [13] the doctor or hospital? [14] A That was for a doctor. [15] Q: What was the issue in that case? [16] A: The issue — again, this was a few [17] years ago so I have to apologize.I don't [19] was — [20] MR.TORGERSQN: Let me just interpose an [21] objection.But go ahead. [22] BY THE WITNESS: [23] A: It was something to the effect that an [24] epidural injection or epidural catheter had	Page 31 [1] it in my records. [2] Q : What record would you look to? [3] A : What I do is I look back through my [4] tax records for the billing.I think it was in [5] Wheaton County or in Wheaton, Illinois. You'd [9] think I'd know the attorney's name or the [7] patient's name, but I just don't.I'd have to [8] go through my tax records and find a bill. [9] Q : Would you go in and do that and [10] provide a copy to Mr. Torgerson? [11] MR. TORGERSON: Note an objection. But go [12] ahead, Doctor. [13] BY MR. LINTON: [14] Q: I'll be happy to pay your professional [15] time, you or your staff. [16] A: I have a lot of tax records. If [17] Mr. Torgerson says I should do that, I will do [18] that. [19] Q: When was that case approximately? [20] A: Again, I think it was about — it was [21] probably about three years ago, could have been [22] as long as five years ago. [23] Q: Did you give trial testimony in that [24] case?
Page 30 (1) caused a cauda equina syndrome and that that (2) should have been recognized earlier. (3) BY MR. LINTON: (4) Q: Was there likewise an issue in that (5) case if it had been recognized earlier that (6) there could have been surgical intervention that (7) would or would not have made a difference? (8) MR. TORGERSON: Objection to the foundation (9) of the question. Go ahead. (10) BY THE WITNESS: (11) A: Well, it was a complicated case but (12) that was probably part of that, They thought (13) that there should have been earlier surgical (14) intervention, yes. That was the hypothesis that (15) BY MR. LINTON: (16) BY MR. LINTON: (17) Q: In that case you had both an issue as (18) to standard of care as well as causation?	Page 32 [1] A: Yes. [2] Q: Did that result in a verdict? [3] A: Yes. [4] Q: Was the verdict in favor of the [5] doctor? [6] A: Yes. [7] Q: What was the time involved in that [8] case in term of the alleged delay? [9] A: I don't recall. [10] Q: Do you recall if it was 24 hows or 48 [11] hours? [12] A: Don't recall. [13] Q: When was the last time that you [14] personally treated a patient surgically with [15] Cauda equina syndrome? [16] A: I've treated two this year. [17] Q: Surgically? [18] A: Yes.

[19]

[21]

[18] to standard of care as well as causation? MR. TORGERSON: Objection. [19] [20] BY THE WITNESS: A: I would say so. [21] [22] BY MR. LINTON: **Q:** Would hired you in that case? [23]

A: I don'trecall. I could probably find [24]

Q: How long after onset of symptoms did

A: One was several days so it would be in the subacute or chronic category, and one was

[23] after several months. You know what, I don't

[24] think I did a surgery on that one. I had a

vou perform the surgery?

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Page 33 [1] patient with cauda equina syndrome that was so [2] severe and so long-standing and she had such [3] medical risks, I don't think I did a surgery. [4] Q: The one with several months? [5] A: Yes. But those are the two patients [6] that come to mind this year. [7] Q: Are vou far enough out to see if [8] there's been any improvement in bowel or bladder [9] there's been any improvement in bowel or bladder	Page 3: [1] BY THE WITNESS: [2] A: You know for bowel and bladder; I [3] don't use the word probable. If I used that in [4] my answer, I shouldn't have. I hope that they [5] would get better, but I'm very [6] BY MR. LINTON: [7] Q: Let me just stop you. [8] A: It's not — [9] Q: We're on two different waive lengths [10] here. I understand that you're not talking [11] about a probability of recovery from the [12] surgery, [13] What I'm actually talking about if [14] there is improvement, you would expect that [15] improvement to probably occur within one year, [16] and there is still a chance of possible [17] improvement thereafter? [18] MR. TORGERSON: Objection. But go ahead. [19] BY THE WITNESS: [20] A: I think that would be a fair [21] characterization, yes. [22] BY MR. LINTON: [23] Q: You would not tell the patient that if [24] they had not recovered within one year that
Page 34	
 (1) matter of fact, but we can't guarantee (2) recovery. In other words, recovery — and let (3) me clarify, I'm sorry. (4) Do we want me to focus on bowel and (5) bladder? Focusing on bowel and bladder I tell (6) them there may be some recovery. I hope there (7) is some recovery. I would think it would be (8) more likely that the recovery would take place (9) within a year or less, but I think it Would be (10) possible for a recovery to occur over a longer (11) period. (12) I also tell them that it may be (13) possible that despite intervention and even (14) rapid intervention they may continue to have (15) that permanent problem with their bowel and (16) their bladder. So I think that answers it. (17) Q: If I understand you correctly then, (18) you tell them that there would be probable (19) improvement within one year and possible (20) improvement thereafter, am I understanding you (21) correctly.? (22) MR.TORGERSON: Note the objection. I think (23) he testified to what he said, and I would let (24) the record stand. 	 11 there would be probable improvement thereafter? MR. TORGERSON: Objection. BY THE WITNESS: A: Correct. BY MR. LINTON: G: What is the longest from surgery that you have seen improvement of bowel or bladder function in a case of acute cauda equina syndrome? A: Well, I'd have to say that after a year or two I'm usually not following the patient because the patient is usually being followed in a rehabilitation facility as an outpatient or by a urologist or a neurologist. So me as the neurosurgeon several years out, I'm probably not continuing to see the patient. So I don't know if that plays into your question. You may want to ask it again. I'm not sure that I answered it. I'm usually not telling people at one year or later as a neurosurgeon. What I'm telling them in their more — in their period that is closer to the ot surgery what I'm telling them is based ot he literature, based on wt at I've been told,

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 Page 37 [1] you know, by urologists and so forth. But their [2] care at that time is usually not by me as the [3] neurosurgeon. [4] Q: Can you say how long after surgery [5] there can be bowel or bladder improvement based [6] on any specific literature? [7] A: I couldn't give a specific time frame, [8] no. [9] Q: Is it fair to say that at this point. [10] in time with Bonnie Pikkel being this long after [11] surgery that she's probably as good as she's [12] going to get in terms of bowel and bladder [13] function? [14] MR.TORGERSON: Objection. [15] BY THE WITNESS: [16] A: Well, I couldn't say. That's why to [17] clarify in the letter I put in the last sentence [18] of the first paragraph, as you know a more [19] current report from a urologist as not been [20] received. [21] So to answer that question as [22] precisely as possible, I thirk that if we needed [23] or wanted or be desirable to assess her bowel [24] and bladder function by a urologist or someone 	Page 39 [1] A: It was so I didn't mean to say that [2] patient had acute cauda equina syndrome. He [3] Was subacute to chronic area. [4] Q: Is there any difference in likelihood [5] of successful surgery if it is a subacute case [6] as opposed to an acute case of cauda equina [7] syndrome? [8] A: Well, that depends on what you mean by [9] successful. I think, for instance, in that [10] person or if someone has a subacute cauda equina [11] syndrome you weigh the risks and the benefits, [12] but in general it's worth doing the surgery. [13] But if you're talking about successful [14] meaning absolutely normal in terms of normal [15] strength, normal sensation, normal bowel [16] function, normal bladder function, I think that [17] would be very, very — I wouldn't say very, very [18] m e; but I <i>thirk</i> it could happen, but it would [19] not usually be the case. [20] Q: Let me see if I could phrase it [21] differently, You've answered the question. [22] Do you keep records on the number of [23] procedures you do and the type of procedures [24] you've done?
Page 38 [1] who is trained to do that. I thirk as a general [2] principle the longer the time is without [3] recovery, the less likely it is to get it, but [4] I'm not ruling out the possibility. It could [5] happen. [6] BY MR. LINTON: [7] Q: You certainly can't say with [8] reasonable medical certainty that it will happen [9] in Bonnie Pikkel's case, can you? [10] MR. TORGERSON: Objection. [11] BY THE WITNESS: [12] A: Just let me see if I understand the [13] question, as far as where she's at today with [14] her bowel and bladder function, I would not say [15] that in a year from now, say the year 2002 or [16] something, that she would be better than the way [17] she is 2001, that is correct. I'm just not real [18] sure where she is at currently as I've answered [19] before. [20] RY MR I INTON: [21] Q: I understand. The patient with acute [22] cauda equina syndrome you treated this year, you [24] recall if it was beyond 48 hours?	Page 40 [1] A: No, the records go into the hospital [2] files. [3] Q: There would be no way now to go back [4] to your office and reconstruct how many acute [5] cauda equina syndrome cases you've handled, [6] would there? [7] A: Correct. [8] Q: When was the last cauda equina [9] syndrome case you handled before this year? [10] A: Well, I'd say in a general way either [11] myself or someone in our group or in past groups [12] sees one every year or two. It's fairly rare. [13] It's maybe one or two percent of lumbar disk [14] herniation, something in that range. [15] Q: You're speaking now of acute cauda [16] equina syndrome? [17] A: Yes. [18] Q: Can you recall as you sit here the [19] last case of acute cauda equina syndrome you [20] personally handled? [21] A: I think there was one due to an [22] lumbar disk case; but otherwise, no. [24] Q: Would you be able to say with any

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 [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [14] [15] [16] [17] [18] [19] [20] [21] [22] [23] 	degree of probability the number of cases that you personally have done surgery on for acute cauda equina syndrome? MR. TORGERSON: Objection. BY THE WITNESS: A: Certainly less than ten, maybe — probably closer to five.Again, they're pretty rare. BY MR. LINTON: Q: Can you recall as you sit here the circumstance of any specific acute cauda equina syndrome case you've handled? A: No. Q: If you were called in like Dr. Bell was, would you have recommended surgery on this patient? A: Yes. Q: Do you have any criticisms of Dr. Bell in terms of the procedure he performed or the way he performed it? A: In reviewing the operative report, I thought it was unusual that he used the laser. I think that was an option. I don't think most people are using the laser at this point. I	[3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17]	Q: You likewise can't say with a reasonable degree of medical probability that the dural tear, in fact, caused the bowel or bladder problems in this patient, can you? MR. TORGERSON: Objection BY THE WITNESS: A: That is correct. BY MR. LINTON: Q: Can you say that if you had performed the surgery you would not have caused a dural tear as well? MR. TORGERSON: Objection. BY THE WITNESS: A: I'd say probably not, but 100 percent, I couldn't say that. BY MR. LINTON: Q: Do you understand in a case like this with a herniation that is that close to the dura that that is a normal risk and complication of the procedure? MR. TORGERSON: Objection, BY MR. LINTON: Q: Correct?
[2] [3] [4] [5] [6] [7] [8] [10] [11] [12] [13] [14] [15] [16] [17] [19]	Page 42 wouldn't call that a criticism. It was just something I noted reading his operative report. I also noted that he had the dural tear. Again, that is certainly something that could happen in this kind of a surgery. It could also have caused a nerve root injury. I'm not saying that it did. I'm saying it's possible. If the dural tear was made by the laser, it could have caused a nerve root injury. I just don't know. I'm not going to be critical of him in saying that that was negligent, but these are things I noted and I think you want to know in this discovery deposition. Q: I appreciate that. Let me just make sure that I'm hearing you correctly. You're not suggesting that Dr. Bell committed malpractice, was negligent, or failed in the standard of care, are you? MR. TORGERSON: Objection,	[6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19]	A: Yes. BY MR. LINTON: Q: Aside from not using a laser, would you have performed the same type of surgery? A: Yes. Q: At what point — strike that. How long after onset would you say — strike that. At what point in time from the surgery would you no longer — at what point in time after the onset of cauda equina would you no longer recommend surgery because the chance of recovery or improvement would be too slight to justify the surgery? A: I can't give you an exact time frame, but the patient I had referred to had had it for years. So certainly after several years I think the chance of neurologic recovery from a cauda equina syndrome is low.
[22]	BY MR. LINTON:		say that there's a definite time frame such as

[23]

[24]

Q: Is that correct?

A: That is correct.

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[1] whole area has been controversial in the	[1] was in your file, your cauda equina syndrome
[2] literature in terms of cauda equina syndrome	[2] file?
[3] So I wouldn't give you a specific time frame for	[3] A: Correct.
[4] nonintervening.	[4] Q: That was the file that you kept not
[5] Q: One could still recommend surgery even	5 solely for this case but for your general
[6] weeks or months after the onset of cauda equina	[6] medical knowledge?
77 syndrome?	[7] A: Correct. (Automotive States and State
[8] A: It would depend on the patient but	[8] Q : Do you consider that article to be a second second
in that might happen, yes.	^[9] reliable authority in your field?
[10] Q: Again, from your own knowledge base	[10] A: No, I think it's part of a literature
[11] you can't say how long after onset of cauda	[11] on a controversial topic.
[12] equina you've performed surgery?	[12] Q: In your opinion is there any reliable
[13] MR. TORGERSON: I'm going to object.	[13] medical authority on this topic?
41 BY THE WITNESS:	[14] MR. TORGERSON: I'm going to object. I
[15] A: I've certainly done it a few weeks	[15] think the question is a little flaccid by what
(16) after the onset. Now whether it's — exactly	[16] you mean by reliable.
117 how many weeks, I just don't recall.	[17] But if you can answer, go ahead.
[18] BY MR. LINTON:	[18] MR. LINTON: I haven't heard a flaceid
[19] Q: I assume you have not published	In objection before. I'll add that to my
[20] yourself on cauda equina syndrome?	[20] repertoire.
[21] A: I have not.	[21] MR. TORGERSON: That's a thin objection to a
[22] Q: Have you done any reliable research on	1 [22] flaccid question, loose I meant.
[23] the subject?	[23] BY THE WITNESS:
[24] MR. TORGERSON: What was that modifier, what	[24] A: I don't think there is a reliable
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[1] kind?		[1] literature or a paper or a collection of papers
[2] MR. LINTON: Reliable research.		[2] that gives us the definitive answer for cauda
^[3] MR. TORGERSON: Has he done any reliable		ig equina syndrome. I think that most of the
[4] research?		[4] studies , if not all of them, are done
[5] MR. LINTON: On cauda equina syndrome.		[5] retrospectively.
[6] MR. TORGERSON: Note an objection.		[6] I think that this is a controversial
[7] BY THE WITNESS: Second State		[7] area. I think different papers and different
[8] A: Yes, I've researched it. I've		[8] people have come up with different conclusions.
^[9] researched it for the my patients, and I've		[9] I think that sometimes the conclusions are
[10] researched it in conjunction with this case and	53	[10] trying to be forced. I think that time frames
[11] the previous case I mentioned.		[11] such as 24 hours, 48 hours are basically
[12] BY MR. LINTON:		[12] artificial. So it's a long answer to tell you
[13] Q: Badquestion. I don't mean did you		[13] that I don't think there is an authoritative or
[14] search the literature. Have you yourself done a		[14] reliable paper on cauda equina syndrome.
[15] research project into outcomes as it relates to		[15] And of course, as I pointed out many
[16] cauda equina syndrome?		[16] times, this lady did not have the fullblown
[17] A No.		[17] cauda equina syndrome that even — or that is
[18] Q: Has anybody in your practice group?		[18] even covered in these kind of papers, so no.
[19] A: No.		[19] BY MR. LINTON:
[20] Q: Do you personally know Dr. Shapiro?	· · ·]	[20] Q: If I can just summarize in a short
[21] A: Not personally.	• 1	[21] fashion here, you just told us in your judgment
[22] Q: Do you know of him?		[22] there's no reliable or authoritative article or
[23] A: Yes.		[23] publication in the area of cauda equina
[24] Q: In fact, one of his articles you say		[24] syndrome, correct?

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Page 5
(1) BY MR. LINTON:
[2] Q: Well, have you found any specific
article that supports your opinions in this
[4] case?
[5] MR. TORGERSON: Objection. That's the
second, possibly third time you've asked that.
7 But go ahead.
BY THE WITNESS:
[9] A: I would say the literature in general
of taken together supports it.
BY MR. LINTON:
2 Q: Is there a specific article, though,
ing that you can refer me to that supports your
14] opinion in this case?
MR. TORGERSON: Objection; asked and
ig answered.
A: I could find articles, yes, to support
BY MR. LINTON:
Q: But you can't tell me as sit here what
2] articles support that?
MR. TORGERSON: Objection.
BY THE WITNESS:
 Page 5
A: Not by specific author's name, no,
[2] sir.
BY MR. LINTON:
[4] Q: Can you refer to a specific journal or
5 specific year or a specific institution or any
[6] way in which you can identify as we sit here
[7] today an article or articles that support your
B opinions?
MR. TORGERSON: Objection.
or BYTHE WITNESS:
 The second s Second second se Second second s
1] A: I could if I needed to, but I don't 2] have any article here with me today.
5] I'm asking you can't refer me to a specific
ej article or tell me there's a study out of this
71 institution or check this particular journal as
⁸] we sit here today, correct?
9] MR. TORGERSON: Objection.
oj BY MR. LINTON:
1] Q: Is that correct?
2] MR. TORGERSON: Asked and answered.
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a) BY THE WITNESS:
^{3]} BY THE WITNESS: ^{4]} A: What I would refer you to do is do a

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pril 25, 2001	MARK ZANNETTI, D.C., ET AI
Page 53	Page 55
search like I have done and look at all these	[1] that supported my opinions about this case. By
articles and think about specific questions that	[2] answering it in this way, I in no way mean to
need to be answered. So yes, I would refer you	imply that these with would be the only articles
to do a search of the literature, absolutely.	[4] supporting my position.
BY MR. LINTON	For instance in Defendant's Exhibit G,
Q : I understand that a generic search.	(6) the first article at the end of Dr. Bell's
I'm talking about a specific article that you	[7] deposition, it's written by Dr. A-h-n of
can say as you sit here that supports your	[8] Baltimore. It says, quote, Timing of Surgical
position, and you don'thave one, correct?	Decompression for Cauda Equina Syndrome
MR.TORGERSON: Objection; asked and	10] Secondary to Lumbar Disk Herniation is
answered.	111 Controversial. That supports my position.
BY THE WITNESS:	12] Let's just skim through these articles
A: I'msorry, could you read that back.	13] here. There's an article Defendant's Exhibit H,
(WHEREUPON, the record was	14] Cauda Equina Syndrome Due to Sequestrated Disk
read by the reporter.)	15] Herniation After Chiropractic Manipulation by
BY THE WITNESS:	16] Markowitz and Dolshoy (phonetic) that supports
A: I don't have any specific articles	17] what I said about the fact that it can occur
here in this room today other than the articles	18] after a chiropractic manipulation.
that are already attached to the depositions.	19) We come to Dr. Shapiro's article which
BY MR. LINTON:	²⁰] was written in 1993 and published in
Q : You're not suggesting that one of	21] neurosurgery. Let me put on my glasses. He has 22] a little table here. Again, I've given a lot of
those specific articles supports your position	21 a mule table here, Agam, 1 ve given a lot of
in this appa analysis?	
	²³ different opinions. I'm just picking out a ²⁴ couple of things. It's kind of a broad
in this case, are you? A: It may.	3 different opinions. I'm just picking out a
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HERBERT H. ENGELHARD, M.D. April 25, 200:

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MARK ZANNEI II, D.C., EI AL	April 23, 200
Page 57	Page 59
 [19] the end of the abstract it says, quote, there [19] was no correlation of these times with return of [20] function. [21] So you know, definitely there are lots [22] of articles in the literature that support the [23] various positions and opinions I have in this [24] case. 	 [18] MRI scan or sometimes the CT myelogram, if you [19] have a cauda equina syndrome, as soon as the [20] patient is medically ready I think it would be [21] wise as Dr. Bell did in this case to go ahead [22] and do the decompression. [23] Q: Now, if you were the patient — strike [24] that.

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[1] BY MR. LINTON:	(i) If a patient presented to you with a
[2] Q: Are you through with your answer?	[2] 26-hour history of being unable to void
[3] A: Well, again, by answering with those,	[3] following chiropractic manipulation with
[4] I don't mean to imply that those are the only	[4] perineal numbress that may or may not have
[5] articles that would support my position. But	[5] resolved, would you not have made the diagnosis
[6] I'll stop there, yes.	[6] or at least included in your differential the
[7] Q: Does the literature not generally	[7] diagnosis of cauda equina syndrome?
[8] suggest that the earlier the intervention the	[8] MR. TORGERSON: I'm assuming that's a
[9] better?	191 hypothetical. I'm going to object. Those are
[10] MR. TORGERSON: Objection. You may answer.	not the facts in this case.
[11] BY THE WITNESS:	[11] BY THE WITNESS:
[12] A: I would say so. and the state of the	[12] A: I think I understand the question. Of
BY MR. LINTON:	[13] course I'm a neurosurgeon. I'm going to look at
[14] Q: And that the longer one waits to do	[14] it from the view of the neurosurgeon. Usually
[15] surgery, in general the worse the outcome?	[15] as neurosurgeon I'm already going to have the
[16] MR.TORGERSON: Objection.	[16] MRI scan done.
[17] BY THE WITNESS:	[17] I started my answer, but I lost the
[18] A: I think it's an individual matter. It	[18] rest of your question. Could you either repeat
[19] depends on the individual patient, what they've	[19] it.
[20] got, what's causing the cauda equina syndrome.	1201 BY MR. LINTON: -
[21] So while the literature may generally have a	Q: Let me rephrase it so we're clear.
[22] suggestion of the timing, you could never use	[22] You're familiar with the emergency room record
[23] that as a neurosurgeon as far as what to tell an	[23] from the first visit?
[24] individual patient.	[24] A: I am.

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HENDEKI a. ENGELHARD, M.D. April 25, 2001

BONNIE PIKKEL, ET AL, v. MARK ZANNETTI, D.C., ET AL

Page 61	Page 6.
[1] Q: You're familiar with the history that	[1] could be a problem or that are appropriate. If
[2] was presented by Bonnie to the emergency room?	12] someone has — well, I'll just stop there. The
[3] A: I am. March Manager and Andrew March 1990 And 1990 And 1990	^[3] bottom line is that you do a neurological
[4] Q : Based on that history would you have	[4] examination depending on the individual patient.
5 suspected cauda equina syndrome?	Q: Assuming that the patient presented to COMPACE
[6] A: I would not have.	[6] you with a 26-hour history of not being able to
[7] Q: You would not have suspected cauda	[7] void after chiropractic manipulation and had
[8] equina syndrome or disk herniation with a	[8] perineal numbress that may or may not have
[9] 26-hour history of being unable to void with	[9] resolved, what would have been on your
of perineal numbress that may or may not have	[10] differential diagnosis?
11) resolved following chiropractic manipulation?	[11] MR. TORGERSON: Interpose an objection.
12] A: Let's clarify that. It's not a matter	12] I'm assuming this is a hypothetical: as a domain of the
19] of suspecting cauda equina syndrome or not.	[13] BY THE WITNESS:
14 When she came in that day to the emergency room	
if the first time, she did not have cauda equina	
	[15] clarify this. You're adding numbress that may
	[16] or may not have resolved with urinary
17 Q: Would you —	[17] retention?
A: So it's not a matter of suspecting it	[18] BY MR. LINTON:
19] or not.	[19] Q: Following chiropractic manipulation.
Q: The reason for that is because of how	[20] A: And the question what would I have had
211 you defiie cauda equina syndrome?	[21] in my differential. Well, I think you'd have a
22) A: No, not the way that I've defined it.	[22] large differential. I think that the primary
231 The way that it's been defined in the	1231 problem in that kind of a patient is going to be
24 literature. When she came into the emergency	24] the urinary retention. You're going to want to
n an an an an an an an an an ann an ann an a	n an an Antoine An Air Ceannan agus an Ceannan 19 Me Anna an Anna Anna Anna Anna Anna 19 Me Anna Anna Anna Anna Anna Anna Anna
n an	, San Argenesia na gEngelar panton Argenesia na genesia Argenesia na genesia
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HERBERT H. ENGELHARD, M.D April 25, 200

MARK ZANNEI II, D.C., EI AL	April 25, 200:
Page 65	Page 67
[1] Since I know in general that you started but	(1) A: Yes.
[2] it's changed as to resolved perineal hypesthesia	[2] Q: And how to test for sensation in the
3 or continued. I just want to - I would ask you	[3] perineal area?
[4] to clarify what you're asking in that question.	[4] A: Correct.
BY MR. LINTON:	[5] Q: So an emergency room doctor would have
[6] Q: I'm asking, Doctor, if this patient	[6] received that training as any doctor when they
[7] presented to you during her first visit to the	[7] went to medical school, correct?
[8] ER, you would have done a neurological	[a] A: Yes. A state of the second state of the
(9) examination, correct?	(9) Q: That training to be further reinforced
[10] MR. TORGERSQN: Which patient are we talking	[10] during their residency, correct?
[11] about?	[11] MR. TORGERSON: Objection.
[12] MR. LINTON: Bonnie Pikkel, the only patient	[12] BY THE WITNESS:
[13] that we're talking about in this case.	[13] A: Yes.
[14] MR. TORGERSON: As reflected in the 9-4-96	[14] BY MR. LINTON:
[15] ER review.	[15] Q: Is there any way to reliably rule out
[16] MR. LINTON: That's correct,	[16] perineal numbress without doing an examination
[17] BY MR. LINTON:	(17) of the perineal area?
[18] Q : You would have done a neurologic ^{al}	[18] MR. TORGERSON: Objection.
[19] examination, correct? [20] A: I'm a neurosurgeon. I already	[19]
[20] A: I'm a neurosurgeon. I already [21] answered that, what] do is a neurologic	[20] A: Well, practically speaking I think
[21] answered that, what I do is a neurologic [22] examination. If a patient just came in with	[21] that the first thing to go on is what the
[23] urinary retention, I would say, look, I'm'a	[22] patient tells you. If the patient says that,[23] I'm having numbress, then you may need to
[24] neurosurgeon. Go to the emergency room doctor,	[24] examine that and pursue it. If they say, I'm
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and the second secon	
$\lambda_{\rm eff} = \frac{1}{2} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^$	and the second state of th
	and the second
Page 66	Page 68
(i) go to urologist. It wouldn't be appropriate for	[1] fine down there, I had some but now it's gone or
[2] me to come in and start poking that woman's	2] resolved, then I probably would not have
[9] perineal, no.	[3] examined it because numbress in itself is
[4] Q: Would you expect that an emergency [5] room doctor was qualified to diagnosis cauda	[4] subjective. You're relying on what the patient
[6] equina or a problem with a disk herniation to be	[5] tells you. [6] Actually the patient can — and
^[6] equilator a proper examination, correct?	[6] Actually, the patient can — and [7] sometimes it's more advisable. The patient can
MR. TORGERSON: I'll note an objection.	(i) sometimes it's more advisable, the patient can (ii) feel that particular area and give you
BY MR. LINTON:	information as to whether or not it's numb. I
[10] Q: Don't you have to rely on emergency	10 don't think — this may be anticipating a
[11] room doctors to do that?	[11] question — in someone with urinary retention
[12] MR. TORGERSON: Objection.	[12] you should poke someone with a pin. I think
[13] BY THE WITNESS:	[13] it's an individual decision that is made. You
[14] A: I'm going to try to answer now. In	[14] may have nothing to gain by poking someone if
[15] other words, in someone who has urinary	[15] they're telling you that I can feel there now.
[16] retention would I rely on the emergency room	[16] Q: Why would you ever do a pinprick
[17] doctor to do the appropriate examination, I	[17] sensation then? Why not just rely on what the
[18] would say, yes.	[18] patient tells you all the time?
[19] BY MR. LINTON:	[19] A: Well, one reason is because the
[20] Q: In fact, aren't doctors trained in	[20] patient may not know the distribution of the
[21] medical school how to do physical examinations?	[21] dermatomes. For instance, actually it's less
[22] A: Yes.	[22] important now when we get an MRI that will
[23] Q: They're trained in medical school how	[23] include that whole area. But in the past you
[24] to test, for example, for rectal tone?	[24] wanted to identify which dermatomes were
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April 25, 2001

BONNIE PIKKEL, ET AL, v. MARK ZANNETTI, D.C., ET AL

 involved with the numbness or in the pain or the weakness because that was what you used to localize the lesion that was causing the nerve root problem. So in this day of MRI, it's actually less important to do such a detailed exam. Q: Why is it important to check for rectal tone in a patient who has an inability to void 26 hours after chiropractic manipulation? A: Would be looking for cause. In other words, you're asking me a general question I. thirk. In a person that has an inability to void if the rectal tone is being checked by a doctor, that doctor is trying to find out if the nerves going to the rectum are also being affected. That would help discriminate between, say, a mechanical bladder problem and something else. Q: You would you agree that a change in bowel or bladder function or incontinence suggests cauda equina syndrome? MR. TORGERSON: Objection. If the rectal come is sugpected? If the rectal exam or incontinence suggests cauda equina syndrome? MR. TORGERSON: Objection. If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam or incontinence suggests cauda equina syndrome? If the rectal exam end to the reture equina syndrome?
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BY THE WITNESS: MR. TORGERSON: Objection.
A: Urinary retention or fecal 24] BY THE WITNESS: A second
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HERBERT H. ENGELHARD, M.D April 25, 2001

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[1] retention in a woman.	[1] due to the disk herniation, correct?
[2] Q: We know that she had cauda equina.	[2] A: At a later time, yes:
[3] She had a disk herniation at L5-S1, correct?	[3] Q: You said at a later time, doesn't the
[4] MR. TORGERSON: Objection. I think there	[4] record state that she had been unable to have a
5 are two questions in there, and I'm not sure	[5] BM for two days?
[6] what we know.	[6] MR. TORGERSON: Objection, point in time.
BY MR. LINTON:	BÝ MR. LÍNTON:
[8] Q: Doctor, Bonnie Pikkel, in fact, had a	[9] Q: The second ER record.
(9) disk herniation at L5-S1, did she not?	[9] A: That's different than incontinence.
[10] A: She did.	in Inability to have one is different than loss of
[11] Q: In fact, you believe that was caused	In control of holding it in.
[12] by chiropractic manipulation, correct?	12] Q: Do you have the second ER record
[13] MR. TORGERSON: Objection.	iaj handy?
[14] BY THE WITNESS: A state of the second s	14] A: Sure. Do you want me to just show you
[15] A: That's what started it	is this?
[16] BY MR. LINTON:	16] Q: Let me ask this, based on the record
[17] Q: That was what, in fact, was causing	17] from the second ER visit, what was
[18] her inability to void for 26 hours when she	18] Bonnie's — the status of Bonnie's bowel control
[19] presented to the ER for the first time, wasn't	ing based on this record?
[20] it?	A: So I'm reading from 9-5-96, it's the
[21] A: Yes.	21] ER record on Bonnie Pikkel. The nurse says, in
[22] MR. TORGERSON: Objection.	22] emergency department for urinary retention, et
[23] BY MR. LINTON:	23] cetera. It says, urge to have BM. Is that what
[24] Q: That, in fact, was what was causing	24] you're asking about?
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Page 74	Page 76
(1) her perineal numbriess? (1) and a status of the status	
IT TATATA AND AND AND AND AND AND AND AND AND AN	I III Q: Correct If also reports she was
	[1] Q: Correct. It also reports she was [2] unable to have a BM for the past two days.
(2) MR. TORGERSON: Objection, States and Sta	2 unable to have a BM for the past two days,
[3] BY MR. LINTON: A State State	 [2] unable to have a BM for the past two days, [3] doesn't it, in the physician's history? [4] A: Yes, without bowel movement for two
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DERDERT H. ENGELHARD, M.D. April 25, 2001

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Page 77 She was unable to have a BM for two days, that was reported during her second visit to the ER, right? MR. TORGERSON: Objection. BY THE WITNESS: A: That it true. That's what she reported. BY MR. LINTON: Q: Likewise on physical exam there was no rectal tone? A: Correct. Q: The first ER visit says nothing one way or the other about rectal tone, does it? A: Could I go back and look at that? Q: Sure. A: True. Q: Now, isn't it more likely based on the precord that, in fact, the problem with the bowel precord that, in fact, the problem with the bowel Q: goes back to before the first visit to the ER? MR. TORGERSON: Objection. Q: Let me rephrase it this way, bad question. Assuming that what is reported here is accurate, that is that there was a two-day	Page [1] MR. TORGERSON: It sounds to me like you're [2] arguing with the witness, but you did put a [3] right in there. In any event, objection. Why [4] don'tyou have the question read back so you can [5] hear it again. [6] BY MR. LINTON: [7] Q: Let me rephrase, If you assume that [9] what is <i>in</i> the second ER record is, in fact, [9] accurate, doesn't that suggest that the disk [10] herniation had caused problems with the bowel [11] that existed at the time of the first ER visit? [12] MR. TORGERSON: Objection. [13] BY THE WITNESS: [14] A: No, and let me explain, If someone [15] loses rectal tone, they will usually defecate on [16] themselves, If you have no rectal tone, you [17] can't hold in your bowel movement. If that were [18] in this case true, if she didn't have any rectal [19] tone, I think she would have had the problem. [20] She would have reported that she was losing [21] control of her bowel. So exactly on the [22] contrary I think that the bowel problem [23] developed right before she came into the [24] emergency room the second time.
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Page 78 1) history of not being able to have bowel 2) movements, there was no rectal tone, that wou d 3) suggest that, in fact, the disk herniation was 4) causing problems with the bowel correct? 5) MR. TORGERSON: I'll object. But go head. 6) BY THE WITNESS: 7) A: I think the disk herniation was 8) started with the chiropractor. It started to 9) cause some symptoms first with her bladder and 9) then I think her condition progressed. By the 1) time she came into the ER the second time, she 2) was having the bowel problems. You can't just 4) say because she didn't have bowel a movement for 4) two days that she was incontinent of bowel and 5) had a flaccid rectal sphincter when she came in 6) the first time to the emergency room, absolutely 7) not. 8] Q: We don't know because there is nothing 9] in the record the first time that can show one 6] way or the other whether she was 1) having — whether she had rectal tone or not? 2) MR.TORGERSON: Objection. 3] I Y MR. LINTON: 4] Q: Right?	Page [1] Q: If she hadn't had a bowel movement in [2] two days and presents the second time with no [3] rectal tone, why isn't she defecating all over [4] the ER? [5] A: She might. It can happen with a full [6] blown cauda equina syndrome. You could be in [7] the cart in the emergency room and you could [8] have — you could defecate in the ER. [9] Q: If you get no rectal tone, you haven't [9] had a bowel movement for two days, the movement [11] has to go somewhere, doesn't it? [12] MR.TORGERSON: Objection. [13] BY THE WITNESS: [14] A: That's exactly my point. [15] EY MR. LINTON: [16] Q: So where did it go? If she's got no [17] rectal tone when she presented to the ER the [18] second time, she would have had to have had a [19] bowel movement that occurred in an uncontrolled [20] fashion at some point either at the ER or before [21] the ER, wouldn't she? [22] MR.TORGERSON: Objection; argumentative. [23] BY THE WITNESS: [24] A: Well, it can depend on a lot of

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 (1) things, how much you're eating. If you've eaten (2) a lot in those intervening days, I think it (3) would be more likely. If she hasn't eaten very (4) much, she wouldn't necessarily had to have had (5) one. Everyone'sbowel habits honestly are a (6) little different. Some people go everyday (7) regularly, some people go every third day. It. (8) really depends. (9) BY MR. LINTON: (10) Q: Let's assume that she has regular (11) bowel habits, that she has a BM regularly every. (12) morning, that she's eating a regular diet, that (13) she's gone two days without a BM, and now she's. (14) shown to have no rectal tone when she presents. (15) the second time, wouldn't you exact that either. (16) MR. TORGERSON: Objection. If you can (17) answer. (20) BY THE WITNESS: (21) A: Not necessarily, it could be after (22) an hour before coming into the emergency room (23) an hour before coming into the emergency room 	 [1] MR. TORGERSON: Objection. Go ahead, [2] BY THE WITNESS: [3] A: No, practically speaking we can't [4] record everything that we do on the chart. If I [5] see a patient, I may do a lot of things, and [6] I'll just kind of stick to the relevant or [7] important things or sometimes you can't even put [8] those on. So the medical record is incomplete. [9] BY MR. LINTON: [10] Q: Would you agree that cauda equina [11] syndrome represents a true neurologic emergency? [12] A: I don't thirk it's an emergency as [13] much as, you know, a massive brain hemorrhage; [14] but I think that it should be dealt with in an [15] urgent matter, yes. [16] MR. RUFF: I'm going to hang up. I can't [17] hear. [18] MR. LINTON: That's fine. [19] MR. RUFF: Bye. [20] (WHEREUPON, Mark Ruff [21] telephonically left the [22] deposition proceedings.) [23] BY MR. LINTON:
enny 1 1 - State 1 - State 1 - State 2 - State	
Page 82 likely 's nat she probably did have : was in the emergency room PY MR. LINTON: e don't know because it wasn't sed on the record, was it? 	Page 84 [1] handled any less urgently than a brain [2] hemorrhage? [3] A: Yes. For a brain hemorrhage you're [4] immediately putting the person in the CT scan [5] and immediately taking them up to the operating [6] room after the diagnosis is made. Again, I [7] don't mean to minimize a full blown cauda equina [8] syndrome, but it's not as life threatening. The [9] fact is that it's in a little different [10] category. [11] Q: Did Bonnie Pikkel ever have back pain [12] from her disk herniation? [13] A: Well, we know she had pain before [14] going to the chiropractor, and I think it was [15] about at that time that she was having the onset [16] of this particular disk herniation progressing [17] shall we say. [18] Q: Do you a feel with cauda equina [20] rectal examine on associated urinary retention? [21] A: Yes. [22] Q: Do you agree that an MRI should be [23] used on an urgent basis when cauda equina [24] syndrome is suspected?

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n age 05	Page (1) problem after the decompression (1) Page (1)
BY THE WITNESS:	A DY REPORT OF A DESCRIPTION OF A DESCRI
a A: I think if you have a patient that you	[2] BY MH. LINION: [3] Q: I understand that it could possibly
4] strongly suspect has cauda equina syndrome, you	[4] occur.But isn't it more probable that there
5] should get some sort of imagining of the spine,	[5] will be recovery of some if not all bladder
ej yes.	[6] function if surgery is promptly done?
n yes.	is functional surgery is promptly done.
Q: Would you expect that this massive of	
a herniation would likewise have to be disclosed	
n on a CT scan?	
MR. TORGERSON: Objection to your	10) the degree of damage done to the nerve roots. I 11] think if there's pressure on them and they are shown
a characterization.	
BY THE WITNESS:	12) partially not working shall we say, that
	13) surgical decompression can help the situation.
	14] But if they've been severely damaged, then
	15] sometimes no surgery is going to be able to help
BY MR. LINTON:	16] that particular situation. You'd still want to
7] Q: Is there any window of opportunity	17] do it to try.
n that you, yourself, recognized as a neurosurgeon	18] BY MR. LINTON:
based on your review of the literature, based on	19] Q: How do you determine if they're
y your own clinical experience, based on your	20] partially damaged or if they're completely
general knowledge, is there a window of	21] damaged?
n opportunity from which recovery of bowel and	A: Well, I think that's in the realm of a
bladder function is more likely than not to	123] neurologist — excuse me, a urologist. A
occur?	124] urologist may be able to determine that in terms
an an an an tha an an an an tha an an an that an	
na Briger Marken Page 86	Page
1) A: I don't say that there's a window of again the second sec	[1] of how much bladder function there is with a
2] opportunity, no. I think any such proposed time	[2] cystometrogram.
I frame like 24 hours or 48 hours is really	[3] Q: You can't say based on anything you've
artificial. So I would not say to anyone, a	[4] reviewed the extent to which there was complete,
patient or another doctor, that there's a window	[5] almost complete, or only partial damage to the
of opportunity, no, sir, as a straight and the straight a	[6] nerve roots to Bonnie Pikkel's bladder, can you?
Q: Is it your opinion that when you have	
acute disk herniation like Bonnie Pikkel has	mail
that leads to urinary retention that surgery	MR. TORGERSON I'm going to object. Are you asking him for an opinion or you are is is it a factual question. I'm not sure I
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Page 89	Page 91
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[1] time she came into the emergency room the f ist [2] time, she had been unable to void €r 26 hours.	[1] have to think of each individual patient. [2] BY MR, LINTON:
Image: Q: Does that mean there was complete Image: domage: to all the means roots complete	
[4] damage to all the nerve roots controlling the	[4] individual patient is going to do, but if you
[5] bladder at the time of the herniation ?	[5] look at the patient population as studied in
[6] A: Most likely, either complete or shall	[6] most of the literature, doesn't it suggest that
77 we say severe.	7) the majority of patients who receive prompt
[8] Q: Once there's complete or severe damage	[8] surgery will have a return of full or
(9) to the nerve roots, one cannot recover function	substantial bladder function?
[10] with prompt surgery?	10] MR. TORGERSON: Objection; asked and
[11] A: Possible but unlikely. I've seen many	11] answered, indefinite and vague as to what you
[12] cases where a person did not recover .	12] mean by prompt.
[13] Q: In an acute case?	19] BY THE WITNESS: Control of the second
[14] A Yes.	14] A: Actually that's not my interpretation
[15] Q: How many of those cases?	15 of the literature, no.
[16] A: You know where are you, can I just	16] BY MR. LINTON:
[17] take one second. This is beeping.	Q: Likewise is that true with respect to
	18) bowel function?
[18] (WHEREUPON, a recess was had.) [19] BY MR. LINTON:	^{19]} MR. TORGERSON: Same objection.
[20] Q: Doctor, can you tell just on — during [21] surgery itself can you look at nerve root s and	
	21] A: I'm pausing because I'm trying to 22] think of papers and so forth and my fund of
[22] determine the extent of the damage?	
[23] A: Well, usually in this kind of surgery	toj mio modele ubolit uno, but i unini iogarumo
^[24] you don't open up the dura so, no. Sometimes	24] bowel function the literature would support
$\gamma_{0}(\phi,\phi)$. We have, $\phi^{2}(\phi)$ by the part $\phi^{2}(\phi)$, $\phi^{2}(\phi)$, $\phi^{2}(\phi)$, $\phi^{2}(\phi)$,	an an ann an an ann ann an Arlanda. Tarth ann an tha 1999 ann an tha 1999 ann an tha 1999 ann an tha 1999 ann a
[14] M. L. Martin, M. K.	e an and a manifest field field the language the brand manifest a same
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Page 90	Page 9:
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Page 90 [1] you can see a nerve root and see if it's damaged	1] doing surgery earlier as opposed to later. But
Page 90 [1] you can see a nerve root and see if it's damaged [2] and if there's a tumor in the cauda equina for	[1] doing surgery earlier as opposed to later. But [2] that's, again, looking at antidotal
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Page 90 [1] you can see a nerve root and see if it's damaged [2] and if there's a tumor in the cauda equina for [3] instance or it's involved with tumor. But in [4] this sort of situation, you're not going to be	 [1] doing surgery earlier as opposed to later. But [2] that's, again, looking at antidotal [3] retrospective groups of patients. [4] BY MR. LINTON:
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[1] conditions. So I just don't want to agree to	-	1) opinion that even by the time she got to the	-
(2) that word majority, and it's really not fair to	1	^[2] emergency room that first time that her — it is	
ask me about a majority because we have to total		more probable than not that her nerve roots were	
[4] up all the numbers from all those patients. I		[4] irreversibly damaged going to her bladder, and	
[5] don't have, you know, those figures all together		she was going to have even with surgical	-
(6) to say whether it would be greater or less than			
		li decompression a continuing problem with her	
[7] 50 percent. [8] BY MR. LINTON:		7) bladder.	
		[8] Furthermore, her clinical condition	
[9] Q: You haven'ttried to do that as of		deteriorated. She represented to the emergency	
no this point?		in room the next day. She had more of the features	
[11] A: I haven't done that, and I don't know		111 of cauda equina syndrome.She still did not	
¹² if it would be reasonable to do it because we're		(12) have all of the features of cauda equina	
[13] talking about an individual patient, not groups.		syndrome, and then the MRI was appropriately	
Q: But don'twe have to look at the		[14] done. The surgery was performed, you know, in a	
15] literature in order to see as a patient		is fairly quick manner; and she recovered to a	
[16] population what most likely will occur?		[16] certain extent, but she had some residual	
MR. TORGERSON: Objection; asked and		[17] neurologic problems.	
[18] answered.	1.	[18] Some of those went back to 26 hours	
BY THE WITNESS:		19 before she presented to the emergency room the	
A We look at the literature to get as		[20] first time. Others of those may have been	: 1
[21] much information as we can as a neurosurgeon		produced by when the cauda equina syndrome is	
^[22] treating this kind of patient.		worse. I'm saying that she presented to the	
23] BY MR. LINTON:		emergency room with urinary retention.	
Q: Isn'tthat the best predictor is	1	[24] I think what they did to work up the	
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	1	 A second sec Second second sec	
and the second			
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11 what's reported in terms of case studies and the		1) urinary retention was appropriate. If I had	
[2] literature?	1	^[2] been in that spot at the same time and I think	
MR. TORGERSON: Objection,		3 most reasonable physicians, of course that would	
[4] BY THE WITNESS:		^[4] have been an emergency physician, would have	1.1
A: I think that's part of what you put		钧 done the same thing. I don't think Dr. Spanner	
if together with your own personal experience and		(i) was negligent and that certainly it's	
(7) what you've learned. So the literature is part		7 unfortunate that she has some problem. If she	
in of the equation.		 Ides still have it today, I don't know. 	
BY MR. LINTON:		But this is the nature of damaging	×.
Q : You're just essentially saying you'll	{	10] your nerve roots going to your bladder, your	
11] never know with this patient because she never		[11] sexual area. They are sensitive. Even	
^{12]} had a chance to have the surgery;so,therefore,		with $-$ I don't think that catching it earlier	
ing one can't predict on a case by case basis how a	1	would have made any difference.	
14) particular patient will respond to surgery?	1	(14) Q: Not a bit?	
MR. TORGERSON: Objection,	li	[15] A: Now, if it was possible to catch	
BY THE WITNESS:	1.	16] it $-$ now, it's possible that within the first 6	
A: No, that's not what I'm saying.		¹⁷ or 12 hours of that manipulation if somehow	
BY MR. LINTON		ing someone had been able to know that she had a	
Q: How am I misunderstanding you then?		[19] large extruded disk, maybe an intervention could	
		20] have been carried out at that time, but she did	
A: What I'm saving with Poneta Billeral is		<i>zy</i> nave been carried but at that time, but she ald	
, , , , , , , , , , , , , , , , , , , ,			
that she had a lumbar disk herniation which	1	not have cauda equina syndrome —	
21] that she had a lumbar disk herniation which 22] either started or was exacerbated by the	1	21] not have cauda equina syndrome — 22] Q: Let me see what you re saying.	,
 that she had a lumbar disk herniation which either started or was exacerbated by the chiropractic manipulation. This damaged the 		 [21] not have cauda equina syndrome - [22] Q: Let me see what you're saying. [23] A: - until later. 	,
 [21] that she had a lumbar disk herniation which [22] either started or was exacerbated by the [23] chiropractic manipulation. This damaged the 		21] not have cauda equina syndrome — 22] Q: Let me see what you re saying.	
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A: What I'm saying with Bonnie Pikkel is that she had a lumbar disk herniation which either started or was exacerbated by the chiropractic manipulation. This damaged the read nerve roots going to her bladder, It's my		 [21] not have cauda equina syndrome - [22] Q: Let me see what you're saying. [23] A: - until later. 	

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	Page 99 [1] <i>A</i> Well, what I would say in answer to [2] that is the chance would have been higher if the [3] intervention would have been done earlier. But [4] the problem is you can't make the diagnosis [5] until the other things occur. [6] In other words, it's not appropriate [7] or the standard of care or necessary to get an [9] MRI scan just with someone having urinary [9] retention even if they have back pain [10] chronically. It doesn't become appropriate [11] until there are other neurological findings. By [12] that time it was too late. [13] BY MRL LINTON: [14] <i>Q</i> : Let me ask it this way, just assume [15] hypothetically that you could have had her on [16] the operating table within two hours after [17] leaving the chiropractor's office and had done [18] the decompression at that point. Even then are [19] you saying there is not a probability that is [20] more likely than not that she would have had [21] return of bladder function? [22] A: I think her chance would have been [23] better, but I still couldn't say that her [24] bladder function would be normal because the
 [2] possible — and I'm not saying that it would [3] have been because she didn't have a cauda equina [4] syndrome. §he just had some urinary retention. [5] But if had been possible to go back much, much [6] earlier, the likelihood would have been greater [7] to a point. [8] BY MR. LINTON: [9] Q: At least it would have been to a [10] reasonable degree of probability 50 [11] percent — better than 50 percent likelihood? [12] A: I still can't say 50 percent [13] likelihood. [14] Q: Again, getting back to the original [15] hypothetical, she went from the chiropractor's [16] office to the operating table, surgery was [17] done. Even then in your judgment there was not [18] a probability of return of bladder function? [19] MR. TORGERSON: By probability you're using [20] the legal term of probability, the greater or [21] less than 50 percent. [22] BY MR. LINTON: [23] Q: Isn't that what you understand [24] probability to mean, Doctor? 	 [2] Q: So there would have been with [3] reasonable medical probability improvement if [4] the surgery had been done within two hours of [5] the manipulation? [6] MR.TORGERSON: Objection. [7] BY MR. LINTON: [9] A: I think the chance of improvement [10] would have been higher. [11] Q: Would it have been beyond — would it [12] have been to a reasonable degree of medical [13] probability; that is, a better 50 percent chance [14] it would have improved? [15] A: I don't know because we have no [16] medical studies that have been published, and I [17] personally don't have an experience in that area [18] so it would be speculating. [19] Q: What about your personal [20] experience — do you have personal experience at [21] six hours? [22] A: Probably, but not just with an [23] isolated urinary retention, no, because usually [24] there are more symptoms and signs and findings

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(1) involved when this happens you see.	[1] likely that the person would have had in — this
[2] Q: Help me out with this, Doctor, She	[2] particular person would have had continuing
[3] has surgery after her second presentation?	[3] neurologic problems as I've already answered.
	[4] Q: Exactly the same?An earlier surgery
	(5) would not have effected in any way her residual
[6] been called in after the first presentation.	[6] problems from the disk herniation?
A: You mean to the emergency room when	MR. TORGERSON: Well, objection; asked and
in she came in the first time on the 4th?	[8] answered.
9 Q: Correct.	[9] BY THE WITNESS:
on A: Okay, I'm with you.	10] A: I don't know. We don't have any
Q: Assuming that the surgery was done	11] studies specifically looking at that to tell
2] following her first visit to the ER. Wouldn't have a second	12) US. The state of the state
3] there have been a better chance of some recovery	13] BY MR. LINTON:
4) than waiting uttil after the second	14] Q: Would we have any studies at all that
5 presentation?	15] even address the issue in this case in terms of
MR. TORGERSON: _ m going to object. You determine the	16] earlier surgery?
^{17]} should answer it, but you're implying that we're	A: I do not think there are any specific
assuming something about a recovery better or	18] studies, no. I think what we have to use is our
worse than $-$ I just don't know the status of	19] clinical experience and our opinion about that.
n) her recovery. If you do, Doctor, answer the	Q: Your clinical experience, you can only
n question.	remember probably five patients, and you can't
MS. GORCNNSKI: Objection.	^{22]} even remember the details of more than one
BY THE WITNESS:	23) patient.
A: Could you read that back.	A: This is a rare entity. This is going
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Page 102	Page 104
(WHEREUPON, the record was	[1] to be true of everyone involved in this case.
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(WHEREUPON, the record was [2] read by the reporter.) [3] BY THE WITNESS:	Page 10 [1] to be true of everyone involved in this case. [2] Q: Let's not speak you haven't talked [3] to Dr. Shapiro yet?
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Page 105	Page 10
[1] speech to try to coach the doctor.	[1] cauda equina syndrome other than what you've
[2] MR. TORGERSON: I'm not coaching anybody,	12) told us?
[3] MR. LINTON: Let the doctor please answer	MR. TORGERSON: Objection.
[4] the question as it's posed.	[4] BY THE WITNESS:
[5] $M\dot{R}$. TORGERSON: The doctor has answered the	[5] A: No, I've been focused on answering
lei question.	[6] your questions, not thinking back about other
[7] MR. LINTON: Not that question.	77 patients. The best way for me to do that is for
[8] MR.TORGERSON: Objection.	[8] me to try to get some old records or something.
MR. LINTON: Please read back that question.	[9] BY MR. LINTON:
[10] (WHEREUPON, the record was	10] Q: You have not attempted to do that as
[11] read by the reporter.)	11] of this point, correct?
[12] MR. TORGERSON: Objection	12] A: No, I don't think that would be
[13] BY THE WITNESS:	13] helpful for Ms. Pikkel anyway.
[14] A: Incorrect.	14] Q: Would that be feasible at this point?
[15] BY MR. LINTON: A BARAGE	15] A: No.
[16] Q: Okay, Doctor, let me try to go over	16] Q : We don't want to call this - strike
[17] that. I thought we did.	17] that.
[18] Can you please tell us the details of the first of t	18] How would you define Bonnie Pikkel's
[19] any other acute cauda equina syndrome cases that	19] condition?
[20] you've treated other than the one you told us	20] If you don't want to call it an acute
[21] about this year. When find the state of the second	21] cauda equina, how would you describe it?
[22] MR. TORGERSON: Note an objection.	22] A: Thanks, that's a good question. When
[23] BY THE WITNESS:	23] she came into the emergency room, her diagnosis
[24] A : What happens when you have contact	24] and condition was that of urinary retention.
de la poste de la construcción de l La construcción de la construcción d	a a standard
	and the state of the second state of the second
Page 106	Page 10t
[1] with these cases you talk to people, you learn	[1] That's on the first time, 9-4-96. When she came
2 about the situation at the meetings, you read	[2] in the second time, her diagnosis was L5-S1 disk
3 papers, you read textbooks. What you use for	s herniation.
[4] your clinical experience or for making a	[4] Q: Now, Doctor, what was the — strike
[5] clinical judgment isn't just based on the people	5 that.
[6] that you've operated on That's part of it, but	[6] Was anything done during her first
7] there's more than that.	7] visit to the ER to diagnosis the cause of the
[A] So I don't have a photographic	[8] urinary retention?
^[9] memory. I guess a few people do. If I learn	[9] A: What was done was taking a history,
[10] about a person, a patient of mine or some other	[10] performing a relevant exam, and placing the
[11] patient in the literature that has cauda equina	[11] foley catheter which was more therapy than a
[12] syndrome, which is really not what this patient	[12] diagnosis. So that's what was done.
[13] had any way, that goes into ones memory.	(13) Q: First of all, the exam we don't know
[14] So although I'm an expert on cauda	[14] if rectal tone was checked and we don't know if
1151 syndrome. that doesn't mean necessarily I could	[15] perineal — if the perineal area was checked for
[16] tell you the exact age, time course,	[16] sensation, correct?
[17] intervention that was done for specific people	[17] MR. TORGERSON: Objection to form. Object
[18] in the past, no.	[18] to it's repetitive nature. The records speak
[19] BY MR. LINTON:	[19] for themselves as to what is known.
Pol Q: I just want to make sure you haven't	[20] BY MR. LINTON:
[21] recalled more now than you did at the start of	[21] Q: To lay my foundation for my next
[22] this deposition. Can you recall any mora	[22] question, we can agree that there is nothing in
[23] details about any other cases that were probably	[23] the first visit — the record of the first visit
[24] about five in number that presented with acute	[24] that shows either rectal tone was checked or
	and the second secon
	and a second second Second second second Second second
	and the second

Page 109	Page	je 11 1
it that perineal area was checked for sensation,	[1] for the urinary retention; is that correct?	
[2] correct?	A: No, sometimes we treat something and all the	
	[3] then we find the cause later as a practical	
answered, The continuing asking of the question	[4] matter.	
51 which has been previously asked on several		
of occasions is coming close to being harassment of	[6] clinical exam is to try to come to a diagnosis?	
7] this witness,	[7] MR. TORGERSON: Objection.	
BJ BYTHE WITNESS:	IBI BY THE WITNESS:	
A: My answer is that we've gone through	[9] A: Yes.	
of that. I guess the best thing to rely upon is	[10] BY MR. LINTON:	
1) Dr. Spanner's deposition under oath and if he	(1) Q: Isn't the purpose for a diagnosis to	
^{2]} could recall what was done. Because as I've	[12] try to find out the cause of the problem. what's	
i said many times, right, it was not recorded in	[13] wrong with the patient?	
4) the emergency room chart; but it is not possible		
51 to record everything that one does unless you	115] than a cause, and this is a perfect example.	
a have a court reporter sitting right here.	[16] The diagnosis was uninerry retention, but since	
7] BY MR. LINTON:	[17] there are so many different causes, it wasn't	
Q: Would you expect that Dr. Spanner	[18] feasible to really know what the cause was at	
would have an independent memory of what he did	in that time.	
on this patient this many years later or when	[20] Q: You would agree knowing everything you	
n his deposition was taken?	21] know about Bonnie Pikkel that if an MRI was done	
MR. TORGERSON: Objection. You may answer.	[22] that, in fact, would have showed the cause of	
BY THE WITNESS:	^{23]} the urinary retention being an L5-S1 disk	
A: I'm not going to answer for	24) herniation?	
Page 110	Pag	ne 11
Page 110 [1] Dr. Spanner, but there is something about having		ge 11
[1] Dr. Spanner, but there is something about having	[1] MR.TORGERSON: I'll object to everything we	ge 11
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Page 113 [1] a smaller disk herniation than what was actually [2] shown after her second presentation? [3] MR.TORGERSON: Objection; asked and [4] answered. Go ahead. [5] BY MR. LINTON:	Page 115 MR. TORGERSON: Objection. BY THE WITNESS: [3] A: Well, I think that if somehow a [4] neurosurgeon had been called in just based on [5] urinary retention and a small disk herniation, I
 [6] Q: Is that correct? [7] A: Probably, yes. [9] Q: Assuming that it showed a disk [9] herniation although a smaller one, would it have [10] been a appropriate at that time to call in a [11] specialist like Dr. Bell? 	 [6] don't think neurosurgery would have been done. [7] So I have to disagree with that. If I was [8] called in on this day — [9] BY MR. LINTON: [10] Q: Day one? [11] A: On day one as a neurosurgeon, I can't
 [12] MR. TORGERSON: Objection. You may answer. [13] BY THE WITNESS: [14] A: I think that would have — that might [15] have been an option for the emergency room [16] doctor. [17] BY MR. LINTON: 	 [12] say that I would have recommended surgery [13] because even in there was a disk [14] herniation — that's a good other opinion to [15] bring out because I wouldn't have thought with [16] 36 hours of urinary retention, Number I, that I [17] was sure that the small disk herniation caused
 Q: Do you think it would have been equally appropriate for him to simply send her home with a catheter if the MRI showed a disk herniation even though it was smaller? A: I don't know. Q: Assuming it was a smaller disk 	 [18] it or a smaller disk herniation. [19] Number 3, by operating on it I [20] wouldn't expect that her bladder problem would [21] resolve. I would be worried about other things [22] causing the bladder problem. [23] Number 3, I'd be confused because
[24] herniation than was presented during the second	24] <u>there was no leg pain, there was no severe back</u>
 Page 114 (i) time and assuming if a neurosurgeon was called (i) in to operate, more likely than not there would (j) have been a better outcome in Bonnie Pikkel had (i) the MRI been taken and had the surgery been done (j) after the first visit, correct? (ii) MR. TORGERSON: Objection; asked and (j) answered. (j) MS. GORCZYNSKI: Objection. (j) BY THE WITNESS: (ii) A: The problem is there's so many parts (ii) to that question that I kind of lost track of (iii) It break it down. I don't want you (iii) Assuming the following facts, an MRI (iv) was taken after the first visit, that it showed (ii) a smaller disk herniation, that a neurosurgeon. (iv) was called in after the first visit, that he did (iv) the surgery. (i) When you compare that outcome as (iv) opposed to what happened in this case, more (iv) likely than not Bonnie would have had a better (iv) outcome, correct? 	Page 116 [1] pain, the other symptoms were not there. So [2] that's an important question that I think a [3] neurosurgeon seeing her at that time probably [4] would not have operated. [5] Q : Doctor, please tell me whether the [6] following in your opinion is appropriate or [7] inappropriate. [8] Would it be below the standard of care [9] if a physician who is qualified to diagnosis [10] cauda equina syndrome who sees a patient with a [11] 26-hour urinary retention who has perineal [12] numbness that may have resolved to simply place [13] a catheter in that patient, diagnosis the [14] patient as having urinary retention, and sent [15] her home with no further diagnostic tests or [16] studies? [17] MR.TORGERSON: Objection. [19] BY THE WITNESS: [20] A: No. [21] BY MR. LINTON: [22] Q: You believe that would have been [23] entirely appropriate? [24] MR.TORGERSON: Objection.
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(31) Page 113 - Page 110

April 23, 2001	MARK ZAUNGIAI, D.C., EI A
Page 117	Page 11
til BY THE WITNESS:	[1] A: No, I think an emergency room doctor
A: I think it would depend on the	(2) who deals with people with urinary retention
[3] circumstance. In looking at the Pikkel case, I	in from all kinds of reasons is going to behave
4) think what Dr. Spanner did was appropriate	
	[4] exactly like he did. He put in a Foley and
5] considering what she told me and other factors.	said, follow up with your doctor. There was
⁶] So I'mnot critical of that, no. That's from	f nothing else about her neurologic examthat
7) the point of view of a neurosurgeon who's going	[7] indicated that she was having a cauda equina
s to be more attune to the problem with the nerve	(a) syndrome.
sy roots than an emergency room physician would	In fact, she did not have cauda equina
oj normally be.	in syndrome. I can't stress that enough. That
1] BY MR. LINTON:	11] didn't happen until later when it was partial at
2] Q: If you were there during the first	12 best.
i) visit, you would not have ordered an MRI even if	and the second
a the MDT stalles that	
4] the MRI — strike that.	14] Q: She at least had an L5-S1 disk
5 You would not have ordered an MRI if	15] herniation following chiropractic manipulation,
6] you, yourself, were in Dr. Spanner's shoes, and the standard	16] COTTECT?
7] that's what you're saying, correct?	17] A: True.
A: I wouldn't be in his shoes. I'm not	18] Q: She had a L5-S1 disk herniation at the
an emergency room physician.	19 time she presented to the ER the first time?
	20] A: She probably did. a state of say particle as done as the
	A. She probably uti.
1) office with this exact same presentation as	21] Q: That diagnosis was never made during
	22] her first presentation to the ER?
a) ordered an MRI scan?	23] MR. TORGERSON: Objection. And the second s
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[1] Q: D 2 is a letter that followed on	[1] well as the ones that are in place at the
[2] November 25, 1998, correct?	[2] University of Illinois
(a) A: Yes.	[3] A: Those are pretty much just on the CV.
[4] Q: And D 3, are those your billing	[4] Q: You were an assistant professor at the state of th
[5] records in this case?	151 Northwestern?
A: These are recent ones from 2001.	[6] A: Yes.
[7] There were some previous bills generated at	Q: The next step up from that, is that an
[8] about the time that it was first sent to me as	[9] associate professor?
[9] well, but those are, you know, previous tax	[9] A: Yes, sir.
10 years. I don't really keep those. They were	101 Q: After that is a full professor?
[11] paid.	[11] A: Yes, A gradient in the set of the se
[12] Q: Where can we get those bills?	[12] Q: Do you have tenure currently?
[13] A: I would have to print them out from my	[13] A: I'm on what's called the tenure track,
[14] computer or maybe Westin Hurt (phonetic) could	[14] but tenure has not yet been awarded.
[15] give them to you.	[15] Q: What is required for you to complete
[16] Q: Would you be so kind as to do that	[16] your track and get tenure?
[17] Mr. Torgerson in turn will give them to me. I'd	[17] A: I don't think you can even be
[18] just like to have a complete copy of your	ing considered for it when you come in as an
[19] billing records if we could for this case.	[19] associate professor for two or three years or
[20] A: It's okay with me if it's okay with	[20] something like that. So I don't have tenure
[21] him.	[21] yet, that's correct.
[22] Q : You came over here, when was it, 1998	[22] Q: I don't want to know the specific
[23] to University of Illinois?	[23] numbers, but what was the percentage increase in
[24] A: Well, by over here, I came to	[24] salary coming over here?
an an an Arthur an Araba an Ar Araba an Araba an Arab	and the second
Page 122	The supervision of the supervision and the supervision of the Page 124
n Chicago — I did my residency in Chicago, some	[1] MR. TORGERSON: Objection.
[2] Q: Just to speed things up, at the time	BY THE WITNESS:
[3] you got involved in this case, you originally	[3] A: 50 percent.
[4] were at Northwestern. You are now at University	[4] BY MR. LINTON
[5] of Illinois; is that right?	[5] Q: In terms of research money, were you
6 A: That is true.	[6] getting research money at Northwestern, you
[7] Q: When did you make that change?	7] specifically?
[8] A: I started at the University of	[8] A: I had to get grants, some of which are
[9] Illinois in February of '99.	[9] listed in the CV. So I wasn't given research
[10] Q: I assume that was a better opportunity	[10] money just, say, on a month-to-month or a
[11] for you than at Northwestern?	[11] year-to-year basis. I had to apply for grants.
[12] A: Sure was.	[12] In coming to the University of Illinois, they
[13] Q : How was it better for your own career	[19] did give me start-up research money.
[14] advancement?	[14] Q: How much do they give you in start-up
[15] A: My salary was more. I was assigned to	(15) research money? (16) A: \$315,000.
[16] be the director of neuro-oncology as part of my	[16] A: $$315,000$
[17] responsibilities. I was an associate professor	[17] G : 515 OF 550 (1993) [14] and 1993 (1994) [14] and 1993 (1994) [14]
[18] and got a promotion or academically I was an	[18] A: 3, 1, 5. That was not to me but it's
 [19] associate professor instead of an assistant [20] professor. I was given research money, and I 	
	[20] Q: Not salary to you, it's money you use
[21] like the people that I worked with. So all in[22] all it was a better opportunity for me.	[21] to fund your research projects?[22] A: Exactly.
	 [22] A: Exactly. [23] Q: Is your research interest still brain
[23] Q: Tell me the different academic	[23] Q: Is your research interest still brain
[24] positions that were in place at Northwestern as	[24] tumor cell biology?

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	[1] administrative work. There's some legal work
A. That and a the other and	[2] like this which is maybe, you know, 2 percent of
[3] A: That and other things.	[3] my time, something like that. Well, there's
[4] Q : What other areas of brain tumor cell and the	[4] some other committee work and so forth, but I
s biology?	5 would lump that into administrative duties.
(6) A: Anything involving neuro-oncology	6 So the vast majority is clinical and
[7] which would be the way that tumors or cancer or	[7] that overlaps with teaching. In other words, I
[8] benign tumors effect the nervous system. Any of	[8] give a few lectures a month, some of those are
(9) that would be in my research area.	19 in the CV. But my teaching overlaps with the
	[10] clinical work. So for instance, if I'm doing a
(11) responsibilities would relate to brain tumors	[11] surgery or seeing patients, a student or a
[12] versus other parts of the nervous system? A the second secon	[12] resident is with me so I spend a good amount of
[13] A: Most of it is brain tumor, maybe 75 to stand a set	(13) time teaching as well, but that's kind of going
[14] sometimes 90 percent over the past two years.	[14] along with my clinical work.
[15] Q: Have the number of surgeries you	[15] Q: Do you teach formal classes at the
[16] performed changed since you came over here just	[16] medical school?
in towns of muchana?	A: Yes, I teach on neurosurgical topics.
[10] A: They may have increased a little bit.	
 [19] A: They may have increased a little bit. [19] You know, it's something that's going to vary [20] from month to month, year to year; but it's been [21] pretty consistent I'd say over the past ten [22] years. [23] Q: How many surgical procedures do you do 	 [19] For instance, the medical students will have [19] For instance, the medical students will have [19] lectures on neurosurgery, and I and the other [20] faculty members would give those. I'm also in [21] the bioengineering department and give seminars [22] according to that. So there are some formal [23] teaching responsibilities, yes. [24] Q: Have you specifically lectured on

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III A: I would say 200 to 300.	[1] cauda equina syndrome?
2 Q: What percentage of those would be	[2] A: I have mentioned it if I've been
[3] brain versus spine?	[9] talking about disk surgery, specifically lumbar
[4] A: Well, currently I'd say it's about	[4] disk surgery. It's been something that has come
5 50/50. Earlier when I was at Northwestern I'd	[5] up.
[6] say it was 75 to 85 percent spine.	[6] Q: Do you have any course materials or
Q : So even though you are a director of	[7] written materials from any of those lectures?
[9] spine surgery where, you're still doing spine	[9] A: No.
[9] surgery yourself?	[9] Q: Have you specifically lectured on the
[10] A: Yes, sir, that is – really	[10] anticipated outcome of surgery or the timing of
[11] neurosurgeons do in general more spine surgery	[11] when surgery should occur with cauda equina
[12] than brain surgery just because of the number of	[12] syndrome either complete or partial?
[13] patients that have problems with the spine as	[19] A: I probably have, and the opinion that
[14] opposed to brain problems. So I still do a lot	[14] I would give in that lecture would be similar to
[15] Of spine surgery, yes.	[15] the one I've been giving today which is that
[16] Q: Could you just break out for me in	[16] this is something that — cauda equina syndrome
term of percentage of your professional time	117 is something that is better to be dealt with
[18] what you do generically do in your current	[18] urgently, but even with immediate or very rapid
រេទ position?	[19] surgical decompression, there can be continuing
[20] A: I'd say the vast majority of it is	[20] neurologic problems.
[21] seeing and taking care of patients and	[21] You can't guarantee that operating
[22] performing their surgeries, probably 75, 85	[22] within a certain time frame, for instances as
[23] percent of it. Then there's the research which	[23] we've gone over, is magical or that is the
[24] is the bulk of the rest of it. There's some	[24] window of opportunity. I have not ever lead

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 Page 129 [1] students to believe that there is such a window [2] of opportunity. [3] Q: Of course there's no guarantee in your [4] business, but isn'tthe whole reason for urgent [5] surgery is because you expect that there will be [6] some improvement after surgery? [7] A: That's why you do surgery is you hope [8] to make the patient better or prevent the [9] patient from getting worse. [10] Q: Again, I assume you don't have any [11] written materials that would contain any [12] information on that topic from your lectures? [13] A: I don't, not the topic of cauda equina [14] syndrome. [15] Q: Is there a different policy in place [16] at the University of Illinois compared to [17] Northwestern in terms of your involvement as an [18] expert in legal cases? [19] A: I wouldn't say it's different. I [20] thirk it's prudent to keep it to a very limited [21] amount of time and not let it interfere with any [22] of your responsibilities with your real job, and [23] usually the amount of time that we spend doing [24] this is reported. So there's no change I would 	Page 131 [1] haven't made a determination as to how that will [2] work, [3] BY MR. LINTON: [4] Q: Have you calculated a charge for doing [5] that? [6] A: No. [7] Q: Have you ever had to travel out of [8] town to testify at a trial? [9] A: I've traveled out of town but never 10] traveled out of state. 11] Q: What do you charge — do you have a 12] current fee schedule for testifying at trial? 13] A: What I had charged in the past for 14] testifying at trial is \$800 per hour plus travel 15] expenses. Usually those have been very 16] limited. So I'm going to have to think about 17] that. I haven't really thought about it for 18] coming to Cleveland if I need to do that. 19] Q: What do you charge an hour to review 20] records? 21] A: \$400. 22] Q: To give a deposition? 23] A: \$600. 24] Q: Have you ever worked before for
Page 130 [1] say that would be significant. [2] Q: Is there any written policies or [3] procedures or guidelines concerning that topic? [4] A: No. [5] Q: The fees that are paid for your work. [6] as an expert witness in legal cases, is that [7] money that goes directly to you or does it go to [8] the university? [9] A: Well, it's discretionary. I think' it [10] could go to you. You could use it in that way, [11] but you could also do it through the university [12] billing system if that was your desire. [13] Q: In this case it's gone through your [14] own personal funds as opposed to billing through [15] the university? [16] A: To the state, it has, that's correct. [17] Q: Do you anticipate changing that? [18] MR.TORGERSON: Objection. Go ahead and [19] answer. [20] BYTHE WITNESS: [21] A: I don't know. I'll have to see what [22] my academic and laboratory needs are. For [23] instance — well, I haven't made — if I come to [24] Cleveland to testify if and when, I really	Page 13: 11 Ms. Chrisafi or the law firm of Jacobs, Manard [2] Tushwin, and Caler (phonetic)? That was firm in [3] Ohio that basically defended a company called [4] PIE which is the largest malpractice insurer of [5] physicians in Ohio. Did you do any work for [6] that firm? [7] A: I don't think so. I think this is my [9] first contact with them, but I think I might [9] have been sent one other PIE case a long time [10] ago. I certainly never had to go to Ohio. I 11] think it just sort of disappeared, and I don't 12] remember the details of that. But I don't 13] recall any previous work with Ms. Chrisafi or [14] this law firm or the other one that you 15] mentioned. 16] Q: Or Mr. Torgerson I assume? [17] A: No, this is definitely the first case [18] I've worked on with Mr. Torgerson. [19] Q: Are you doing less legal work now that [20] than you did when you were at Northwestern? [21] A: Yes. [22] Q: You have less time? [23] A: Yes. [24] Q: Are you accepting new cases?
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 A: Yes, selectively. Q: Tell me in whatever way you can quantifyhow it's different now than it was at Northwestern. A: It's quantitativelyless, maybe 50, 75 percent less, something like that. Q: How many cases do you currently have? A: I don't know. I keep a little office that just holds records on cases, and most of those cases are from quite a long time ago, 1995,1996. Q: Yourprevious life? A: My previous life, And I would say — as this one actually started in my previous life. I would say there's probably something like a dozen cases sitting there, and I don't-knowat the bresent time if those are yust done or if they're going to go to trial or what. I think there may actively be one or two other cases that L'mworking on, When I give a treater. Q: Let me make sure I'm clear. The number of cases that you have you said is like a 		 In a treating physician where you were asked to [2] give deposition testimony in an auto accident [3] case or Workers' Comp. case or something like [4] that? [5] A: This is correct. [6] Q: The 2 percent or so of your practice [7] that involves legal work, would that include [8] those cases as well? [9] A: I wouldn't say it's of my practice, I [9] Would say it's of — [9] A: I wouldn't say it so f my practice, I [9] A: I wouldn't say it's of my practice, I [9] Would say it's of — [9] Q: Which is how many hours a week [9] A: Depending if I'm looking at it or if [9] an working probably more than 80 hours a week. [9] Q: When was the last time you gave a [9] deposition in a case where a patient — excuse [9] me, for a plaintiff in a medical malpractice [9] as ecause what's happened in the past is a [9] A: Usually it becomes a little fuzzy to [9] A: Usually it becomes a little fuzzy to

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[1] dozen and then you said one to two other cases.	pi treater, but I also get involved a5 an expert.
[2] I was confused.	[2] So that has probably happened this year, maybe
(3) A: What I meant by that is I have on file	(a) last month where I was a treater, slash, expert.
[4] maybe a dozen cases. Other than this one	[4] Q: Is that in a malpractice case?
5 there's maybe one or two others —	[5] A: Oh, in a malpractice case. Yeah,
[6] Q: Active?	[6] within the last five or six months I was
[7] A: — that, you know, I have received	71 probably deposed as a treater and then they used
[8] communication about, say, this year.	^[8] me as the expert in a malpractice case which has
of Q: I see. So the others are there if and	subsequently settled.
[10] when, but in terms of active c: ses, there would	10) Q: For the patient?
[11] be just one or two? The second stage of the second states and	II] A: Yes.
[12] A I think that's an accurate	Q: What was the issue in that case,
(13) characterization, yes.	si sentence or less?
[14] Q: Are you accepting new cases for review	^{4]} A: The issue was head trauma,
[15] in term of case a month, a case every six	^{5]} Q: When before that did you last give a
[16] months? Have you set any sort of goal or limi	6] deposition for a plaintiff in a malpractice
[17] for yourself in that area?	7] case?
[18] A: I haven't any sort of goal. I would	B] A: I don't tecall.
[19] limit it to only an occasional selective case,	9] Q: Have you ever testified at trial for a
[20] <i>yes</i> .	op plaintiff in a medical malpractice case?
[21] Q: If we look at in term the course of a	11] A: No.
^[22] year, are we talking a couple a year?	Q : How many times have you testified at
A: Right, a couple cases a year.	is trial in a medical malpractice case for a doctor
Q: Separate from any work you've done as	4) or hospital?

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[1] A: I'd say about half a dozen times,	[1] governmental entity?
[2] probably less than ten, in that kind of range.	[2] A: No.
[3] Q: Have any of those aside from the one	[3] Q: When was the last time you were
[4] cauda equina case we talked about involve the	[4] involved in that sort of work?
is issues in this case or relate to the issues in a difference of the same	[5] A: Unless, of course, you consider the
[6] this case?	[6] University of Illinois a governmental entity.
7) A: No. As a subscript of the second secon	[7] Q: Well, separate from that. I mean in
[8] Q: In terms of the number of cases, it's and the second	[8] terms of insurance exams or Workers' Comp,
(9) still the overwhelming majority that would be	[9] Social Security, anything of that sort?
[10] for the defense in a malpractice case as opposed	[10] A: Anything that I do along those lines.
[11] to the plaintiff? If you look —	[11] anything that involves seeing a patient is
[12] A: If terms of testimony, yes. In my	[12] clinical work, and it all goes through the
[13] previous life I've been sent cases to analyze by	[13] University of Illinois. I don't do anything
[14] plaintiff's attorneys, an occasional case. So	[14] independently other than looking at some
[15] in terms of case volume forgetting about	[15] records.
[16] depositions, at one time it was more like 50/50	[16] Q: In case reviews like this case?
[17] or maybe in terms of the plaintiffs; but a lot	[17] A: Right.
[18] of those settled, and I never had to give a	[18] Q: Has there been anything else you've
[19] deposition and never testified at trial for	[19] been asked to do between now and trial in this
[20] them.	[20] case?
[21] Q: What do you expect — tax time is just	[21] A: No.
[22] completed. What did you make last year from	[22] Q: Kind of going backwards, as you may or
[23] your legal work approximately?	[23] may not know our local court rules require that
[24] MR. TORGERSON: Objection	[24] you give notice of all of the opinions that you
and the second secon	
and the second secon	n na shine na shekara n Na shekara na shekara n
	the second s
Page 138	Page 14C
BY THE WITNESS:	[1] hold in a case in your report and in
[2] A: In terms of total money or in terms of	[2] deposition. I want to make sure I leave here
[3] percentage or what?	[3] today with all of your opinions.
[4] BY MR. LINTON:	[4] Do you have any other opinions in this
[5] Q: Let's start with both	[5] case that we've not covered either in your
[6] MR. TORGERSON: If can you segregate it,	[6] report or in your deposition here today?
m please do so.	A: Well, it's a little bit of a hard
[8] BY THE WITNESS:	a question to answer. I know you need to get the
[9] A: Well, I think total revenues from	[9] opinions, but for instance, look at all these
[10] legal cases were about in the year 2000	[10] flags on these depositions. I flagged them
[11] somewhere between \$60,000 and \$70,000.	[11] because either I had a little opinion or thought
[12] BY MR. LINTON:	[12] something about each little point.
[13] Q: In terms of percentage?	[13] Q: Let's start,
[14] A: It all depends on net income or gross	[14] A: I'd have to say that I think most of
[15] income, things like that. It would be about 20,	[15] the gist of things I've been able to get out
[16] 25 percent.	[16] here. I think I've made it very clear that the
[17] Q: Of net or gross?	[17] preliminary report that I gave did not express
[18] A: Gross. I should have my accountant in	[18] all of my opinion — I had a lot more opinions
[19] here.	[19] about, for instance, the definition of cauda
[20] MR. TORGERSON: Don't suggest it.	[20] equina syndrome and how Ms. Pikkel's condition
[21] MR. LINTON: He'll be next.	[21] related to that.
1221 BY MR. LINTON:	[22] So I think I've given most of my
[23] Q: Are you still doing any insurance	[23] opinions, but for instance, if I'm asked, do
[24] examinations or examinations for any	[24] agree with Dr. So-so about this particular
	1 3
and a second	

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Page 141	Page 143
[1] issue, it might trigger another opinion.	[1] you may want to know about.
[2] Q: I want to make sure I know all those	[2] Q: Lee's start if we can with the state of the state
s opinions. I'm happy to go through these	3 Dr. Spanner's deposition and just note the page
[4] depositions with the tabs and tell us what the	[4] you have tabbed, and tell us the significance,
5 significance of the tabs are and what additional	if any, of any of those pages in terms of your
[6] opinions, if any, you have.	[6] opinions.
7 A: Okay, Can I take a little break.	MS. GORCZYNSKI: What deposition are we
[a] (WHEREUPON, a recess was had.)	(a) starting with?
[9] BY MR. LINTON:	(9) MR. LINTON: Dr. Spanner.
[10] Q: I don't want to be surprised at a provide state of the	MR. TORGERSON: Every page or every page
(11) trial.	[11] that -
[12] A: We want to give all the opinions.	[12] MR. LINTON: Every page that matters in
[13] Q: If there's anything else you have, I	[13] terms of any of his opinions. The start start is the start of the start start is the start of the start start is the start of the start is the start of the start of the start is the start of the
[14] want to know about now because it's the last	[14] BY THE WITNESS:
[15] time we talk before trial. If it means going	[15] A: Well, I would say — I'm going to move
[16] line by line every piece of record, I'll stay as	[16] closer the speaker. Looking at Dr. Spanner's additional data
[17] long as you want to or come back. If it's just	[17] deposition, I mean, most of it if not all of
[18] a matter of focus - the supervision of particular and the second seco	[18] it — I'm going to go through it kind of
119 MR. TORGERSON: It isn't a matter of staying	[19] quickly — but I agree with him. So in most of
[20] as long as you want to. He's indicated that he	[20] these tags they were key points in which I was
1211 has annotated his depositions which we've now	[21] in agreement with him.
	[22] BY MR. LINTON:
[23] three hours.	[23] Q: Could you just for the record identify
[24] MR. LINTON: I haven't looked at any	[24] the pages that you've tabbed.

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[1] depositions. MR. TORGERSON: You certainly had the [2] [3] opportunity. 过来的人们相 MR. LINTON: They're here. 141 MR. TORGERSON: He had — and you chose to [5] [6] proceed the way you do. I'm not criticizing. (WHEREUPON, a recess was had.) [7] BY MR. LINTON: [8] [9] Q: I'll try to speed this up, but I [10] believe I've covered the opinions that you have given. I understand that obviously the opinions [11] [12] that you have today conflict to some extent with [13] the deposition testimony of other witnesses in [14] this case, in particular Dr. Bell and Dr. Yates, our emergency room expert. [15] But if there are any new additional [16] [17] opinions that you have based on these tabs, I. its want to cover those. If it's simply that you [19] disagree because you've given the opinion why [20] already, we don't need to get into that. [21] A: I think I understand the question is [22] to get out my opinions, and I think that if I [23] just kind of skim through these, it will refresh [24] my memory about other opinions I may have that

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[1] A: Yeah. I tagged 31 and 32 and 33 and
[2] 35 and 38.A lot of these tags, though, are
[3] just for important points in the case such as it
[4] may be an L5-S1 herniated disk, something like
[5] that, and a witness or someone that was deposed
[6] might have said that so I may have tagged that.
[7] It doesn't really reflect on a major opinion of
[8] mine.

But to continue 39, 43, 44, 47, 56, Mar. Additional and a second [9] 1101 57, 60, 63, 74, 77, 79, 83, 85, 87. I was [11] noticing things like his knowledge of neurology 12] and so forth which was good. I was agreeing 13] with most of his opinions, for instance, about which [14] cauda equina. A particular thing was that I was [15] aware that he was knowledgeable about the things 16] that could possibly cause urinary retention 17] which was the diagnosis obviously of Ms. Pikkel [18] in this case when she presented to him. Advantage Ukan He confirmed in his deposition the 1613 20 26-hour time frame of the urinary retention. Me il did appropriately on Page 56 include cauda equina syndrome is part of the differential 13] diagnosis for Ms. Pikkel. I don'tknow if this 14] is the kind of information you want.

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Page 145	Page 14 [1] A: I wouldn't say that was tweaked. I
[1] Q: That's okay, yes.	
[2] A: I thought that his knowledge of what	 [2] would say that was permanently damaged. [5] Q: So Dr. Spanner was wrong to say that
 [3] the cauda equina was and his understanding of [4] the time frame was good. I think his treatment 	 [3] Q: So Dr. Spanner was wrong to say that [4] it was simply a tweaking of the nerve that lead
[5] of putting the Foley in obviously was	[5] to her urinary retention?
appropriate. He said he did a neurologic	[6] A: Let me look at what he said.
m examination.	UD TODOFDOON T
	 [7] MR. TORGERSON: Let me interpose an (a) objection.
(a) I here was this issue of tweaking of states of the nerve roots. It's an op	BY MR. LINTON:
of agree that can occur. As a	[10] Q: You don't need to look at the exact
11) might also be called to use a medical term	[11] time. Assume that if one was of the opinion
12] instead of the more understandable laymen's term	12 during the first presentation that it was merely
13 it might be called a neuropraxia.	a tweaking of the nerve that caused the urinary
[14] Q: Bruising of the nerve?	14] tension, that would be incorrect?
A: No, praxia means a temporary nerve or	[15] A: You have to put yourself back into
[16] nerve root injury.	[16] 1996 in the emergency room.
[17] Q: How can one determine whether it's a	[17] Q: No. We know that that was wrong,
[18] neuropraxia versus external damage of the nerve?	[18] correct?
[19] A: Neuropraxia is going to resolve more	[19] MR. TORGERSON: I'm going to
[20] quickly.	IZO BY MR. LINTON:
[21] Q: But there is no way to know at the	[21] Q: I'm not talking about what he knew —
[22] time she presents to the ER whether it is a	[22] MR. TORGERSON: — interpose an a
[23] condition that will resolve or a condition that	[23] objection.
[24] will become permanent, correct, because as of	[24] BY MR. LINTON:
	and provident line of the grant providence of the star
and a second	(a) A set of the se
an a	and the second all the state of the second
s - <u></u>	
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[1] that point of time absent an MRI?	[1] Q: — or should have known. I'm talking
[2] A: As far as the bladder problem, true,	a about the facts.
3 but I think he could also use that in terms of	1 [3] The reality is it was not a tweaking
[4] the numbness. The numbness when he saw her in	[4] of the nerve that caused the urinary retention,
[5] the emergency room, meaning Spanner which would	[5] correct?
[6] be the first emergency room visit, the numbness	[6] A: I think it was valid as part of the
7 had resolved.	[7] differential diagnosis. I think it was — I
[8] Q: If you believe Dr. Spanner?	[0] think at this time it was a very real
[9] A: Correct. So my opinion that I'm	[9] possibility. But now with hindsight and in my
[10] conveying to you today is that the explanation	[10] opinion, as you know I have said, I believe that
[11] of tweaking or a neuropraxia for a transient	(11) the damage to the nerve roots going to the
[12] numbness I believe is valid.	[12] bladder was not a tweak but was permanent and
[13] Q: But you know he's now wrong?	[13] that it had been going on for 26 hours.
[14] A: I'm sorry?	[14] Q: Likewise, if the numbress had not
Q: You know he's wrong, it wasn't just a	[15] resolved, then that, too, was not due to a
(16) tweaking of the nerve?	[16] tweaking of the nerve but due to the disk
A: Well, you have to discriminate — no,	[17] herniation?
[18] I can't agree with that. To explain my answer	[18] A: Now, it could be both In other
(19) you have to discriminate what nerve is being	[19] words, a disk herniation could cause a tweak or
120] tweaked. Now, the nerve or the nerve root going	[20] a neuropraxia. So I think for the numbness that
21) to the bladder was permanently damaged, and	[21] was present and then resolved, tweaking or
[22] that's what I said in my report.	[22] neuropraxia was correct.
[23] Q : So there was no tweaking of the nerve	[23] Q: Assume it does not resolve, assuming
[24] as it relates to the bladder?	[24] the time she presented to the ER visit number 1
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 Page 149 (1) she, in fact, had perineal kneel numbness (2) still. If that's the case, could that still be (3) at that point simply a neuroptaxia or is that. (4) due to more serious damage to the nerve roots (5) caused by disk herniation following chiropractic. (9) manipulation? (7) A: It still could be a neuroptaxia at (9) A: It still could be a neuroptaxia at (9) A: It is neuroptaxia at that time, (10) isn't that all the more reason to get in there (11) and do surgery to relieve the pressure off the (12) nerve root? (13) MR. TORGERSON: Objection. (14) BY THE WITNESS: (15) A: No, that doesn' treally follow (16) logically because a neuroptaxia is a transient (17) definition the neuroptaxia is going (18) to resolve without surgery. Do you see what 1 (19) mean?So no. (20) BY MR. LINTON: (21) Q: Doctor, if the tweaking of the nerve (22) was part of differential and the cauda equina. (23) syndrome was also part of their differential, (24) isn't a doctor required first to rule out the 	 Page 15' (1) once again, go ahead and answer. (2) BY THE WITNESS: (3) A: What he did was his history and (4) neurologic exam, and the patient did not have (5) the manifestations of cauda equina syndrome. (6) BY MR. LINTON: (7) Q: You would agree that if he did not do (8) a neurological exam, that that, in fact, would (9) BY MR. LINTON: (10) Could then not have ruled out cauda equina? (11) MR. TORGERSON: Objection. (12) BY MR. LINTON: (13) BY MR. LINTON: (14) Q: Would it have been appropriate? (15) MR. TORGERSON: Objection. (16) BY THE WITNESS: (17) A: He did a neurologic exam. (18) BY MR. LINTON: (19) Q: How do you know that, Doctor? (20) I'm not going to ask you to take (21) sides. Assume that he did not. (22) A: I'm waiting for a question. (23) Q: Assume that he did not do a neurologic (24) exam, what did he do to rule out cauda equina
Page 150 [1] more serious condition that can be treated [2] surgically before he goes and makes the [3] conclusion it's simply a tweaking of the nerve? [4] MR.TORGERSON: Objection. [5] BYTHE WITNESS: [6] A: It depends on the individual [7] situation, and keeping it on <i>this</i> case, no, I [8] don't think he was obligated to do an MRI.I [9] already answered that. [19] BY MR. LINTON: [11] Q: what did he do to rule out cauda [12] equina syndrome from his differential? How did [13] he rule that out? [14] MR.TORGERSON: Objection. [15] BY THE WITNESS: [17] A: Cauda equina syndrome, I'll go through [18] this again. I hate tu beat a dead horse too. [17]	Page 15 [1] syndrome? [2] MR.TORGERSON: Note an objection. [3] BY THE WITNESS: [4] A: I've asked this many times, cauda [5] equina syndrome is a clinical presentation. She [6] did not have cauda equina syndrome. [7] BY MR. LINTON: [8] Q: So he was wrong to put that on his [9] differential, which one is it, Doctor? [10] You said you agree it should have been [11] on his differential. Now you're saying it [12] shouldn't be on his differential. [13] MR.TORGERSON: Objection. [14] BY THE WITNESS [15] A: I think the differential you could [16] make very broad. I mean, in your differential [17] you could include infection, leprosy.The [18] differential is big. [17] WR.LINTON:

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24]

21] Doctor?

[19]

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[23]

BY MR. LINTON:

Q: He used that term, Doctor, What did

MR. TORGERSON: Objection; this has been

[21] Dr. Spanner do to rule out the cauda equina

[24] asked and answered. But since it's been asked

syndrome that he had on his differential?

Q: Would you include leprosy here,

A: Well, I think leprosy might be a

Q: Would that be on your differential?

²³ possible cause of cauda equina syndrome.

BY MR. LINTON:

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[1] A: I was trying to answer a question by	[1] That doesn't say anything about the
[2] making a point. In a differential diagnosis,	2 lumbar disk, but it says — it speaks to the
13] you keep it — you keep it broad and you think	[3] fact of someone having cauda equina syndrome or
[4] about all these different things, but what you	[4] not.
[5] treat is the patient. The treatment that was	BY MR. LINTON:
[6] given putting in the catheter I think was the	
7) appropriate treatment.	[6] Q: Well, I think we're arguing over [7] semantics I understand they are very important
PDV X AVE 1 IN INC. 1	
	[8] to you. Hear me out, I understand that you're
	19 using a medical, technical definition of cauda
[10] catheter — assuming he did not do a neuro exam,	[10] equina syndrome. Let's call it lumbar disk
(1) how did putting in a catheter rule out cauda	[11] herniation.
[12] equina syndrome from his differential diagnosis?	[12] What did Dr. Spanner do to rule out a
[13] MR.TORGERSON: Objection.	[13] lumbar disk herniation during the first visit to
[14] MS. GORCNNSKI: Objection.	[14] the ER?
[15] BY THE WITNESS:	[15] MR.TORGERSON: Objection.
[16] A: You're asking me a question that	[16] MS. GORCZYNSKI: Objection.
[17] doesn't make any sense.	BY THE WITNESS:
[18] BY MR. LINTON:	[18] A: Same answer, he took the history of
[19] Q: Because what he did doesn't make any	[19] the patient and did the examination focused on
[20] sense, Doctor.	^[16] the problem that the patient came in with.
[21] MR. RUFF: Objection	
	17 T
[22] BY MR. LINTON:	[22] G. Now, assuming ite and not do a
[23] Q: If it's on his differential and he	[23] neurologic examination, did not check with
[24] doesn't do a neurologic examination, he hasn't	[24] pinprick sensation, did not do a rectal
an an an an a' fearth anns anns anns anns anns anns anns ann	elinado de Asola II. Alto da pelada y departa de altos. 20 de estado en la companya de la co 20 de estado en la companya de la co 20 de estado en la companya de la comp 20 de estado en la companya de la comp 20 de estado en la companya de la comp 20 de la companya de la comp 20 de la companya de la comp 20 de la companya de la comp 20 de la companya de
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[i] ruled it out. If he doesn't do an MRI, he	[1] examination, what then did he do to rule out a
[2] hasn't ruled it out; isn't that right?	[2] lumbar disk herniation?
MR. TORGERSON: Objection.	[3] MR. TORGERSON: Object to the hypothetical
[4] BY THE WITNESS:	[4] assumptions.
[5] A: No —	BY THE WITNESS:
[6] BY MR. LINTON:	[6] A: Same answer, he took the history and
Q: Let me ask it this way as the particular and the first of the	7] examined the patients extremities and did an
A: — he can rule out cauda equina	[1] examination that he thought was appropriate.
[9] MR. TORGERSON: Wait a minute, the doctor is	
[10] trying to answer one of your last several several several	
[10] cuying to answer one of your last several [11] questions.	[10] Q: But the appropriate examination for a
	[11] patient in whom you suspect a lumbar disk
	121 herniation as a possible cause of urinary
[13] A: He ean fule out cauda equina syndrome	retention is to do a rectal exam and to check
[14] simply with a question. Let me illustrate this,	[14] for perineal numbness, right? Isn't that what's
[15] cauda equina syndrome as we've gone through the	[15] required to do a proper exam?
[16] very beginning is a collection of different	[16] MR. TORGERSON: Objection.
[17] findings, okay. If those findings are absent,	[17] BY THE WITNESS:
(18) if a person does not have pain - really if you	[18] A: No, this patient was not even having
[19] come right down to it if you're talking about	[19] back pain, was not having leg pain. He would
20 cauda equina syndrome in the strictest sense, if	[20] have had to have been psychic to —
[21] you ask the patient, are you in pain, and they	[21] Q : To do a simple examination?
[22] say, no, you could make an argument for the fact	[22] A: — think she had a lumbar
[23] that the person doesn't have cauda equina	
[24] syndrome.	[23] radiculopathy or a lumbar disk herniation. This
[64] Бунціліца.	[24] was an unusual presentation for you want to call
	1 A second se Second second s Second second se

nekbeki H. ENGELHARD, M.D. April 25, 2001

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Page 157 (1) it a cauda equina syndrome. He did what was (2) appropriate. With hindsight we know that she (3) had to have disk surgery the next day. (4) Q: Would it have been unreasonable for (5) him to do a rectal exam and for him to do a (6) pinprick examination for sensation of the (7) perineal area? (8) MR. TORGERSON: Objection. (9) BY THE WITNESS: (10) A: Would it have been unreasonable? I (11) don't think the patient necessarily would have (12) liked it, but — (13) BY MR. LINTON: (14) Q: I think she would have liked it very (15) much, Doctor, if it had led to the diagnosis of (16) her disk herniation and led her to have an (17) earlier surgery that Dr. Bell, her treating (18) surgeon, said would have made a difference in (19) her outcome. I think she would have appreciated (20) that very much. (21) A That's a statement. I need a (22) question. (23) MR.TORGERSON: I don't think you can (24) respond to that.	MARK ZANNETTI, D.C., ET A Page 15 [1] MR. TORGERSON: Objection. [2] BY THE WITNESS: [3] A: I don't thirk it was indicated to [4] order it, [5] BY MR. LINTON: [6] Q: Assuming a doctor suspected a disk [7] herniation in a patient that has a 26-hour [8] history of being unable to void, what should be [9] done to rule that out from the differential [10] diagnosis? [11] MR. TORGERSON: Objection. [22] BY MR. LINTON: [33] Q: Full history, a full examination, and [4] assuming the examination shows persistent [5] that point would an MRI be appropriate? [7] MR. TORGERSON: Objection. [8] [9] A: Yes. [9] A: Yes. [9] A: Yes. [9] A: Yes. [9] C: If at that point the MRI showed a disk [2] herniation even if it was smaller than what was [3] shown on the second ER visit, would a [4] neurosurgical consultation be appropriate?
e o get grut franzis, keiter 	
Page 158 II BY MR. LINTON: II G: Would it have been unreasonable for II MR. TORGERSON: Objection; asked and II MR. TORGERSON: Objection; asked and II MR. TORGERSON: Objection. II MS. GORCZYNSKI: Objection. II BY THE WITNESS: II A: I don't think an MRI was indicated III BY MR. LINTON: III BY MR. LINTON: III BY MR. LINTON: III BY THE WITNESS: III BY THE WITNESS: IIII BY THE WITNESS: IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	 Page 160 [1] MR. TORGERSON: Objection, [2] MS. GORCZYNSKI: Objection. [3] MR. TORGERSON: Asked and answered. [4] THE WITNESS: Could you read that question [5] again. [6] BY MR. LINTON: [7] Q: I'll withdraw the question. Assume [9] that the MRI was performed during the first ER [9] visit and showed the same size disk herniation, [10] we can agree then a neurosurgical consultation [11] should have been done? [2] MR. TORGERSON: Objection: [3] BY THE WITNESS: [4] A: Let met make sure I understand the [5] question. So what you're saying is that if a [6] patient comes into the ER with all these [7] problems including the urinary retention, [8] including the history of back pain, including [9] the chirogmetic manipulation. [9] BY MR. LINTON: [1] Q: Let me just be clear so I can lay it [2] out for you. [3] A: Thanks. [4] Q: Presents in the ER with a 26 — strike

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(1) that.	[1] neurosurgeons would support coming up with a
Presents in the ER with a 26-hour	[2] figure such as 80 percent, 55 percent.
3 history of being unable to void following	[3] BY MR. LINTON:
4] chiropractic manipulation, the physical	[4] Q: Would support any figure?
[5] examination is performed and shows no rectal	A: It would not support a specific
of tone, shows perineal numbress, and MRI is then	[6] figure, that is correct. So that's an important
7] order which shows the same disk herniation that	n opinion to come out.
⁸ was shown when the MRI in this case was taken.	[9] Q: You've made a distinction in your
	[9] report and in your testimony today between the
	10] return of function or full function versus the
oj the first ER visit, then a neurosurgical	11] return of any function. With reasonable medical
1) consultation should have been obtained —	
2] MR. TORGERSON: Objection	12] probability wouldn't you expect there to be with
a) BY MR. LINTON	13] prompt surgery and, let's say, 35 hours versus
4) \mathbf{Q} : — correct?	14] 48 hours there to be the return of some
5] MR. TORGERSON: Objection.	15] function?
61 BY THE WITNESS:	IF] MR. TORGERSON: Objection.
A: If we see all those things, I would be the set of the second	17] BY THE WITNESS:
8] say, yes.	18] A: Well, with the bladder it's pretty
BY MR. LINTON:	19] much either working or it's not. You'd have to
Q: I interrupted you when you were going	20] ask a urologist exactly about trying to
through Dr. Spanner's deposition. Could you	21] quantitate it and if some medicines may be able
21 pick up when where you left off.	22] to help. For instance, you know, if Ms. Pikkel
A: I think I was done with it.	3] is still having some bladder problems today, I
4] Q: How about Dr. Bell's deposition?	241 don't know if she's on medicine for that. I
$x^{2} = -b_{1}$ (1) (2) (3) (3) (3) (4) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	and the second approximate state of a state of a state of a state of the state of the state of the state of the
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and the second	the second second second second second second second
a stand and a stand when an a stand a stand and	1. In the transmission of the second state of the second second second second second second second second second
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(i) A: Well, I've marked about probably 100	(1) don't know if she's been evaluated for that. I
pages on this. In prefacing going through these	[2] recommend she be evaluated for that to see if
3] depositions, you said that you assumes opinions	s there are some medicines that could help her
4) different than —	[4] situation. That's another opinion, that's
[5] Q: That's all I want to know about.	[5] true.
A: — Dr. Bell. So I would agree —	[6] BY MR. LINTON:
7) Q: I just want to make sure that there's	[7] Q: You didn't know that she was still
10] nothing in these tabs that is going to trigger	[8] self-catheterizing 10 to 15 times a day in order
in you a new opinion that we haven't covered	[9] to urinate? Do you recall seeing that in her
of during the deposition today.	in deposition?
2) this. Let me just see if there's going to be	12] 1999 or 2000. We'd like to take her deposition
any new opinions.	13] again, but I think you've resisted that:
4] MR. LINTON: Linda, I'm assuming you don't	14] MR. LINTON: I think the doctor also said
	15] that after 1999 he would not have expected any
5] have any questions or do you?	A. 1. 化过去分析电子过去分析量子的分析量子的合称等的分析电子的分析电子的分析电子的分析电子的分析。
	6 Inther improvement.
MS. GORCZYNSKI: I do not	ISI further improvement.
6] MS. GORCZYNSKI: I do not. 7] BY THE WITNESS:	^{17]} MR. TORGERSON: I'm not sure he did.
 MS. GORCZYNSKI: I do not. BY THE WITNESS: A: For instance, this could be an 	MR. TORGERSON: I'm not sure he did. MR. LINTON: With reasonable medical
 MS. GORCZYNSKI: I do not. BY THE WITNESS: A: For instance, this could be an important point. This opinion that if she had 	 MR. TORGERSON: I'm not sure he did. MR. LINTON: With reasonable medical certainty.
 MS. GORCZYNSKI: I do not. BY THE WITNESS: A: For instance, this could be an important point. This opinion that if she had been operated on 9-4.96 her chances of having 	17] MR. TORGERSON: I'm not sure he did. 18] MR. LINTON: With reasonable medical 19] certainty. 101 BY THE WITNESS:
 MS. GORCZYNSKI: I do not. BY THE WITNESS: A: For instance, this could be an important point. This opinion that if she had been operated on 9-4.96 her chances of having 	 MR. TORGERSON: I'm not sure he did. MR. LINTON: With reasonable medical certainty.
 MS. GORCZYNSKI: I do not. BY THE WITNESS: A: For instance, this could be an important point. This opinion that if she had been operated on 9-4-96 her chances of having recovered without residual bowel and bladder 	 MR. TORGERSON: I'm not sure he did. MR. LINTON: With reasonable medical certainty. BY THE WITNESS: A: If that, in fact, is happening that
BY THE WITNESS: A: For instance, this could be an important point. This opinion that if she had been operated on 9-4-96 her chances of having recovered without residual bowel and bladder problems with have improved to approximately 80	 MR. TORGERSON: I'm not sure he did. MR. LINTON: With reasonable medical certainty. BY THE WITNESS: A: If that, in fact, is happening that she is having to catheterize herself, you know,
MS. GORCZYNSKI: I do not. BY THE WITNESS: A: For instance, this could be an important point. This opinion that if she had been operated on 9-4-96 her chances of having recovered without residual bowel and bladder	 MR. TORGERSON: I'm not sure he did. MR. LINTON: With reasonable medical certainty. BY THE WITNESS: A: If that, in fact, is happening that

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[1] can be done to help that that would be done.	II of their availability to come and do the surgery
^[2] That's my opinion about that.	2 had they been called after her fist visit?
Dr. Bell on Page 75 answered that he	na MR. TORGERSON: Objection.
[4] had no problem with Dr. Spanner, I agree with	[4] BY THE WITNESS: A state of the state of
5) that.	[5] A: Well, I wouldn't give a blanker. answer
[5] that. [6] BY MR. LINTON:	f that I would defer to Dr. Bell. I'm just only
7] Q: I believe that's a mischaracterization	n pointing out an opinion that additional time
 [8] of his testimony. [9] A: Well, you guys can figure that out. 	[9] which you've recognized would have to be added
	[9] to any possible intervention. Would I defer to
[10] I'm just giving my opinions.	10 Dr. Bell, that would depend. You would have to
[11] Q: Did you continue reading on	1111 ask me specifically what I would defer to him
[12] page — strike that	[12] about. I've already admitted in this deposition
[19] Go ahead, Doctor,	nsy the way he did the procedure, I'm not critical
[14] A: Well, I want to draw attention to this	(14) that.
(15) time frame on Page 111 of Dr. Bell's deposition,	Pa BY MR. LINTON
[16] and this is something we haven't covered. When	[16] Q : He says he could be there within five
[17] she showed up in the emergency room on September	117 hours or certainly within seven hours, the same
[18] 5,1996, that would be the second time, it was	[18] time period as after the first surgery. You
(19) about a seven-hour time period between when she	ing would not disagree with that?
[20] came in and when the surgery was started.	[20] MR. TQRGERSON: Objection
[21] So I'm not being critical of that	BY MR. LINTON
[22] seven hour delay because as, you know, it's my	[22] Q: You don't have any factual basis,
	[23] would you?
[24] three hours, four hours it wouldn't have made	[24] A: Well, in Illinois you should really be

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[1] any difference in her long-term outcome.	[1] available to the ER in about an hour as a
But we have to realize that if it took	¹² neurosurgeon if you're on call. So if he was
[3] seven hours in the middle of the day on the 5th,	[3] saying I would get there in five hours, I don't
[4] I think it is very likely if you're coming up	[4] know if I could defer to that. That might not
5 with a theory in terms of any alleged injury,	[5] be appropriate. It might depend on the patient.
for that you would have to add that time period or	ISI Q: If you were the one covering this ER
[7] even more because it was late at night if you're	m on the night of the first ER, you would have
181 going to be thinking about when the surgical	181 been there in an hour if it was at one of your
[9] intervention was done if it was done the day	[9] local hospitals or at your university?
ng earlier.	10 A: No, I said that that's the time frame
BY MR. LINTON:	[11] in which we need to be available.
Q: It's not going to be done when she	[12] Q: To respond to a call?
[13] walks in the ER. You would, of course, defer to	[13] A: Right. So if someone had urinary
[14] Dr. Bell who was a 40-year — had a 40-year	141 retention, I probably wouldn't have been called
15] history of being a neurosurgeon in Cleveland and	[15] at all.
16] was the former head of the department there, you	[16] Q: Let me ask this way, just based on
17 would defer to Dr. Bell in terms of when he	17] your own clinicalexperience. best case scenario
18] thought he could come in and do the surgery had	^[18] you're called in covering for neurosurgery that
in he been called after the ER visit, would you	19] night, what would be the quickest you could get
20] not?	201 in and do surgery assuming it was indicated?
21] MR. TORGERSON: Let me object.	21] MR. TORGERSON: Note an objection. But go
22] BY MR. LINTON:	22] ahead and answer. A game about the provide state
23] Q: You don't profess the workings of	23] BY THE WITNESS:
[24] Meridia Hospital and Dr. Bell's group in terms	24] A: If the MRI had already been done. less

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1] than an hour.	[1] But on the other hand, if someone says, I'm
2) BY MR. LINTON:	[2] defecating on myself or my whole region is numb,
Q: Less than hour you could actually be	[3] I think that would have made it into the record
4) in the hospital or in the OR?	[4] so I'm giving that opinion.
 in the hospital or in the OR? A: In the hospital and in OR. 	Q: The standard of care required that if
6) Looking at Dr. Zannetti,	[6] there was complaint of numbress made by a
q Q: Actually, I don't care about	7] patient that should have been recorded in the
Dr. Zannetti. You're not offering opinions on	[8] record and you would expect that that would have
9 Dr. Zannetti.	[9] been recorded in the record, correct?
A: We'll leave him out. I did review	10] MR. TORGERSON: Objection.
1] Pikkel's deposition, and I found just a few	11] BY THE WITNESS:
e things. Really the fact that the pain was	12] A: If it was clinically significant. In
i different over any particular time, my opinion	(a) other words —
4) is that clinically that didn't really have a lot	141 EY MR. LINTON:
 of significance. Q: The pain being the severity of the several of the	15] Q: You're saying it would have been
Q: The pain being the severity of the manufacture of the	16] clinically significant in this case. I'm saying
7) backpain?	17] if, in fact, it was made
8] A: Yes. Lastand Based Ba	18] A: There's a difference between a little
Image: Q: Why would that not have clinical	191 numbness and, for instance, spinal anesthesia.
of significance in a case of disk herniation?	20] I think you can appreciate that.
A: Well, I think if back pain was present	21] If someone says, I'm a little numb
2] enough to be a complaint, that could have	22] back here, that might not be clinically
sj significance. But if back pain is a little	3] significant. If one says, my entire genital
41 better a little worse different in character	24] area has no feeling and I can poke it with a pin
Page 170	Page
Page 170 provided that that difference isn't radiating	Page [1] and there's nothing there, that's different.
a) down the leg for instance or may be associated	[2] That would have made it into the medical record
a) with another neurologic deficit, that didn't	[3] and that should have been in the medical record.
4) have a lot of meaning to me.	[4] Q : Standard of care would require that?
\mathbf{Q} : Assume that she actually has	[5] MR. TORGERSON: Objection.
e excruciating pain and also numbress through her	[6] MS. GORCZYNSKI: Objection.
7) mid section even before she goes to the	BY THE WITNESS:
^[1] chiropractic, would that suggest that she's	[8] A: I'm not an emergency doctor, but as a
starting the disk herniation or starting the	[9] neurosurgeon, I would have been interested in
of compression of the nerve roots even before the	oj that, yes.
1) manipulation occurs?	11] I note in her deposition, and this is
A: That would be more suggestive of that,	12] important, that she has not had as of the time
3] yes.	3] that this was done a repeat cystoscopy or
Another thing is if she had $- I$ don't	4 urodynamic study. I think if she's going to say
5] remember exactly where this is in her	5 she's permanently injured or to what extent
el deposition, but if she did have a very	6] she's injured, I think that should be done.
7] significant complaint of numbness, if that were	7] That's an opinion. Now whether it will get
al true, I think it would have been recorded by the	al done, I don't know.
	গ The only two things I've got left is
	10] Villarosa who really I had no criticism of what
oj room.	
网 room. 11 Q: You hope it would be recorded?	n he did, and I don't think anyone else did
and room.and Q: You hope it would be recorded?and Q: You hope it would be recorded?	11] he did, and I don't think anyone else did 12] either. The plaintiff's ER doctor, I'm not an
 Q: You hope it would be recorded? A: I gave you an opinion saving that a doctor can't put everything that he does into 	 1) he did, and I don't think anyone else did 2) either. The plaintiff's ER doctor, I'm not an 3) ER doctor. I'm looking at these opinions
	11] he did, and I don't think anyone else did 12] either. The plaintiff's ER doctor, I'm not an
 Q: You hope it would be recorded? A: I gave you an opinion saving that a doctor can't put everything that he does into 	 11 he did, and I don't think anyone else did 12 either. The plaintiff's ER doctor, I'm not an 13 ER doctor. I'm looking at these opinions

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Page 173	[1] school. In my internship I spent I think it was	Page 175
[1] disagree with some things. [2] Q: In all fairness then you're not in a backdase seed.	[2] two months in the emergency room just working in	•
[2] $Q:$ In all faitness then you're not in a second seco	(a) the emergency room . I actually moonlit or	1
[4] or deviated from the standard of care, are you?	[4] moonlighted in the emergency room during my	
	[5] mining working in the emergency room.	
	Then as I mentioned as a neurosurgeon	
	[7] myself or my residents get called about	
	^[8] emergency problems frequently. Saturday night	
[9] Q : You're taiking about this as a second sec	o is a primary example.	
MR.TORGERSON: Objection.		
11] BY THE WITNESS:	10 G : So you are able to testify then about 11 all issues as it relates to the standards of the standards of	
	[2] care provided by Dr. Spanner to Bonnie Pikkel;	
12 A: There's no doubt that I'mtalking 13 about it as a neurosurgeon, and the clinical	is that your testimony?	
14 issue in this case is neurosurgical or		
is causation, that's another medical term — I mean	BY MR. LINTON:	
16] a legal term, excuse me. 17] BY MR. LINTON:	16] Q: You've gone back and forth, Doctor, in 17] all fairness. You said, I can't defer to the	
Q: Let me ask it this way.	18] doctor because I'm not an ER doctor; but when	
MR. TORGERSON: You're interrupting him.	in you want to give an opinion favorable to	
MR. LINTON: I will interrupt him.	Dr. Spanner, then you say you are qualified.	
MR. TORGERSON: You will interrupt him.	I want to know, are you qualified	, s ta žr
22] MR. LINTON: I will.	27 MR. TORGERSON: Argumentative,	1100
23] BY MR. LINTON:	BY MR. LINTON:	
24] Q: Iwantvery simply do you or do you	24] Q: — across the board unequivocally to	
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en e	en ander i son de la servicie de la La servicie de la serv	
		Page 176
Page 174		Page 176
Page 174 [1] not know the standard of care that applies to an	[1] the standard of care by Dr. Spanner or are you	Page 176
Page 174 [1] not know the standard of care that applies to an [2] emergency room doctor like Dr. Spanner under	[1] the standard of care by Dr. Spanner or are you [2] not?	Page 17
Page 174 [1] not know the standard of care that applies to an [2] emergency room doctor like Dr. Spanner under [3] those circumstances when he saw Bonnie Pikkel?	 [1] the standard of care by Dr. Spanner or are you [2] not? [3] MR.TORGERSON: Argumentative, asked and 	Page 176
Page 174 [1] not know the standard of care that applies to an [2] emergency room doctor like Dr. Spanner under [3] those circumstances when he saw Bonnie Pikkel? [4] MR. TORGERSON: Note an objection.	 [1] the standard of care by Dr. Spanner or are you [2] not? [3] MR.TORGERSON: Argumentative, asked and [4] answer, mis leading. 	Page 170
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HERBERT H. ENGELHARD, M.D April 25, 200

BONNIE PIKKEL, ET AL v. MARK ZANNETTI, D.C., ET AL	HERBERT H. ENGELHARD, M.D April 25, 200
Page 177	Page 179
[1] Q: You're qualified and you're confident	[1] alleges that perhaps Dr. Spanner had fallen into
[2] that you know the standard of care that applied	[2] the trap of finding a possible explanation that
[3] to an ER doctor like Dr. Spanner under those	[3] was benign and talked himself out of ruling out
(4) circumstances?	[4] a more dangerous cause of the symptoms. He
UD TODOCDOON OI : contasked and	5 continues. I want to point out that I disagree
la answered	6 with that.
BY THE WITNESS:	[7] Q: Why do you disagree?
A: I can be an expert about that, of	[8] A: Because from my looking at the record
[9] course.	[9] and understanding what was going on with
[10] BY MR. LINTON:	[10] Ms. Pikkel at that time even separate from the
[11] Q: Have you ever been qualified in any	[11] issue of what Dr. Spanner said in his
[12] court to give expert testimony on the standard	[12] deposition, I don't think it was a matter of him
[13] of care as that applies to an emergency room	[13] talking himself, for instance, out of the
[14] physician?	[14] possibility of cauda equina syndrome. She
[15] MR. TORGERSON: Objection.	[15] didn't have cauda equina syndrome.
[16] BY THE WITNESS:	[16] Q: I think Dr. Yates —
[17] A: What does that mean being qualified in	[17] A: No talking out was necessary.
[18] a court?	[18] Q: I think Dr. Yates was saying there
[19] BY MR. LINTON:	[19] that on the differential was a temporary
Q: Has the court allowed you to testified	[20] condition versus a permanent condition that
[21] on that issue on the standard of care that	[21] could have been or would have been corrected by
[22] applies to an emergency room doctor?	^[22] surgery and that it was a mistake for the doctor
MR. TORGERSON: Objection.	[23] PO go with the temporary condition as opposed to
(24) BY THE WITNESS:	[24] the ruling out the more serious correctable
(1) A second se Second second seco	(a) Interprete the second of the effective states in a productive second inter- tion of the second states and the second states are stated as a second state state of the second states are specified as a set of the second states in the second states are second states are specified as a set of the second states in the second states are second states are specified as a set of the second states in the second states are second states are specified as a set of the second states in the second states are second states are specified as a second state of the second states in the second states are specified as a second state of the second states in the second states are second states are specified as a second state of the second states in the second states are second states are specified as a second state of the second states in the second states are second states are specified as a second state of the second states in the second states are specified as a second state of the second states in the second states are specified as a second state specified as a second state of the second states in the second states are specified as a second state of the second states in the second states in the second states are specified as a second state of the second states in the second states in the second states are specified as a second state state in the second states in the second states in the second states in the second states are specified as a second state state state state states in the second states in the second states are specified as a second state state state state states in the second states in the second states are specified as a second state state state state states in the second states in the second states in the second states are specified as a second state state state state states in the second states in the second states in the second states are specified as a second state state state state state state state state states in the second state state state states in the second states states in the second states in the s
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[1] A: I have given testimony, yes, in court	[1] condition; i.e., the lumbar disk herniation as
[2] about emergency room issues as they relate to	[2] opposed to a merely tweaking of the nerve.
[3] neurological surgery, yes.	[3] A: And in general if you're just try to
[4] BY MF?.LINTON:	[4] get my opinion, I disagree with his line of
[5] Q : Specifically whether an ER doctor met	[5] thinking.
[si or violated the standard of care of an ER doctor	[6] Q : Why is that?
[7] under those circumstances?	A: Mostly because she just had the
[8] A: Yes.	[8] urinary retention without the other things that
[9] Q : I'm sorry I interrupted you when you	[9] would make — but you've gotten this opinion out
[10] were going through the deposition.	[10] of me already, that part of it.
[11] MR. LINTON: You forgot your flaccid	[11] The emergency room doctor here
^[12] objection by the way.	[12] mentions on Page 91 — you know, I may have
[13] MR. TORGERSON: Once is enough.	[13] skipped a couple of flagged pages. Let me see,
[14] BY THE WITNESS:	[14] let me put those into the record, 86, 77.1
[15] A: You know, do you want me Po read the	[15] think that covers it.
[16] pages where I tagged Yate's deposition?	[16] It's talking about the neurosurgeon.
[17] BY MR. LINTON:	[17] This is an emergency room doctor expert talking
[18] Q: Yes?	[18] about the issue of the neurosurgeon dealing with
[19] A: 7.	[19] causation. So I want to point that out, that's
[20] Q: And if those represent any new	[20] why I can be involved here.
[21] opinions, please let us know.	[21] Q: So you can criticize him but he can't
A: 7, 10, 15, 34, 49, 56, 73, 76. Let's	[22] criticize you?
[23] look at 76 because I disagree with this, and we	[23] A: He can criticize me. That's for the
[24] might as well just get it out here. Dr. Yates	[24] jury to decide I guess and the court system.
	[10] M. Martin and S. Martin and S. Martin and M. Ma Antoni and M. Martin and M Martin and M. Martin and M Martin and M. Martin and M. Mart
	[1] A. C. M.
	The second se

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MR. LUNTON: Thank you. That's all the questions have at this time. [9] (MR) RUFET, Luda, nothing at your end? MR, RUFET, Luda, nothing at your end? [9] Willin and the the Courty of COCK), Sinte of [9] Willin and the the Courty of CoCK, Sinte of [9] The Sinter Sint and read it. [9] Willin and the the Courty of CoCK, Sinte of [9] Willin and the the Courty of CoCK, Sinte of [9] The Sinter Sint here read. MR, RUFET, Luda, nothing at your current? [9] Willin and the the Courty of CoCK, Sinte of [7] The Sinter Sinter of [7] The Sinter of the Courty of CoCK, Sinte of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of the Courty of CoCK, Sinter of [7] The Sinter of Sinter of CocK, Sinter of [7] The Sinte	TE EXEMPTER FOR A STATE FOR A STATE STATE AND A	Page 1
Iquestions I have at this time. IP IMR, CORRESON: Is that it? IP MS, CORCYNSKI: No questions. IP THE WITNESS: I better read. IP INR, TORRESON: Is the reports. B was your. IP old CV. October '98 CV, Cyour current CV. D IP is your file. Inarked D 1, D 2 and D 3 IP individual records from that file. I think that IP COVETS I. IP TURT THE DISTRCT COURT OF CUVAHOCA COUNTY, OHO IP COMMON MEASOURD IP INTHE DISTRCT COURT OF CUVAHOCA COUNTY, OHO IP COMMON MEASOURD IP INTHE DISTRCT COURT OF CUVAHOCA COUNTY, OHO IP COMMON MEASOURD IP MRIX COMMERT D. C. FT AL. IP INTHE DISTRCT COURT OF CUVAHOCA COUNTY, OHO IP COMMON MEASOURT A. IP INTHE DISTRCT COURT OF CUVAHOCA COUNTY, OHO IP COMMON MEASOURT A. IP INTHE DISTRCT COURT OF CUVAHOCA COUNTY, OHO IP COMMON MEASOURT A. IP INTHE DISTRCT COURT OF CUVAHOCA COUNTY, OHO IP	MD I INTON, Thank and That's all the	[1] STATE OF ILLINOIS)
INR. TORGERSON: Us that it? Index (Augustion and Construction of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the State of Court of the Court of Cock, State of the Cock, State of the Court of Cock, State of the Court of Cock, State of the Court of Cock, State of the		
MR. HUFF: Linds, inorthing at your end? IP With and for the County of Cook, Silie of Billion, and Cattled Schothand Reporter of Billion, and Cattled Schot	NO TOBOTROOM A LAND	
MS. GORCZYNSKI: No upstions. THE WITNESS: I better read. MR; COREENSON: Well torder it and read it. MR; COREENSON: Well the list of think that covers it. FURTHER DEPONENT SAITH NOT. I uncertainty of the set of the		
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(5) finding - injury

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ESQUIRE DEPOSITION SERVICE - CHICAGO Min-U-Script@

(7) manipulation - objection

EREMANDERE ER. EUNSPELFIAME, M.D. April 25, 2001

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