18 BARLOW & JONES P. O. BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685 κ. 1 THE CIRCUIT COURT FOR THE 2 TEENTH JUDICIAL CIRCUIT OF ALABAHA 3 X8.11 HOBILE COUNTY 5. 6 7' Ś 8 CHARLES WESLEY HINKLE, etc., et al., 9 : •÷ Plaintiffs, 10 vs. CIVIL ACTION NUMBER CV-80-001085 11 NOBILE INFIRMARY, 12 et al., Dcfendants. 13 14 15 16 The testimony of MULASHGALLEADERS 17 taken at Cunningham, Bounds, Yance, 18 3 Crowder & Brown, 1601 Dauphin Street,, 19 Mobile, Alabama, on the analysioner 20 11.1 14:8-5 21 connencing at approximately 9:00 o'clock, a.m. 22 <u>ب</u> 21 23

		P.O.B •MOBILE, A UOSI	W & JONES OX 160612 USAMA 36616' 476-0685
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	1		
	2	APPEAR	ANCES
	3		
	4	POR THE PLAINTIFFS: CUNN	INGHAH, BOUNDS, YANCE,
	5		NDER & BROWN RNEYS AT LAW
		1601	DAUPHIN STREET
	6		LE, ALABAMA
	7		ROBERT T. CUNNINGHAM, JR., ESQ.
	8		AND & TABOR RNEYS AT LAW
	9		EAST OHIO STREET ANAPOLIS, INDIANA
	10	•••	GORDON E' TABOR, ESQ.
	11		
	12	, 	
	13	Nobile Infirnary : ATTO	RNEYS AT LAW
	14		MERCHANTS NATIONAL BANK
	15	BY:	JAMES J. DUFFY, JR., ESQ.
	16		
			DECTR TROVEON DEFONY
	17	Estate of Dr. James CRC	RECHT, JACKSON, DEHOUY, ME, HOLMES & REEVES
	18	1300	RHEYS AT LAW
	19		BROOX G. HOLMES, ESO.
3	20	BY:	BROOX G. HOLMES, ESQ.
	21		
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<u>)</u>	23		
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	1		
	2	It is further stipulated that the original of	
	•		
	3	this transcript will be filed in accordance with the	
	4	provisions of the said Alabama Rules of civil Procedure.	
	5		
	' 6 [.]	It is further stipulated and agreed that'the witness	1
	7	hereto reserves the right to read and sign said	1
	8	deposition as provided for by said Alabama Rules of	ر. با
	o		
·····	9	Civil Procedure, -	
	• 10		
	11		
	12		
	13	I, Angelia Jones Coxe, Commissioner and Court	
· · · · · · · · · · · · · · · · · · ·	14	Reporter, certify that on this date, as provided by the	
	15	Alabama Rules of Civil Procedure, and the foregoing	
, ,	16	stipulation of counsel, there came before me at	
	17	Cunningham, Bounds, Yance, Crowder & Brown, Mobile,	
•	18	Alabama, on the 1st day of March, 1985, commencing	
	19	at 9:00 o'clock, a.m., ELIAS G. CHALHUB, M.D., .	
Tangan Tangan Tangan	20	witness in the above causer for oral examination,	1.1.1.1
	21	whereupon the following proceedings were had:	
••• چون ■	22		
	23	* **	-
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BARLOW & JONES P. O. BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685 1 ... ELIAS G. CHALHUB, M.D., 2 a service and the e e starter de la sectore d '1' The witness, after having first been duly sworn 3 to tell the truth; 'the whole truth;' and nothing "but the 4 , a a segueration in the second truth, was examined and testified as follows: 5 an a than the second for б . . EXAMINATION 7 8 BY MR. CUMNINGHAM: 3 State your name, please, sir. 10 0 Elias George Chalhub. -11 Α Dr. Chalhub, you just arrived here at our office a 12 0 few minutes a50 and I believe you were ushered into another 13 office by Mr. Duffy and Mr. Holmes and Mr. Leach and had a 14 ş conversation; is that correct'? ستعذه 15 That's correct. Α 16 What was the substance of that conversation? 17 Q 'They asked me if I had rend the records, prepared, Α 18 「またいのため R+_ and that's the substance... 19 20 Anything else? 0 Α No. 21 Did they ask you about any specific parts of the the 22 Q ÷., 23 record?

EARLOW & JONES P. O. BOX 160612 'MOBILE, ALABAMA 36616' (205) 476-0685 1 Δ No. Did they ask you what else you had read besides an sur part the hospital record? Α no. 4 So you were asked one question, and that is, 5 б. whether or not you had read the record and whether you were prepared? 7 41.11 8 No, I'm sure there were other questions. I mean, Δ ι. I can't recall every little thing that they asked. 9 Well, I understend. But it hasn't been 'but about 10 Q five ninutes ago: What elm were you asked? 11 Just various things, you know, whether I was 12 Α prepared, am I ready to give a deposition. you know, those 13 14 sort of things. 15 0 You told me about that question. What other 1 16 questions did they ask? 17 There weren't any other, Hr. Cunningham. Α 18 Q That's it? 1.2.2. A Pes. 19 0 Now, what is your opinion as to --20 I find I'm not - MR. HOLMES: Encuse me. 21 **6**2 . I need 2 yellow pad. prepared. 22 (Dff the record) 23

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. –		
	'1	MR. HOLMES: I'm sorry.
	2	IR. CUNNINGHAM:
	3	Q What is your opinion, Dr. Chalhub, as to the cause
	4	of Andy Hinkle's brain damage?
	5	A Do you mean in terms of what the event was, or.
	ti	what are you talking about?
	7	Q I mean what, in your opinion, vas the cause of his
•	8	brein damage?
	9	A Hhat brain what are you talking about in terns
	•	· · · · · · · · · · · · · · · · · · ·
· .	10	of the brain damage?
· · ·	11	Q 'Well, you know
	12	A Define the brain damage 'forme.
, <i>•</i>	13	Do you know what brain damage is, as a
	14	neurologist?.
	15	A Well, it's a general tern. But what type of brain
 	16	danage are you talking about?
•	17	Do you know what brain danage is?
	18	A It's a genera term.
	19	Q Did Andy Hinkle suffer brain damage?
•	20	A He had a certain type of brain damage.','
·		Q What type of brain danage was it?
	21	
<u>ن</u> ، ب	22	A He had a hyporic ischemic encephalopathy.
· · · · · · · · · · · · · · · · · · ·	23	Q All right. So when I
The second second		

BARLOW & JONES P. 0.SOX 160612 MOBILE, ALABAMA 36616. (205) 476-0685 . . . 1 Is that what you' re referring to? Α 2 So when I say what caused his brain damage, you and the second secon , 3 know what brain damage I'm talking about, because you know 4 what kind, he had, don't you? 5 • No, I know what I know it is, but I don't know А what you are referring to it as. 6. 7, I'm talking about the kind he'had. 0 Well, but I don't know whether you know that. 8 Α 9 Q Mell, you don't worry about what a know. You just 10 12 terms of the type of brain damage and I'll be glad to answer your question. 13 14 How many types did he have? 0 15 А I know that he has one type. - - - -16 Well, that's the type I'm talking about. 0 But there's nary types of brain damage. 17 Α I'm taking about the kind he had. 18 0 ¥ 1.1 Α I'm not trying to argue with you. 19 Okay. I want to answer your questions but --20 21 Q Weil, it sure seems like it. Now, that's not very 1 ٠, 22 difficult. 23 E MR. EOLNES: Don't badger the witness.

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	-	
	1	MR. CUNNINGHAM: Nobody's badgering the
	2	witness.
	3	MR. HOLMES: Well, I think you are.
	4	HR. CUNNINGHAM:
	5	Q I asked you what caused Andy Hinkle's brain
	6.	damage,. You know what kina he had. Now, that seems fairly -
	7	simple.
	8	A Wait a ninute, now. I 'asked - there arc many
a.	9	types of brain damage. It's like saying that people are
	10	sick. And if you want to refer to the type of brain damage,
	11	that's fine. If you want to ask me what type of brain damage
J	12	I think he has, then I'll be glad to answer that and then go
	13	on and answer your question,
	14	Q I'm going to ask you the questions' I want to 'ask,
с. А.	15	Dr. Chalhub.
.	16	MR. DUFFY: And he'll answer them if he can
÷	17	answer then.
	18	A I can answer then only if I can understana them,
• • • •	19	Mr. Cunningham.
	20	MR. CUNNINGHAM:
<u></u>	21	Q Iasked you what caused Andy Finkle's brain
3 2∼	22	damage, not somebody else's brain damage.
	23	A l'understand.
		11

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	1		
	Q	All right. What caused Andy Hinkle's brain	
2	damage?.	If you don't know, that's fine.	
3	A ·	I didn't say I didn't know.	
4	Q	Well, what caused it?	
5	A	I just asked you to further define your quest	ion
6.	so we coul	ld be specific and accurate.	•
. 7.	Q	Now, you have told me that you ermined him,	and
8	you know w	what kind of brain damage he had?	
9	A	Yes.	
10	Q	Right?	
- 11	Α	But I don't know what you mean by brain danage	e.
12	What I mea	an by brain damage is another thing.	
13	Q	I'm talking about the kina of brain damage th	at he
~ 14	had.	- · 1	
15	A	All right. We've already said — and I'll te	بر این ا
16	you what 1	I think he had. He had a hypoxia ischemic	
, 17	encephalog	pathy. And the cause of this hypomic ischemic	
18	encephalor	pathy was a cardiac arrest.	-
19	Q	Okay. Is there anything difficult about that	
20	answer?		
21	A	No. I'd just have to know what you are taking	ng ·
22	about.		?
23	Q	Well, when I say	
		1	2

EARLOW & JONES P.O. BOX 160612 BILE, ALABAMA 36616 (205) 476-0685 1 2 3 4 -- I'm talking about the kind that you have Q 5 6. described **him** as having. Okay? 7 But that's what I think. What you call Yeah. Α 8 brain damage is not necessarily what I do. If you are 9 talking about sonething else, then I went to know it. 10 I'm talking about the kina of brain damage that 0 11 you have described'. Okay? Can we agree to that from now on? 12 Okay. But you have asked me to describe it, Α And 13 I'm happy to do that. 14 · / -15 the brain damage? 'I think there are a number of possibilities. Α 16 17 All right. List then for cc, please. 0 18 Now, we're referring to the time that he vas at Ľ. the Mobile Infirnary in his room and on the 22nd at 19 after he had cone back from having a saphenous vein cutdown, and he 20 21 was in the room and he had suddenly arched his back, became 22 cyanotic and essentially had a cardiorespiratory arrest. 23 The cause of that, I think, are multiple factors,

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	1	one of which is probably a metabolic disturbance.
	2	Q Wait a minute. Now, let me be sure you're
	3	answering what I asked you. You told me that
n og som en s	4	A Well, that's what you asked me. Okay.
	5	Q Now, listen to my question, please. You told me
	6.	there were a number of possible causes of his cardiac arrest.
	7	Did I understand that correctly?
	8	A Probable causes.
. 1	9	Q All right. Probable causes. All I want you to 🐼
	10	is list those for ne.
	11	A But wait a minute. I have to answer the questions
	12	the way I want, not the way you want.
	13	Q Can you or can you not list the probable causes?
••••	14	A I can list them the way I can answer the question.
	15	Q Well, list then for me. Tell me number one.
	16	A The first probable cause is a metabolic
•	17	abnormality of either electrolytes or other body chemistries
	18	Q Metabolic abnormality of electrolytes or other
	19	body chemistries. Okay.
	20	A (Witness nods head affirmatively)
•	21	Q What's number two?
	22	A Wait a minute. Let me finish, okay? Resulting in
	23	a cardiac arrhythmia and cardiac arrest.
		14

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	1	2 What's number two?
	2	A Is a vasovagal response resulting in a severe .
	3	ustained bradycardia resulting in'a cardiac arrest.
	4	Vasovagal response resulting in severe what?
•	5	A Braducardia
	6.	Okay. Resulting in cardiac arrest?
etan 1 Takan	7	Yes.
····	8	Now, did you say severe prolonged bradycardia?
· · · ·	9	a Yes.
	10	F. HOLIES: I think you said severe.
•	11	A It has to be severe to a we accardiac arrest,
	12	MR. CUMMINGHAM:
••	13	Severe prolonged bradycardia, causing cardiac arrest?
	14	
	15	MR. EOLNES: I object. Your word was
_	16	prolonged.
• •	17	HR. CUMMINGEAM: He used the word. The record
	18	will speak for itself.
	19	MR. HOLINES: Prolonged was your word. He said
	20	severe.
• •	21	- MR. CUNNINGHAM: Le just said he used the word
	22	prolonged, too.
	23	A Prolonged — when I am talking about a prolonged
		15

		BARLOW E JONES P. O. BOX 160612 MOBILE, AUBAMA 36616 (205) 476-0685
e The second sec		
	ı	bradycardia, we're talking about one to two minutes.
	2	Q Okay. Well, all I'm trying to find out is did you
annel (1997) National National	3	or did you not use the word prolonged?
:	4	A I used the word.
	5	Q Okay. Vasovagal response resulting in severe
· ·	6.	prolonged bradycardia resulting in cardiac arrest?
	7	A Cardiac arrest.
•	8	Q Okay. Is that the end of number two?
	9	A Yes.
-	10	Q All right. What's number three?
	11	a It's possible anomalous coronary artery resulting
	12	in some type of cardiac stress or myocardial infarction
	13	causing the cardiac arrest.
-	14	Q Resulting in cardiac stress? '
	15	A Uh-huh.
-	16	Q Or whzt?
•	17	A Or myocardial infarction or ischemia to the
	18	myocardium resulting in cardiac arrest.
	19	Q Is that the end of number three?
*C: 	20	A Yes.
	21	Q All right. What's number Your?
-	22	A I think those are the only probabilities. Of
<u></u>	23	course, therh are multiple possibilities. But that's what I
		16

)		BARLOW & JONES P. <i>O</i> .BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
: :		
<u>x</u>	l	feel was the event which resulted in the cardiac arrest.
	2	Q You feel it was one of those three?
	3	A Yes,
	4	Q Okay. And which of those three do you think most
	. 5	likely?
-	6.	A Well, I think I nave listed then as one, two and
	7	three.
	8	Q In order?
	9	A Yes.
-	10	Q Okay. So you think number one io nost likely,
	11	number two 'is next nort likely, and number three is next most
	12	likely?
· · ·	13	A That's correct.
-	14	Q Now, when did you form that opinion?
	15	A That's haru to say. I mean, you know, this is a .
·_	16	case that's six years old. So I mean, I can't <u>tell y</u> ou
-	17	exactly when. I mean, certainly over the tiae that I took
	18	care of Andrew Hinkle and over the tine that I reviewed the
	19	recoras.
	20	Q All right. Over the time that you took care of
	21	him while he was at USA and at Mobile Infirmary?
~	22	A And subsequentiy.
	23	Q And subsequently? Ail right. And how long did

٦.		BARLOW & JONES
1		h
	1	you care for him after his discharge from USA?
	2	A I believe it was up until the following 1980.
	3	Q Okay'. Did you form these opinions before he was
	4	discharged from USA?
a.	5	A I'm sure I cid. I nean, 'it's 'hard to be specific.
	6.	I can't remember six years.
· · · · · · · · · · · · · · · · · · ·	7	Q Well, did you have whatever information you needed
8×* · ·	8	in order to form those opinions by the time he was discharged
•.	9	from USA?
	10	A Again, it's hard to be absolutely certain. I
	11	mean, there's been so nuch information acquired. And
	12	certainly, in reading other people's depositions that I have
	13	not had the opportunity to have talked to and to oee other
-	14	factors, but I you know, essentially my feeling has always
	15	beer, that the child had a cardiac arrest. And I feel that
<u>.</u>	16	these were the nost likely possibilities.
	17	Q All right. Eas it been your opinion for the same.
	18	length of time that the cardiac arrest was caused by one of
	19	these three?
-	20	A Yes. Certainly by nunber one.
	21	Q Okay. So you have had that opinion since the very
	22	beginning?
	23	A Yes
	_	
		18

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1	Q Okay. Now, tell me what you mean by netabolic
2	abnormality of electrolytes
3	A Well, when a child has gyloric stenosis they will
4	vomit. And they will vooit potassium and acid and chloride.
5	And they tend, wer a period of tiue, to become hypokalemic
6.	and also alkalotic. And this is the usual pattern.
. 7	This young man's electrolytes were as they were
8	drawn when he was admitted, were certainly within the normal
. 9	range, but on the borderline. It reflected an unusual
10	pattern that.one sees with pyloric stenosis; that is,
11	normokalemic and a slightly acidotic pattern, and not by any
12	means severely acidotic, just that he had a bicarbonate of
13	twenty or twenty-one and the nornal being twenty-four, so"
14	mildly, but a little bit unusual for somebody who would have
15	pyloric stenosis.
16	And this may reflect that he had lost considerable
17	potassium and may have reflected that he had lost some fluid.
18	And it does nake a situation in which the electrolytes are
19	not totally in balance. And it may not be reflected in the
20	serum chemistries, which means that: even though you obtain
21	them, you have to say that, yes, they are normal and you
22	proceed in that fashion.
23	But one always wonders what else could be going on

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	1	in the total body picture.
	2	Q Well, are the lab reports on admission normal or
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3	abnornal?
	4	A I'd have to say they are normal.
•••••	5	Q okay.
	6 -	A But unusual for that condition.
	7	Q All right. And in looking at those lab reports, we
** .**	8	you recognized that they were unusual for that condition; is
An	9	that correct?
	10	A Yes.
	11	Q All right. Nould you expect a pediatrician to be
	12	able to recognize that?
	13	~
-	14	A Yes. I'm sure they did. Q All right. And is there any treatment available
	15	for that type of unusual pattern?
	16	A No. They did The treatment would be exactly
• • •		
	17	the same. The electrolytes are essentially within normal
· .	18	limits. One keeps in the back of their mind that it's an
	19	unusual pattern. You watch them and you watch for changes
	20	over a period of time.
	21	Q All right. How do you watch for these changes?
\mathbf{X}	22	A Well, you'd repeat them in a reasonable period of
	23	tine, four, bix, eight hours, depending on how the child did.
		20

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Tanan ang ang ang ang ang ang ang ang ang		
	1.	7 I said unusual pattern, rather.
	2	A Unusual pattern now , let's clarify that again.
	3	I said unusual €or pyloric stenosis, but not abnormal, okay?
an al a the a the a an anna an anna an anna anna anna an	4	Not abnormal for a child that you would teke off the street
• • • •	5	and admit to the hospital-
	6.	Q . All right. Well, I'm talking about a child with !
	7	pyloric stenosis. Now, do you do anything different for one
	8	who has this unusual pattern than what you would do for one
· · .	9	that does not have it?
-	10	A No. It's taking one piece of information in a
.	11	complicated Clinical situation, You put it with your other
	12	factors, you evaluate it and then you proceed in a logical
	13	fashion
- * *	14	Q So you don't do anything different?
	15	A' Not anything different than was done with this
•	16	child, no.
•	17	Q Well, my question is, you've got two children with
	18	Fyloric stenosis just like this child. One shows this
	19	unusual pattern and one mes not. Is there any difference in
	20	the treatment?
	21	A It depends what's the other child?
\mathbb{Q}	22	Q The other child is within normal limits, but does -
	23	not know show this unusual pattern.
		22

-	BARLOW & JONES P. O. BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
1	Wait a minute, now. This child is within nornal
2	limits.
3	Q I understand that. So is the other one, but the
4	other one does not show the unusual pattern and this one
5	does.
6-	A Well, but if they're in normal limits,
7	then I don't see what the difference is. Now, the child with
8	pyloric stenosis, the usual run of the mill child, has a
9	hypokalemic, hypochloremic alkalosis. N
10	that child differently.
- 11	Io there any difference in the treatrent that you
12	would give to a child who came into the hospital with pylorig
13	stenosis who did not reflect this unusua pattern that Andy
- 14	had?
15	A You haven't given me all the parameters. Every
16	child with pyloric steno is different. One handles them
- 17	entirely different on a clinical basis.
18	Well, how do you handle this one then?
19	Just as he was handled. I've already told you
20	that.
21	All right. What did they do differently in this
22	case than they would have on the second
23	pattern?

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)	- -	BARLOW & JONES P. <i>O</i> .SOX 160612 'UOBILE. ALABAMA 36616 (205) 476-0685
	1 '	And I'm trying to find out if you treat that .
	2	inusual pattern any differently than you would if he didn't
· · · ·	3	have it.
	. 4	A Well, again, I'll say no. You'd treat it just as.
	5	these
• •	6:	2 Just the cane?
-	7	A As well, just as these physicians treated this
	8	particular case. Every single case <u>in medicine</u> is an
	9	individual case. You have to consider all of the factors.
_	10	You have to consider the age or the child. You
-	11	have to consider the condition, you have to consider the
	12	status. Then you practice medicine based on all of those
	13	factors. You don't take one isolated factor and treat it.
-	14	Q All right. Let me see if I can ask it a different
	15	way.
-	16	I want you to assume everything is the same, okay,
	17	and you have two children
	18	A Now we're talking hypothetically, unrelated
	19	to this case?
-	20	Q Exactly. sure.
	21	A Okay.
· · · · · · · · · · · · · · · · · · ·	22	Q That everything is exactly the same with the *** -
	23	exception of the unusual pattern that you see in Andy's case.
	-	

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BARLOW & JONES P. O.BOX 160612 "MOBILE. ALABAMA 36616 (205) 476-0685 Now, is there any difference in treatment? 1 2 I think he's answered that. HR. HOLHES: and the second I don't think I understand the question. **'**3 Α MR. CUNNINGHAM: 4 Well, you said everybody's different. 5 **I'm** trying 0 de tratte 6. to put then all the same with one exception, the unusual 7 pattern. 8 What is the other child's mattern? If this one --Δ 9 if they are the same except for 'the -- do they both have the unusual pattern? I don't understand your question. 10 11 so you say that whit was done in case was a 0 appropriate in every respect? 12 •. • 13 Α Po: the clinical data that was available, yes. All right. Well, is there any way to treat a 14 0 15 child such as Andy Einkle who went on to suffer a cardiac arrest, you think from this metabolic abnormality, is there 16 17 any way to treat then to try to avoid them arresting and 18 suffering brain damage? Not to my knowledge. Let me give you the analogy. 19 Α 20 It's just like somebody walking around with known coronary artery **disease**. You can't keep them in an intensive care 21 unit until they have a cardiac arrest. They suddenly have at 22 cardiac arrest because it happens. Nothing is particularly 23

abnornal.

1

2 ' They have an underlying condition. Ee's in the ... 3 hospital, **be's** having vhat **is being** done to treat the condition.' He has a complication which is totally 4 unavoidable, unforeseen and unpredictable. 5 And that is the cardiac arrent? 6... 0 7 Yes. Α а Well, is cardiac arrest from a netabolic 0 9 abnormality of electrolytes totally unpredictable end totally unforeseen? 10 In certain situations, it is, yes. In certain 11 Α situations, it's not. If the potassium was a level of one 12 point five, then they would be highly concerned and they more 13 than likely would have replaced the potassium. 14 You read Dr. McAtee's deposition, didn't you? 15 0 €! Yes, I have. 16 Α 17 All right. Do you degree with him that the child,-0 rras severely dehydrated on admission? 18 2 < . . That's a long deposition. Why don't we - you 19 Α know, let's get it out and talk whet you want to talk about 20 and which pages. 21 I'm talking about what I want to talk about. 27.27 22 0 Well, I don't -- you know 23 Α

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	1 ¹ 2 ²	MR. HOLHES: Show him which page. MR. CUNNINGHAM: No, I'm not going to show him
	2 ³	
	ح 4 ⁴	Did you read in the deposition where Be said that?
<u>,</u> , ,, ,	5 ⁵	Well, I reau a lot of things, Mr. Cunningham.
	6 - 1	I dian't ask you about a lot of things. I said -
	7	Wait a minute, now.
	8	aid you read in the deposition where he said
	9	that?
•	10	A Do I get to finish my answers or do I not?
-	11	Q Well, we're going to be here until michight unless
	12	you answer E y questions
	13	ER. WFFY: We won't be here until midnight.
-	14	MR. CUNNINGEAN: Yeah, we will:
	15	MR. DUFFY: We'll walk out of here right now.
7	16	MR. CUMMINGHAM: No, we won't.
	17	MR. DUFFY: We sure will.
	18	MR. CUNNINGHAM: He's not answering the
	19	questions.
	20	MR. DUPFY: This is my witness and I'll do as
	21	I please. Now, you've been harabeing him since you
\sim	22	askeā him his name.
24i	23	- NR. CUNNINGEAN: He has been evasive from day
		28

)		EARLOW & JONES P. 0.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
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	1	one.
	2	KR. DUFFY: He has not been evasive,
· · · -	3	IR - CUNNINGEAM:
	• 4	3 Now, I'm asking you a simple question.
	. 5	MR. WFFY: What he is trying to do is to
	6.	ovoid your putting words into the record and then having
-	7	them misconstrued.
	а	FR. CUNNINGEAM: He's trying EO avoid
	9	answering questions.
-	10	IR. DUFFY: He wants this record to read
I	11	properly
	12	HR. CUNNINGHAM:
	13	Q Did you or did you nor read in the deposition "
-	14	where Dr. McAtee said the child was severely dehydrated?
	15	A I'll have to say - there were so many entries,
-	16	and Dr. McAtee would say one thing, you would add more
-	17	superlatives and then ask him to agree. Sa show he exactly
	18	where you are talking about, and I'll be glad to comment on .
	19	it.
	20	I'm not trying to be evasive. I'm not trying to
	21	be difficult. I want; to be accurate, Mr. Cunningham.
~	22	Q My question to you, again, is, did you or did you
<u>.</u>	23	not read in the record of his deposition where he said
		29

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4		BARLOW & JONES P. O.BOX 160612 MOBILE. ALABAMA 36616' (205) 475-0685
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; .	ı	mywhere that the child was severely dehydrated?
••• •• •••	2	A I don't recall him saying that this child was
	3	severely dehyarated. I recall you saying that he was
	4	severely dehydrated.
	. 5	MR. WFEY: The first mention of it
	6.	HR. CUININGHAM:
	7	Q And you don't recall him saying it?
	8	A So if you will show it to ne
	9	MR. DUFFY: he said it was marked
	10	A I'd like to look at it and
-	11	NR. DUFFY: T dehydrated, markedly -
	12	debydrated.
	13	A then I'll go along with it. That's a four 'or
-	14	five hour deposition.
	15	MR. CUMMINGHAM:
-	16	Q I'm asking you a very simple question.
-	17	A That's a four or five hour deposition Ican't
	18	tell you everything without from memory. And this is not.
	19	a memory contest.
	20	Q I'm not asking you everything.
	21	A Well, yes, you are.
-	22	Q I'm asking you one simple thing, 🛹
-	23	A Well, then, why don't you just show it to me?

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BARLOW & JONES P.O.BOX 160612 'MOBILE. ALABAMA 36616 UOSI 476-0615

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. 1	we're not going to hang around here and continue this.
. 2	MR. CUNNINGEAM: I'll tell you this. I'm not
- 3	going to sit here all day and let him evade every
4	question I ask.
5	MR. DUFPY: We're not going to sit here all
6.	day, period.
7	MR. CUNNINGEAM: Ÿeah. Well, we'll sec.
8	MR. DUFFY: We sure will see.
9	MR. CUNNINGHAM:
10	Q Doctor, how many medical malpractice cases have
11	you testified in?
12	A Over what period of time?
13	Q Since the day you were born.
- 14	A By deposition or in court?,
15	Q In court.
16	A I testified in three cases last year.
17	Q <u>1984?</u>
18	A Yes.
19	Q All right.
20	A <u>Two</u> or three the year before. And I don't think; I
21	have been in -court other than that.
22	Ω All right. So when you say the year before, two
23	or three in 1983?
	A Starting the second se
and the same the	32

}		BARLOW & JONES P. 0.80X 160612 MOBILE, AUEAMA 36616 (205) 476-0685
ر - م .		
• •	1	A That's right. To the best of my knowledge. I
	2	mean, I can't be —
* . #*	· · 3	And to the best of your knowledge, you never
	4	testified in court prior to that time?
	5	A I nay have. I cortainly testified, you know,.with
	6.	child abuse cases and etcetera.
	7	Q Well, I'm talking strictly now about cases that
·:	8	relate to issues of medical negligence, whether it be a
	9	hospital, a doctor or writever.
_	10	MR. DUFFY: Where he's been involved as a
• *	11	treating physician?
	12	MR. CUNNINGHAM: No. No. Where he has
	13	testified in court, we're talking about right now.
· · · ·	14	IR. DUFFY: Well, I'm asking to clarify.
	15	A Sone or those arc treating physicians, Some or
	16	those are as other. I mean, I can't
•	17	Q Okay. All right, "- before '83?
	18	A I mean, I can't == I con't want to be held,
	19	know, absolutely accurate. I nean, that's within the range.
	20	Okay? It may have been, you know, one or two cases either
	21	way.
~	22	Q May have been one or two more or one or two less?
	23	A That's right.

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		BARLOW & JONES P. O.BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
	1	3 Okay. But none before 1983?
	2	A Again, you know, it may have been one. But
	3	certainly it's not any more than that, or two. Pou know,
	4	it's just you know, I just did not testify in court.
••	5	Q You what?
·	6.	A I just did not testify in court a great deal. d
•	7	I still don't testify in court a great deal.
	8	All right. Now, let's take thic 1563 cases. Tell.
	9	ne the names of those cases.
-	10	A I.really don't know them.
-	11	Q well, tell me the physicians involved.
	12	A I don't know those, either.
	13	Q Tell me the medical institutions involved.'
-	14	A Probably the University of South Alabama, and it's
	35	either Providence or Mobile Infirmary.
-	16	Q Tell ne the patients involved
7 :	17	A You know, you didn't ask me to cocc prepared to de-
	18	this. So i can't to be acccrate, I can't do it. I mean,
	19	- I'll tell you the ones in 1984 because I can remember those.
	20	Q Well, I'm going to talk about the ones in 1903
	21	right now. Do you know the names of any of those patients?
	22	A Bo, I really don't.
	23	Q All right. Tell me, did you testify in State
		34

•••		BARLOW 2 JONES P. O.BOX 160612 'MOBILE. AUEAMA 36616 (205) 476-0685
	1	Court or Federal Court?
_22.6	2	A I think they were all in State Court.
	3	All right. Who was the lawyer representing the
	4	medical provider?
	5	A Do you mean in 1983?
	6.	Q 1983 is what I an taking about.
	7	A Again, I can't to be accurste, I can't tell -
	8	you.
•	. 9	Q Was it anybody in Mr. Reeves firm?
Same of the second s	10	A I don't know.
	11	Q Tell me what the cases involved in 1983.
•	12	A Again, I don't know which ones they arc, Mr.
	13	Cunninghm. If I dia, I'd be glad to tell you. I have
• • •	14	nothing you know, no probla in telling you: I just con't
	15	know which ones they were in 1933.
-	16	Q You don't remember anything at all about them
	17	except that you showed up at the courthouse?
·	18	A 'I don't know which cases they were. So I can't
n. Ar	19	tell you the specifics. I'm not trying to be evasive. I
	20	just don' t know.
	21	Ω All right. For whom did you testify in those
\sim	22	cases?
<u> </u>	23	A The do you nean which side?
		35

•		BARLOW & JONES P.O.BOX 160612 MOBILE, ALABAMA 36616' (205) 476-0685
	1	Q Yeah.
	2	IR. HOLMES: Who was he called by?
	3	NR. CUNNINGHAM: He was getting ready to
•. •.	4	answer it, so apparently he understood what I was
	5	talking about.
	6.	MR. HOLMES = Wcll, I think there's a
•••	7	difference between being called as an expert ana a
•. ·	8	treating physician.
	9	MR _ CUNNINGHAM:
	10	Q Who did you testify for?
-	11	MR. HOLIES: Go ahead.
•	12	A Yeah. You know, again, since I con't know the
<u>·</u> ·	13	cases, I can't tell you whether I was the treating physician
-	14	or an expert. And I chink those cases were all for the
	15	der'ense.
	16	MR. CUNNINGHAN:
	17	Q Okay. And were you pic! for your testimony?
	18.	A Certainly.
• .	19	0 Who were you paid by?
•	20	A The attorneyc that recained me.
	21	Q Okay. Were the physicians involved, if any,
•	22	insured by the Nutual Assurance Society of Alabama?
~	23	A I'-don't know, since I can't tell you which the
-	- 23	

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)		BARLOW & JONES P. 0. SOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685 (405) 476-0685
	•	cases were.
	2	Q All right. But you testified for the defense on.
	3	those cases in 1983?
	4	A Yes.
• .	5	Q And I take it you testified that all the doctors
	6.	involved did everything right?
	7	A No, I don't know what-I you know, since I can't
	8	tell you the cases, I can't tcli you what I testified on.
	9	Q Well, do you -
	10	A I.mean, notody uses everything right.
-	11	Q Do you remember whether or not you told them that
	12	any or the local physicians involved in these cases were
	13	negligent in their treatment of the patient?
~	14	A If I was testifying for the defense, I probably
	15	did not say that.
	16	Q Okay. Now, let's take your 1984 cases. Let's
,	17	start with the first one. Tell me about that one.
	18	A That was a case of well, I guess that wasn't a -
_	19	thet was a products liability case of a polio vaccine in
-	20	which I testified for the plaintiff.
	21	Q A.products liability case?
	22	A Yes. It was a child who had received polio as a re-
• •	23	result of obtaining the vaccine:.
		P.O. BOX 160612 "MOBILE, ALABAMA 36616 (205) 476-0685
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···· ····	ı	Q All right. What I am interested in are medical
	2	malpractice cases.
**	3	A Okay.
	4	Q Now, tell me what medical malpractice cases you
	5	have testified in in 19843
	6	A I testified as a treating physician in the case of
	7	a gentleman with a trigeminal nouralgia.
	8	Q Who wits the defendant in that case?
	9	A The man it's a man iron Atmore. I can't
	10	remember his name.
-	11	MR. DUFFY: No, you
	12	MR. CUNNINGHAN:
	13	Q Was it a doctor?
-	14	A I'm sorry. The aefendant. Excuse'me. Robert L.
	15	White. Excuse ne. I vas confused.
	16	Q Ana who represented Dr. White in that case?'
	17	A I&. Defy.
	18	Q All right. Ana did you testify that Dr. White
	19	acted consistent with the standard of care in his treatment
•	20	of that patient?
	21	A Yes, I did.
°. ✔	22	Q What had happened to that patient?
-	23	A He had had trigeninaf neuralgia and had had pain
	-	

BARLOW & JONES P. O.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0683 Ι and was having a percutaneous procedure to relieve the pain. 2 And the pain apparently, you know, according to Dr. White, 3 shifted. And he did the side that he thought the pain was 4 an. 5 Actually what happened was he operated on the 0 6. wrong side, didn't be? 7 NR. DUFFY: That's not a correct statement. Move to strike it from the record. 8 MR. CUNNINGHAM: 9 Wasn't it the plaintiff's contention that he had 10 0 11 operated on the wrong side? 12 A That was the plaintiff's contention. 13 And you testifica that even if he did operate on 0 the wrong side, it didn't make any difference; is that right? 14 А No. 15 × 14 + -• • 16 Α I aon't think I said that, Mr. Cunningham. 17 18 MR - CUNNINGEAN: 75. . 4 What was the next case? 19 0 20 Α That was -- let's see. I think maybe it was two 21 cases instead of three. The next case was a child with 22 meningitis. $\frac{1}{2}$ >i. What was the name of that case? Q 23 39

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	1	A It was Brian Horton.
	2	Who was the lawyer that called you to testify in
	3	that case?
17.4 17.4	4	A Mr. Reeves,
	5	And did you testify in that case that the
•	6.	defendant physician treated the patient consistent with the
	7	standard of care?
	8	A Well, that's what the facts revealed. Ana in my
•	9	impression, that's what he aid.
	30	And that's what you testified to?
-	11	A Well, that's what the facts revealed.
	12	It was your opinion that that's what the facts
•	13	revealed; is that correct? -
-	3.4	A That's correct.
	15	Q Okay. And what was the condition of that child? "
	16	A The child expired.
•	17	Q From what?
	3.8	A Prom a cardiopulmonary arrest and shock.
	19	Secondary to what?
	20	a Secondary to sepsis.
	21	2 Secondary to what?
	22	A Well, I mean, bacteria in the blood.
	23	Okay. Did the child have meningitis?

·)·			BARLOW & JONES P. 0. BOX 160612 -MOBILE, ALABAMA 36616 UOSI 476-0685
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	1	Α	Yes.
-1	2	Q	Okay. What was the next case?
• (- - ¹ • e	3	A	I think that's all, to the best of my
	4	recollectio	on.
	5	Q	All right. Now, have you given depositions in
	6.	caees wher	e you have been called to testify that relate to
	. 7	medical na	lpractice? -
	8	A	Yes.
	, 9	Q	All right. How many did you give in 1984?
)	10	Α	Probably three or four.
	11	Q	All right. Tell me whet Cases.
	12	A	You know, it's going to be hard. I mean, I just
•	13	can't rela	te all these cases by memory. I mean, some of them
	14	are rclate	a to these court cases here.
· . ·	15	Q	The ones you gnvc ne of Dr. White end
	16	Α	And there are some of them were for plaintiff's
·	17	attorneys,	and sone of then were for defense attorneys. So 3
	18	can't	
÷.	19	Q	Which ones were for plaintiff's attorneys?
	20	Α	The well, maybe that was in that vas a case
	21	from Little	Rock, Arkansas.
i z	22	Q	All right. Who was the lawyer that consulted you?
<u></u>	23	A	Sidney McHath.
			41

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	1	2 Did you know him before he called you or before he
	2	contacted you?
- 1 4 2	3	A No.
•	4	Q All right. Mhcre ciid you testify?
	5	A Here in Mobile.
•	6.	Q By deposition?
	7	A Yes.
	6	Q All right. Ana did lir. Hollath represent the
	9	plain tiff?
	10	A Yes.
-	11	Q What were the allegations in that cast??
•	12	A There were allegations that the treating
•	13	physician, uno was an obstetrician, inflicted inappropriate
-	14	trauma on the delivering chila.
	15	Q Eav?
	16	A Well, by doing an inappropriate delivery.
۲	17	Q Well, vas it a forceps delivery or what was it?
	18	A Well, you know, I can't tell you all the
	19	specifics.
•	20	Q okay. Well, did you testify in that case that
	21	this coctor - was it a doctor in Little Rock or one down
	22	here?
	23	A Ithink in Morrilton, Arkansas.
		42

)		BARLOW & JONES P. O.BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
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	· 1	Q Okay. Had you ever been to Norrilton?
	- 2	A Yes.
	3	Q What was the occasion Lor you being there?
<u>.</u>	4	A I lived in Little Rock, Arkansas.
,	. 5	Q All right. Did you go to medical school there.or
	6.	just live there?
	7	A I was in charge of chila neurology at the
• et	8	University of Arkansas.
	9	Q Were you at the University or at Morrilton at
	10	the tine that the alleged event occurred in the case that you
1	11	are talking about?
-	12	A Yes
:	13	Q All right. Did you have anything to do with the
	14	care and treatment of that child?
•	15	A Yes
_	16	Q All right. What was your roll in-th <u>e care</u> ana
•	17	treatment of that child?
	18	A I treated the chila for the problems resulting
	19	from the injury.
	20	Q Okay. Well, were you called to testify on your
	21	follow-up care and treatment of the child, or were you called
<	22	to testify on behalf or the plaintiff that the doctor had or -"
	23	departed from the standard of care?
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		BARLOW & JONES P. 0.BOX 160612 'MOBILE. ALABAMA 30616 (205) 476-0685
· 	I	A I was called to testify on behalf of the plaintiff
, s ³ , s •∎ y ™ ™s g	. 2	that he deviated Iron the standard of care.
	3	Okay. And did you so testify?
	4	A Yes, I did.
	5	Is that case still pending?
	6.	A Yes.
	7	po you expect to testify in court in that case?
	8	A If it gets to court, yes.
	9	Did you know the doctor?
	10	A No.
-	11	2 'Bow nuch are you being paid in that case?
	12	A Our fees are standard. It's a hundred dollars an
_ '	13	hour to review charts and two hundred dollars an hour for
-	14	depositions.
1	15	Q How about for court testinony?
- -	16	A Same thing.
*	17	Q One hundred or two hundred?
	18	A Two hundred dollars.
	19	Q Two hundred? How much have you billed so far in
	20	that case?
	21	A I. uon't recall.
	22	Q Don't have any judgment at all?
<u>.</u>	23	A No. I mean, I can't, you know, run around with
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BARLOW & JONES P. 0.BOX 160612 •MOBILE, ALABAMA 36616 (205) 476-0685

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		······································
•	1	all of the cases and the figures and everything in my hend,
	2	Mr. Cunninghan. I just don't do that. Had you asked me to
	3	come prepared, I would hzve been happy to do that.
	4	Q All right. What was the other case you gave a
	5	deposition in in 1984?
• •	6.	A A case in Jackson, Mississippi.
	7	Q Who were you contacted by in that case?
	8	A By let's see. It's a firm I just drew a
	9	blank on his name. It's a large firm in Jackson. I'll think
	10	of his name in just a minute.
	11	Q Were you contacted by the plaintiff or by the
	12	defendant?
	13	A By the defencant.
-	14	Q And was the defendant in that cases a physician a
	15	hospital or what?
	16	A It was a hospital.
	17	Q What were the allegations?
	18	A The allegations word that the hospital neglected
	19	to observe a child who was a severely asphyxiated child and
	20	. that had byperbilirubinemia, hac an exchange transfusion, was
	21	in an intensive care unit and a catheter became dislodged.
	22	Q And what happened?
	23	A The well, the child lost a very mall mount of
		45

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	1	blood but then subsequently had a cardiac arrest which was
	2	unrelated to the blood loss.
	3	2 That was the opinion you formed after you .reviewed
	4	the record?
	5	A Yes.
• •	6.	Q I take it that the plaintiff had a different view
	7	or'that case than you did?
	8	A Yes.
19 E 34.	9	Q All right. But you did give a deposition?
	10	A Yes.
• -	11	Q Okay. What was the next woe2
	12	A I'm not sure there were any. There may be, but I
	13	just can't recall whether there were any other cases. I
-	14	don't co this very often, Mr. Cunningha;
- - -	15	Don't do what?
	16	A I'm in full time private practice.
· ·	17	Q Don't do what?
	18	A Give depositions very often.
	19	Q Well, have you given a lot nore in the last couple
Ϋ́, Ν	20	of years than you ever did before?
•***	21	A Pr'obably the same amount that I have always done
~~	22	over the yenrr.
	23	Q Oh, really? Well, I.thought you said you hadn't

	BARLOW & JONES
1	ever even testified in court before '83?
- 2	A 'I didn't testify in court, but I've given
3	depositions.
a	Q So you've given three or four depositions a year
5	for a number of years?
б.	A Probably six years.
7	Q Okay. And how many of those would be related to
8	medical malpractice cases?
9	A Three quarters.
10	O Three quarters of them? All right. Well, tell me
-	every ocher medical malpractice case, other than the Little
	Rock case, in which you have testified thzt a physician
 13	deviated iron the standard of care or that a hospital
- 14	deviated from the standard of care?
. 15	A Well, I've not given depositions in several.
16	Eowever, there are several plaintiff's cases which I have
17	given opinions in and will 'testify in.
18	Q I'm going to ask you &ut that in a minute. I
19	want to take it one step at a time. I'm talking about
- · 20	depositions now.
21	A I idon't believe there have been any others.
22	Q Okay. And you've never testified in court that as
23	physician deviated from the standard of cere?
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•		· · ·
	1	A They just haven't gotten to court.
	. 2	Q Is that all of the depositions you can recall in -
	3	1984?
	4	A Again, you know, since this is, you know, a
	5	discovery deposition one can be impeached with, I'll just
	6-	have to leave it, you know, the fact that I can't recall.
		Now, there may be some more. And if there are, then I'll
	8	stand corrected. I just, you know, can't remember then all.
	. 9	Q Wait a ninute. I didn't follow you. Since this
-	10	is a discovery deposition that you can be impeached with,
	11	what?
	12	A Well, my testimony can be impeached if I gave you
	13	an inappropriate answer or wrong answer. So I just want to
-	14	clarify the fact that since I cannot recall it, since I was
	15	not asked to come prepared, if there were one or the more or
•	16	one or one less, I don't want to be held responsible.
	17	Q Oh, I understand,
	18	Q That's what I'm talking about.
	19	Q I understand that,
. بزه	20	A Okay.
	21	Q All right. Well, you've told me all you can think
	22	of, at any rate, for '84; is that correct?
	23	A Yes.
		48

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ta t			BARLOW & JONES P. 0. BOX 160612 •MOBILE, ALABAMA 36616 (205) 476-0685	
		1	Q Now, tell me how many you can	think of that you
	£1 .	2	gave in '83 in medical malpractice cases?	Again, we're
		3	talking about depositions.	
•		4	A Again, I said the same nmber,	three or four:
	•	5	Q Three or four7 Okay. Tell me	vhat cases they
	•	6.	involve.	
-	••	7	A I really just.can't do it. I	don't know.
		8	Q Do you have records of this so	acwhere?
	•	9	A <u>If they are still pending</u> , the	n I do: If they're
) -		10	not, then I don't. We throw the files aw	ay .
•		11	Q 'So there would be no way for ye	ou or anybody else
•		12	to determine how many depositions you gav	e each year for the
•		13	last si:: years?	
:	-	14	A I told you how many. Three or	four per year.
		15	Q Yeah. But you told ne you may	be off a couple, 🦟
-		16	didn't you?	
•		17	A _ Ems it make a lot of difference	ce?
		18	Q It does to ne.	
		19	A Okay. No, I don't know that the	nere would be any
•		20	other way.	
		21	Q All right. All right. Now, to	ell me how many
\prec		22	cases involving issues of medical malprace	tice thrt you have
	==== = .	23	been consulted in? And let's take 1984 fi	irst.
				49

•		• BARLOW & JONES P. 0.SOX 150612 MOBILE. ALABAMA 36516 (205) 476-0685		
a				
	- 1	2	Did you express an opinion by report in that case?	
	2	ł	Yes, I did.	
	3	2	And what was your'opinion?	
	4	A.	That the physicians deviated from the standard of.	
	5	care in no	ot applying appropriate resuscitative measures.	
	6	2	All right. What lawyer did you deal with?	
• •	7	A	, I don't know. On6 'oh-his group.	
	8	2	Okay. And where was that doctor where does the	
	9	doctor pra	actice that you formed an opinion about?	
	10	A	At one of the Raiser-Permanente Hospitals, I	
-	11	bclieve, :	in California.	
	12	Q	California? Had you ever practiced at that	
	13	location?		
	14	A	No. 1 march	
··· ••	15	Q	Are you expected to testify in that case either 🦛	
	16	by deposi	tion or in court?	
	17	А	I suppose.	
	18	Q	Okay. Any other plaintiffs during 19847 😽	
	19	Ā	Not that I can recall.	
	20	Q	Okay. What defense attorneys were you consulted	
	21	by ?	· · ·	
··· · · ·	22	A	By Mr. Kecne.	
2 2	23	Q	Tonny Leene?	
X.		∼ }	-	

		BARLOW & JONES P. O.BOX 1606 12 'MOBILE. ALABAMA 36616 (205) 476-0685
-		
	· 1	A Pes.
	- 2	Q In Montgomery?
	3	A Yes.
	4	Q Did you give an opinion in that case?
 1	5	A In terns of a report?
	6.	Q Yeah.
	7	A No. I may have given-a verbal opinion.
	8	Q All right. What was it?
	9	A Let me see if I can remember the case. I really
	10	it's hard for me to remember enough about the case to give
-	11	you an accurate
	12	Q Well, did you tell him you thought the doctor
	13	deviated from the standard of care or not?
-	14	A I don't think I nave all of the records yet. So I
	15	can't tell you.
~ **	16	Q All right, What other defense attorneys?
₩ 1 \$	17	A Mr. Gene Stutts.
	18	Q there is he fron?
	19	A He's either fron Birmingham or Montgomery, one or
· .	20	the other.
	20	Q And what was your opinion about that case?
e*	21	A That case, again, was a neonatal infant case in
	22	which the child was had a low Apgar at birth. And my
······································	23	
		53

· · · · · · · · · · · · · · · · · · ·		BARLOW & JONES P. O. BOX 160612 "MOBILE. ALABAMA 36616 (205) 476-0685
2		- · ·
	1	opinion was that I did not know what caused the child's
	· 2	problems, but I could not see where there was any deviation
and the second s	3	fron any standard of care.
t'	4	Q Okay. What other defense attorneys?
	5	A Mr. Ton Stennis in Pascagoula.
•	6.	Q All right. What was the nature or' that case?
	7	A Incidentally, that was - I did give a deposition.
	8	in 1984. That's the one I could not remember, okay, with
	9	that case.
	10	Q With Stennis in Pascagoula?
-	11	A Right.
	12	Q Okzy. What was tnct case about?
•	13	A That case concerned a child that was had an
	14	absolutely normal birth, normal cham, vent home at three days
$\{ {\bf y} \}_{i=1}^{n}$	15	of age and had encephalitis at four months of age.
•	- 16	And the allegation was that this child - that the
•	. 17	obstetrician had delivered this baby traumatically, despite
	18	the fact that the child had Apgars of eight and nine, had
	19	normal exam, vent home at a normal time, had normal
	20	development up until four nonths of age.
• •	21	Q All right. And did you render an opinion that
	22	there was no deviation from the standard of care?
<u>ب</u> ح: 	23	A There wasn't any Yes.
		54

		BARLOW & JONES P. 0.BOX 160612 MOBILE, AUBAMA 36616 (205) 476-0685
<u>، ب</u>		
i na Tanang Langang	1	Q In your opinion, there wasn't any?
	· 2	A Yes,
	3	Q Well, in some of these cases some of these people
	4	<pre>con't sgree with your opinion] isn't that true?</pre>
	5	A I understand. That's true,
	6.	Q What other consults in 1984?
:	7	A I think that's it. If there is some more, Djust
·.	8	can't remember them right now.
-	9	Q How about 1983?
	10	A I'm sure it's the same number. But again, that's
-	11	two years ago. I just can't tell you.
	12	Q Well, ciid you consult with any Mobile deferne.
	13	attorneys in 1984?
-	14	A Only the ones I have told you about, Mr. Reeves
	15	and Mr. Durfy.
•	-16	Q All right. Those were the only ones?
4 5	17	A Do you mean in terms of cases? On, I - yeah. I.
	18	mean, I'm sorry. There is snother case of Bridgett Roberts,-
	19	but I've never given a deposition. I've consulted with Mr.
	20	Reeves in that case.
	21	Q What is that case about?
	22	A That's a child abuse case.
	23	Q Well, docs it involve medical malpractice or
		55

J. allegations of medical malpractice? 2 Yes. A Did you testify by deposition or just 2 Okav. 3 consult with him? 4 5 Α I think I just - I'm trying to -- I don't know 6 whether I give a deposition in that Case or .not. Who was the defendant "in that case? 7 Q Α Bertucci. 8 Did you testify in court in the case? 9 Q 110. Α 10 And you don't know whether you gave a deposition? 11 0 12 I can't really remember. I don't think I did in Α 13 thet case. Okzy. Any other Mobile atrorneys that you now Q 14 15 recall having consulted with in '84? • : 16 130 А All right. Now, you say you think you had about.-; 1: 0 nmber in 1963, consultations? 1: the 1 3 (Witness nods head affirmatively) -19 A 20 Q How many did you have with plaintifis' lawyers? I don't recall how many it were. A 21 <u>22</u> 0 Any? 23 Itm sure there were some. A you know, I mean if --

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)		BARLOW & JONES P.O. BOX 160612 '*MOBILE, ALABAMA 36616 (205) 176-0685
	1	if I don't know.
	- 2	Q Okay.
	3	Q 19821
•	4	A It's too far away.
	. 5	Q All right. Rave you had occasion to consult or
	6	review records for any insurance company on issues of medical
	7	negligence?
-	8	A Yes.
	9	Q What insurance company?
	10	A St. Paul's.
-	11	Q Arry other?
•	12	A No
	13	Q All right. How many times have you had occasion
-	14	to review records for St. Paul's?
	15	A Two occasions.
•	16	Q When were those?
	17	A Just either late 1984 or 1965
	18	Q And how did that come about? Who were you
	19	contacted by?
	20	A One of their claims representatives.
	21	Q All right. And did you submit reports on those
N.	22	cases?
	23	A Verbal reports.
		57

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		BARLOW & JONES P. O.BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685
•• • • • • • •	1	And did you conclude that there were any
ده. المراجع مراجع مراجع	2	deviations from the standard of care?
	3	A I think both of then, I don't have all of the
	4	information yet.
	5	Q All right. Any other insurance company that you
	6.	have consulted for involving nedical negligence?
	7	A No.
•••	8	(Are you on a committee of any insurance company
•	9	that reviews cases?
er/1994.	10	A No.
~	11	Q Do you-hold any position with any insurance
	12	company other than a3 an insured?
	13	A No.
·	14	Ω Either official or unofficial, any kind of
	15	capacity other than just being an insured?
-	16	A That's it.
-	17	Q Okay. Are there any other cases that you have
	18	been consulted on where you have been named as an expert
	19	witness by the defense, someone who they expected to call to
•	20	testify?
	21	A Isuspect only the Bridgett Roberts case.
	22	Q Okay. You aon't know of any others?
	23	A Well, I mean, if I dog. I can't recall then.
		58

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		BARLOW & JONES P.O. BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0605
	1	Q Okay. How about one over in Mississippi involving
	2	a spastic quadriplegic child who suffered from spinal
	3	meningitis, do you have a recollection about that?
	4	A That was the case that you were involved in. Yes,
	5	Q Yeah.
	6.	A But I didn't give a deposition. But I guess he
	7	was mamed in that case.
-	8	Q And you're expected to testiry in that case
	9	sometime in the future; is that right?
	10	A Inthought the case was over. But I - you know
	11	Q Well, if it's not over, do you expect to testify
	12	in that wse?
	13	A Nobody's contacted ne, so I don't know.
-	14	Q Okay. Have you ever had occasion to testify in .
	15	the State of Alabama that a physician who lived and practice.
-	16	in the State of Alabama deviated fron the standard_of care?
	17	A I don't think I have been asked.
	18	Q Well, have you ever done it, even though you may
	19	or may not have been asked?
	20	A No.
	21	Q All right.
~	22	A I mean, I'm Sure, if I were asked, and that was for
	23	the case, that I would have to give an honest opinion.
		59

)		BARLOW & JONES P. 0.80X 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
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• •	1 [,]	Okay. Do I understand, then, that if you were
• .	2	asked to testify against a doctor here in Mobile, and if you!
	3	were of the opinion after reviewing the records that that
	4	doctor had deviated from the standard of care, that you would
	5	have no hesitation whatsoever to testify?
	6	A That's correct.
	7	All right. Well, have you ever had occasion to
	8	bring pressure to bear either directly or indirectly against
	9	another physician who was expected to testify against a local
-	10	doctor?
-	11	A No.
	12	Q Never have?
	13	A No.
-	14	Q All right, sir. Have you ever gone to the
· .	15	superior of a doctor who was expected to testify against
• ;	16	another Nobile physician and had a discussion with that
	17	doctor's superior in an effort to bring pressure to bear on -
	18	that doctor?
	19	A No.
	20	Q Have you cvcr suggested to a doctor who was
**	21	expected to testify in a medical malpractice case against a
~	22	local doctor that it would not be good for his career to do $\mathbf{P}^{\mathbf{v}}$
····	23	that?
		60 ····

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• • •		BARLOW & JONES P.O. BOX 160612 •MOBILE, AUBAMA 36616 (205) 476-0685
-		
	1	A No.
	2	Q Never said that to anybody?
•	3	A No.
·	4	Q Okay. nave you ever conveyed fra one doctor to
•.	5	another doctor who was expected to testify against a local
•	6.	physician that he should understand that it would not be good,
. •	7	for his career to do that?
	8	A What are you referring to, Mr. Cunningha? :
· **	9	Q I'm asking you if you nave ever done that
	10	A The I think the case that you are referring to
	11	was in Judge Rittrell's court in which I vas accused of that.
	12	Eowever, we were investigated by the DA and there were no
	13	allegations made.
-	14	Q Well, my question is, did you ever do that?
	15	A No, I didn't.
-	16	Q You did not?
	17	A No. That's correct.
	18	Q All tight, sir. Now, have you ever expressed an
	19	opinion that medical malpractice cases should not be brought
•	20	by plaintiffs?
	21	A Do'you mean just in discussion or in print or
~	22	what?
	23	Q Just in discussion, or in print.
	Ê	61

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).		BARLOW & JONES - P.O.BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685
	1	A. No. I think everyone has the you know, the
2121 1895 - 1 1995 - 1 7	2	justified right to bring suit if they feel that there & as .
	3	been harm.
	4	Q Okay. And you've never made a contrary statement?
	5	A Not to my knowledge. I nean, I would do the same
•	6.	thing if I thought harm was inflicted on me.
	7	Q Okay. Have you ever made the statement that
-	8	lawyers who represent plaintiffs in malpractice cases were and
	9	destroying the medical profession?
)	10	A No, I don't think so. I think that honest,
-	11	conscientious lawyers that review case:: appropriately, there
	12	obviously is a place for that.
	13	Q So you've never made a statement to the effect of
-	14	that that I just nentioned?
	15	A No, not to my knowledge, no.
	16	Q Well, you smile when you say chat.
:	17	A llo, I'm not smiling.
	18	Q Okay. So you've never said that?
	19	A Well, not to my knowledge, no.
	20	Q Have you ever made a statement to the effect that
	21	lawyers who represent plaintiffs in medical malpractice cases
. m	22	are taking money out of the pockets of physicians?
~		
	23	A No.

		BARLOW & JONES P. O. BOX 160612 - MOBILE, ALABAMA 36616 (205) 476-0685
• ••		——————————————————————————————————————
•		
n an	l	Q Never made a statement to that effect?
	2	A No.
	3	Q Okay. When were you first contacted about this
	4	case?
· ·	5	MR. EOLMES: Do you mean for treatment or
•	6.	what? Do you mean for treatment or
•	7	MR. CUNNINGHAM:
	a	Q Let ne put it this way. When were you first
	9	contacted abut being an expert witness in the upcoming
	10	medical malpractice trial?
-	11	A Sometime in 1984.
	12	Q Okay. Who contacted you?
	13	A Mr. Dufry.
	14	
-	15	Q All right. Eow were you contacted?
•	16	A By telephone. Q Tell me the substance of the conversation.
:		
•	17	A He stated that I was the treating physician who
	18	took care of Andrew Einkle and asked me if I would review the
	19	chart and give him an opinion as to what I thought happened
· .	20	to the child.
	21	Q Okay. And did you review the chart?
X	22	A Yes, I did.
<u> </u>	23	Q Eow did you receive the chart?

•		BARLOW & JONES P. 0.BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685	
		-	
	l	A With copies from Mr. Dufry's office.	
	2	Now, that was when in 19643	
	3	A I'd have to go back and look at the exact	 I
•	4	suspect either in the spring or the summer of last year,	at'
•	5	the tine that it was apparently going to court before.	, **
• •	6_	Q All right. Now, prior to that time, how long	g had'
	7	it been since you had reviewed Aricy Einkle's chart?	
	8	A I guess since the fall of 1900 when he left	. go
	9	to Father Walter's Hae.	•, ••
	10	Q, So at least three years than?	
	11	A Yes.	
	12	Q After you had that initial conversation and g	got
	13	the chart, tell me what you next did.	
	14	A You know, I reviewed the chart and reviewed a	all of
	15	the depositions which accompanied it at that time.	.>
	16	Q What depositions did you review?	
	17	A I can tell you how many I reviewed up until t	oday,
	18	I don't know at that time how many you know, which or	105
	19	Q All right. Tell me what you reviewed up unt	i1
	20	today.	
	21	A live got my list prepared	
	22	Q Go anead.	ئ ەر ي
	23	A so we could be accurate. Francis Mason, 1	lell
-			

)			BARLOW & JONES P. O. BOX 160612 'MOBILE. AUBAMA 36615 (205) 476-0685	
-				
	1	Maisel, C	harles Lilly, Debra Ayres, Richard Glascoc, Sharo	n
	2	Gaston, J	essie Fogarty, Madelyn Bivins, Carmen Anderson,	
• •	3	Phyllis V	Vells, Peter Bertucci, Nancy Mitchell, Patricia	
	4	Wallace,	Yolanda Spicer, Shirley Roberds, Wesley Einkle,	•
	5	Debra Ein	kle, Carolyn Matthews.	
	6.	Q	John McAtee?	۰. د
۰.	7	A	John McAtee. Excuse me.	
	8	Q	All right. Now, which of those did you get nos	t
•	9	recently?		
	10	A	Well, the ones that were given most recently, Jo	ohn
-	11	NCAtee and	d Dr. Bertucci.	
	12	Q	Okay. So you had all the other ones back in 198	84
	13	when you •		
	· 14	A	I guess. I mean, i con't know which ones I Aaa	
	15	then or n	ot.	
	16	Q	After you reviewed those, what took place next	
	17	insofar a	s your contact with Mr. Duffy?	
	18	Α	I net with Mr. Duffy.	
	19	Q	المنافع بالمنافع المنافع ا منافع المنافع المنا منافع المنافع المن لمنافع المنافع المناف المنافع المنافع المنافع المنافع المنافع المنافع المن	2962
	20	A	Well, we discussed the case and I gave him my	
	21	opinion.	-	
Ĺ	22	Q	What opinion did you give hin?	6 .5
	23	Α	Well, the one that I expressed to you.	
	, 22	tilles and the		

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)		BARLOW & JONES P.O.DOX 160612 MOBILE. ALABAMA 36616 (203) 476-0685
12 15 15 15 15 15 15 15 15 15 15 15 15 15	1	2 Same one, two, three?
	2	A I don't recall whether it was one, two, three. We
teriorationalità nationalità Nationalità Nationalità	3	discussed a lot of the aspects of the case and but that
<i>.</i>	4	was the basic conclusion.
· : · :	5	2 All right. Now, prior to that time, I take it you
•	6.	had held the same opinion essentially?
•	7	A You know, give or take, you know, certain facta
	а	that were not present at that tinc. I mean, obviously, a .
•. 2	9	case continues to evolve. And as more facts come through,
('	10	one has to assess those.
	11	Q 'Well, did you ever prior to 1984 have on your list
	12	of probabilities something char. you haven't told ne about
	13	that you have now removed from the list?
· _	14	A You know, I don't know whether I did or not. I
	15	mean, my notes would have to reflect that. If I did, then
	16	obviously I've removed ~ E D.
	17	Q Well, tell ne what ocher probabilities you had on,
	18	your list at some other point in time, if you ciid?
	19	Ā I don't think .I .dia.
	20	Q Okay. Is there any other information that you
	21	felt like you needed in order to reach the opinion that you
Ĺ	22	have told me about?
····	23	A No. You know, I think that there was just more
	F	

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... • .

•		BARLOW & JONES P. 0.80X 160612 MOBILE, ALABAMA 36516 (205) 476-0685
-		
1977 1977 1979 - 1979 1979 - 1979	1	accurate observation in some of the depositions by the
	2	Binkles and by sone of the nurses which I just wasn't aware
	3	of because I didn't have an opportunity to talk to everybody.
	4	Was aspiration of barium over on your list?
	 5	A As a cause of this?
	6.	Q Yes.
- 24 s 1.	7	А Во
• •	а	Q Never has been?
	9	A No.
-	10	Q Okay. You never considered that as a possible
-	11	cause of this child's problems?
	12	A Yeah, certainly I considered it. But there was Ao
	·13	barium in the lungs.
-	14	Q Okay. So did you immediately rule that out as a
	15	possibility?
-	16	A Well, Imean, I think it is ruled out. If there's
•	17	no barium, there's no barium.
	18	Q by question is, did you immediately rule that out
	19	as a possibility?
	20	A Yes.
	21	Q Okay. So you thought about it then ruled it out
	22	because there was no barium in the films?
•	23	A Yes.
	- G	67

) · 		BARLOW & JONES P. 0.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-9685
	ı	2 Okay.
and a second sec	2	A Could we just take a short break for just a
	3	minute?
	4	MR. CUMMINGEAM: Sure.
•	5	(Short B real;)
•	б.	MR. CUMMINGEAM: How about reading back that
	7	last one for me.
	8	(Previous question and answer read back
	9	by the reporter.)
	10	MR. CUNNERGEAM:
-	11	Q Now, did you have any contact with any other
	12	attorneys about this case other than Mr. Duffy?
	13	a Yes. Hr. Holmes and Mr. Leach.
-	14	Q All right. When did you tail: with them?
	15	A Sometime during the summer.
. ·	16	Q All right:, Where did that conversation take
• ·	17	place?
	18	A In my office.
	19	Q All right. How did you happen to be talking to
	20	then?
	21	A Well, because they asked me if they could talk to
<u></u>	22	me.
	23	Q All right. Tell me the substance of that
		68

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; . ·		EARLOW & JONES P. O.BOX 160612 '-MOBILE, ALABAMA 36616 (205) 476-0685
• , . • •	1	discussion.
·· ·	2	A It was similar to Mr. Duffy. In fact, I think Mr.
	3	Duffy was at the same meeting.
	4	Q What do you mean it was similar?
	5	A Well, I mean, I expressed the same things.
	6.	Q Okay. Did you discuss the subject of whether or
	7	not the stomach should have been emptied of barium?
	8	A I don't recall that they asked ne that.
	9	Q Okay. Well, was it the standard here in Nobile in
	10	August of 1376, when you did an upper GI on an infant with
-	11	pyloric stenosis, to empty the successful of barium?
	12	A The standard by the radiologists?
	13	Q Yeah.
-	14	A The - you know, no, I don't think so. I think
•	15	that everybody I mean, there are multiple ways to do it., .
	16	And I don't think that there is any standard in terms of
	17	emptying the stomach of barium as long as it will go through.
	18	Q Okay. Have you ever expressed the opinion or made
	19	the statement that it was standard to empty the stomach of
-	20	barium?
	21	A Have I?
. .	22	Q Yes, sir.
· · · · · · · · · · · · · · · · · · ·	23	A NO.
5	=;	that and and a second

; · .			BARLOW & JONES P. 0.B0%160612 Mobile, Alabama 36616 (205) 476-0685
••••••••••••••••••••••••••••••••••••••			
en 	1	3	Never have said that to anybody?
2. 2. 1 2.	2	Α	NO.
•	3	5	Okay. And you never have talked to any other
	4	lawyers ab	out this case?
. • .	5	Α	NO.
	6.	Q	At anytine?
	7	A	Not to my knowledge.
	8	(Okay. When dia you first see Andy Hinkle during
	9	the course	of his care and treatment?
]		A	Can we get the I'd just have to be accurate
- 1	.1	about the (date. Can we get that?
1	L2		MR. CUNNINGEAM: Have you got a set be can
1	L3	look a	at?
.]	L4	Α	8-23-78
1	.5	Q	And how diu you have occasion to see Andy on that .
נ	.6	date?	
]	L7	A	I was asked to see hin by one of the physicians, _
. 1	L8	whether	I think it was Dr. Roberts or Dr. Erwin. I can't
1	L9	remember.	يرجم شرون
	20	Q	Okay _
	21	A	We could look at the orders if you want.
.	22	Q	Prior to that time, had you seen him at all?
	23	A	No.

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10 (2). A. 111	1	Q Badn't been involved in any way in his care
2.50 N. (1994) E-19	2	and treatment prior to that time?
	3	A Not to my knowledge.
	4	Q At the time you were consulted in this case, did
	5	you have any conversations with the treating physicians
• •	6.	concerning the events surrounding his cardiac arrest?
	7	A Again, that's six years ago. I don't know whether
	8	they called me on the phone and told ne what happened or
• • •	9	whether it was a consult written and I vent to the hospital.
-	10	I really can't recall.
-	11	Q Okay.
	12	A I Dean, I know I talked with then afterwards. I
	13	saw the patient.
-	14	Q Okay, Do you recall discussing with any of the
	15	treating physicians the subject of laryngospasn?
-	16	A You know, I'm sure, since that was a
	17	consiaeration, we aid discuss it. You know, again, I can't -
	18	recall specifically.
	19	Q What roil, if any, in your opinion, did
	20	laryngospasm play in this child's arrest?
	21	A What do you mean by what roll?
	22	Q Did it here anything at all to do with it? Did he
	23	have laryngospasm?
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	1	A NO, I don't think Le panifested any of the
	2	clinical manifestations of laryngospasm.
	3	Q Okay. Is laryngospasm caused by a metabolic
	4	imbalence of electrolytes?
and and a second se The second se The second se The second sec	5	A Yes, I suppose it can be,
	6.	Q Okzy. And if it is caused by that, what course
	7	would you expect to sae the laryngospasm to take?
	8	A Are we talking hypothetically, unrelated to this
34 1975 20	3	wse, just ordinary laryngospasm?
	10	Q Yech. Caused by metabolic imbalance.
d .	11	A Okay. Which metabolic imbalance are you referring
R	12	to?
	13	Q Netabolic abnormality of electrolytes like the one
	14	you believe caused this problem.
17489772 T	15	A No, it doesn't do that.
7	16	Q Doesn't do that?
•	17	A Hypokalcemia can cause a laryngospasm, but this
	18	child didn't have hypokalcemia.
'	19	Q Okay. So the kind of netabolic abnormality that
	20	you told me abut earlier you would not expect to produce
	21	laryngospasm?-
, - - _	22	A No. otr
	23	Q Eow you aboot vasovagal response resulting in
		72

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	1	severe prolonged bradycardia, would you expect that to
	2	produce laryngospasn?
	3	A I wouldn't expect it. But I mean, if it's stated
	4	that it occurs, I suppose anything is possible.
	5	(Okay. How about a possible anonalous coronary
	6.	artery resulting in cardiac stress or myocardial infarction,
	7	would that produce laryngospasm?
	8	A No.
	9	C All right. Now, why word you called in to see
-	10	Andy?
-	11	A 'Because the child had suffered a cardiac arrest
	12	and had was having seizures anti was constone.
	3.3	Q And did you say that the type of brain damage he
•	14	had, in your opinion, was anoxic encephalopathy?
	3.5	A Yeah. I believe I used that term. And I use a De
-	16	number of other terms interchangeably, hypoxic ischemic or
-	3.7	hypoxic.
	18	Q Tell ne what the tern anoxic enceptal opathy means.
	19	- A It means lack of oxygen going to brain, and often
,	20	lack of blood flow, resulting in a diffuse involvement of the
	21	central nervous system.
· . 	22	Q All right. Did Ancy, in your opinion, suffer a
<u> </u>	23	respiratory arrest?

BARLOW & JONES P. O. BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685 1 Α They usually go hand in hand, yes. Did he suffer cardiac arrest before or after the 2 0 respiratory arrest? 3 Well, that's a difficult question. But by taking 4 Δ 5 and putting all of the pieces together with the family's 6. observation and the nurses observation, my opinion is that he suffered a cardiac arrest then a respiratory arrest. 7 а And when he suffered the cardiac arrest, . Okay. 9 would that mean that the heart would not be pumping blood 'to' the brain? 10 That's correct. 11 Α 12 Ail right. Under that circumstance, how long 0 would you expect it to take to proauce the kind of brain 13 14 damage that he had, in an infant like Andy? So we're talking about Ancy? 15 A 16 Q Right. 17 Correct? And in this situation, you know, I don't Α 18 think there are any absolute figures, Mr. Cunningham. All ve Ķ 19 can do is extrapolate fron animal data. And young children 20 and young animals can sustain periods of hypoxia and ischemia 21 for an extended period of time without necessarily having - يودقو permanent brain damage. 22 23 The -- so, you know, it's not a similar situation

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1	as to adults. Now, whether it's five minutes, ten ninutes,
2	twenty minutes, again, it depends on the mount of blood
3	flow. It depends on the mount of lack of oxygen. It just
4	depends on a number of variable factors.
5	Regardless of the mount of tine which in this
6:	case, it has to be more than a - you know, second or
7	minutes, because young infants can tolerate it a great deal
8	longer. And, you know, the animal data which is extrapolated -
9	and I think the best study is by Mr. Dufry and - I mean Dr.
10	Duffy and Dr. Venuchi - no relationship - in which
11	newborn rats can tolerate periods of hyponia by breathing
12	nitrogen up to twenty minutes.
13	And while you can't necessarily extrapolate animal
14	data to human data, we can make sone correlation.
15	Q Okzy. Well, I understand you can't be exact, Is,
16	there a range that you would give?
17	A You know, again, it depends. There's no way to
18	know, because you don't know how much lack of blood flow and
19	how much lack of oxygen occurred and over what period of
20	tine. Whether, for emample, in this particular situation,
21	had he been become brady cardic for several minutes, okay.
22	And then the first clinical manifestation would $\prec_{\mathbb{R}_{n}}$
23	have been a cardiac arrest, because they don't necessarily
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•	s •		BARLOW & JONES P.O. BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
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		1	stop breathing. So that may well have been the case. And it
		2'	ary have been three, four or five minutes.
:	· · · ·	31	The 'other situation would be that he had a cardiac
		4	arrhythmia. It takes anywhere from, you know, a minute to
		5 ⁱ	two minutes to have lack of blood flow going to the brain.
		6	Whether that results in permanent 'brain damage depends on how
		-7'	quick the resuscitation occurs.
		8 ³	Q All right. Well, if you have a prompt
	`	9)	resuscitation that's properly done where you've had
	- <u></u>	10)	bradycardia in a child like Andy, less say for two ninutes,
	-	11 [.]	with a cardiac arrest, would you expect to see brain damage?
		12 [!]	A You certainly can, sure.
		13	Q All right. Would you expect to see it to the
	►.	14	extent that Andy had at?
		15	A Yes
		16	Q All fight. And that statement would be supported
•	,	17	by the literature, I take it?
		18	A Yes.
		19	Q Okay. How much tine, in your opinion, elapsed
		20	between the tine of Andy's cardiac arrest and the tine that
		21	Andy suffered the anomic encephalopathy?
<	~	22	A Now, the anoxic encephalopathy is the term
	 •	23	referred to the clinical condition at a period of time after
			76

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e - - -		
•	I	two os three ninutes of bradycardia then an arrest and an
	2	immediate prompt and proper resuscitation, tell me how that
• .	3	infant suffers severe brain danage?
	4	A Okay. So you're asking what the mechanism is that
	5	occurs?
•	6	Q Yeah.
	. 7	A Okay. Well, you know, if it's my hyporia, okay,
<u>.</u> .	6	or just lack of oxygen, then it would be unlikely that that
•	9	would have occurred in this case. And
and determined as	10	Q That what would have occurred?
· •	11	A That there would have been any significant brain
	12	damage. But most certainly and we have it verified in
	13	here chat the child suffered ischemia by the subsequent brain
	14	damage. And that's lack of oxygen and blood flat - and
	15	that's the key = going to the brain:
	16	When the blood flwdoes not go to the brain for
•	17	even s period of one, two, three ninutes, then the brain
	18	suffers irrepairable damage. And that irrepairable damage $i\hat{s}$
	19	when the endothelial cells of the blood vessel swell. And
•	20	then there's extracellular potassium which also contributes
,	21	to the swelling. And then the glial cells swell, and you
~	22	cannot re-establish blood flow even if you are there pumping
	23	on the heart or giving any type of extra cardiac support.
		78

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1	It's called the No Reflow Phenomenon of Ames. And
2	it's a very common situation. And that accounts for why some
3	people who have suffered cardiac arrest who appear to have
4	paramedics there or competent people there and they do an
5	appropriate resuscitation cannot necessarily make a person
6	free of injury.
7	Q Well, now, let me be sure I understand what you
8	are telling me. Is it your testimony that he suffered the
9	brain damage after the resuscitative effort and after his
10	heart rate had been established?
11	A No. I mean, you suffer the injury to the brain -
12	and let's again be specific - the hypoxia and ischemia,
13	causing the brain, not just I don't like the term brain
- 14	very much.
15	Q When did he suffer that injury to the brain?
16	A When he lost the oxygen and the blood flow to she
17	brain, when he had his cardiac-arrest.
18	Q All right. Well, doesn't that have to persist for
19	sone period of time before it causes damage to the brain?
20	A Yeah. It's variable. It did persist for some
21	period of time.
~ 22	Q Okay. And I believe was the range you gave the company of the second secon
23	earlier Isthought you used the term up to twenty minutes?
	79

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£1. BARLOW C JONES P. O. BOX 160612 MOBILE. ALABAMA 36616' (205) 476-0685 That's in rats. 1 Α 2 0 Well, how about in people? 3 I don't think we know that. All we can do is Α correlate it. I can tell you from twenty years of practicing 4 neurology and seeing babies, seeing hypoxic ischemic 5 6. encephalopathy, 'that it can occur anywhere from one 'to two minutes up to twenty minutes to thirty minutes. 7 Again, it depends on the host, the situation and 8 a number of other factors. And if you had all those numbers 9 10 you could plug in, I could give you a specific answer. But we don't know-when people have cardiac arrest, such as in 11 12 this case, it's not anticipated. 13 14 15 to see brain damage, if not resuscitated, within X number of . 16 minutes? 17 Α No, not that I know-of 18 Q You wouldn't expect to see that anywhere? 19 Α I'm not aware of that data. 20 Q Is there such a range given in adults? I mean, there's always a range. But I don't think 21 Α there's any textbook that will tell you if X perron is 22 <u>نه د</u>ه 23 without oxygen and blood flow for a period of time what type 80

BARLOW & JONES P. O. BOX 160612 'MOBILE, ALABAMA 366**16** (205) 476-0665 14 of brain damage hc suffers. I don't know of that text. 2² Q Will the textbooks give you a range where a personⁿ</sup> 33 suffers anoxia for X number of minutes, you can expect to see . . 4 brain damage? 5[;] Not just anoxia. If you want to say! Α Not anoria. 6². just anoxia, then fine. It may be five, ten, fifteen, twenty . I -7' minutes. But if it's anoria and ischemia, then it's a much 8 shorter period of time. 9) Then explain to me the difference between Okay. 0 10 anoxia and ischenia. 11 . Okay. We'll do it one more tilic. Anoxia is lack Α 12² of onygen going to the brain. Okay. Ischenia **is lack** of 13 blood flow. And those are two very different things. You 14 can be hypoxic or anoxic vithout being ischemic, such as 15[;] people with chronic obstructive pulmonary disease.' 1.... 16; Well, okay. In your judgment, was -- Andy's 0 17 cardiac arrest produced ischemia --183 A Yes. ~ . 19^{2} and anomia? 0 20 Α Yes. Okay. Well, if the heart rate is immediately 21 · 0 22[‡] restored, doesn't that relieve the problem of ischenia? 23 ¹ Well, yeah. It relieves the problem, but the А

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•	-	
	l	damage had already been done. That damage to the endothelial
	2	cells io unpredictable.
,	3	Q Is that done immediately, then?
	4	A Yes, it is. Bow, some children ana sone
•	5	individuals may not have the response another individual
· •	6.	doer. Me don't know what makes that biological variability
	7	It's like an individual that has a heart attack and he's for
	8	resuscitated successfully, and the next person in which they-
	9	do exactly the same thing is not resuscitated successfully.
	10	I don't know how to tell you what the difference is,
~	11	Q All right. Do you have reported cases in the
	12	literature that you are familiar with where a child with
	13	pyloric stenosis suffers a cardiac arrest and is immediately
-	14	resuscitated, properly resuscitated, and suffers the kind of
	15	brain damage Andy did?
	16	A Hypothetically and unrelated to this case?
	17	Q No, I'm asking you about case reports in the
	18	medical literature.
	19	A You know, the British Medical Journal in the early
	20	'40'S and early '50's have a number of cases of complications
	21	of pyloric stenosis. I'd have to go back and pick out a
	2 2	single case of somebody that had a cardiac arrest.
∼ 	23	know.

)		BARLOW & JONES P. 0.80X 160612 'MOBILE, AUBAMA 36616 {285} 475:8685		
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-1	1	3 Wei	3	
•••	2	A hnd but see, you're taking about thirty years	A	
, ⁴⁴ .	3	ago when we den't have the cardiopulmonary resuscitation that	ago when w	
	4	we have now. But in terms of 1985, no, I know of and	we have no	
	5	that's not because it may not exist, I just don't review that	that's not	
-	6 <u>-</u>	literature currently.	literature	
<u>*</u> , -	. 7	Q So you know of no such case in the literature?	Q	
·*	8	A Yeah. But that doesn't mean it doesn't exist. '	Α	
	9	Q .All right. All I'm trying to find out is whether	Q	
-	10	you know. And I think you told me you don't; is that	you know.	
	נ ג	correct?	correct?	
	12	A That's correct.	Α	
	13	Q Bave you been personally 'involved in the care and	Q	
-	14	treatment of any infant with gloric stenosis who suffered a	treatment	
	15	cardiac arrest, was immediately and properly resuscitated,	cardiac ar	
	16	who suffered severe brain damage such as Andy-did?	•	•
	17	A NO. – –	A	
	18	Q. Okay. Have you ever been involved in the care or!	Ω.	
• •	19	an infant who had pyloric stenosis who cane into the hospital	an infant	¥
	20	severely dehydrated, suffered a cardiac arrest a few hours	severely d	
	21	later ana brain damage?	later ana	
	22	A You're talking about a hypothetical case or	A	
	23	Q Yeah,	Q	
	10	83		

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11 A — a case that I have been involved in unrelated 22 to this? 33 Q Case that you have been involved in. 41 A We're not talking about this case. 55 Q No. 65. A Because that's not the appropriate description off 71 this case.	<i></i>			BARLOW & JONESS P. O. BOX 1606'2 MOBILE, ALABAMA 365666 (2051,176=0665-
 22 to this? 33 Q Case that you have been involved in. 44 A We're not talking about this case. 55 Q No. 65 A Because that's not the appropriate description off 77 this case. 61 Q I understend that you don't describe this case. 91 Q I understend that you don't describe this case. 91 A No. 10) A No. 11 Q Okay. What would be the appropriate treatment form 12 a child four to fix weeks of age with pyloric stenosis who 131 was brought into the hospital in a severely dehydrated 141 condition? 153 A A hypothetical case? 163 Q Yeah. 177 A Okay. well, I meany one would have to assess the agree of dehydration. 199 Q What if it was severe? 20 A What do you mean by severe, 'five, ten, fifteen, twenty percent? What are you doing, basing it on weight, arted 			-	-
 33 Q Case that you have been involved in. 41 A We're not talking about this case. 55 Q No. 65 A Because that's not the appropriate description of this case. 61 A Because that's not the appropriate description of this case. 63 Q I understend that you don't describe this case 64 No. 10 A No. 11 Q Okay. What would be the appropriate treatment for a child four to fix weeks of age with pyloric stenosis who was brought into the hospital in a severely dehydrated condition? 155 A A hypothetical case? 165 Q Yeah. 177 A Okay. well, I mean, one would have to assess the asses		11	A	a case that I have been involved in unrelated
 41 A We're not talking about this case. 53 Q No. 63 A Because that's not the appropriate description offer this case. 63 Q I understend that you don't describe this case in that way. 100 A No. 101 A No. 111 Q Okay. 'What would be the appropriate treatment form of the condition? 121 a child four to fix weeks of age with pyloric stenosis who was brought into the hospital in a severely dehydrated condition? 153 A A hypothetical case? 163 Q Yeah. 177 A Okay. well, I mean, one would have to assess the aggree of dehydration. 193 Q What if it was severe? 201 A What do you mean by severe, 'five, ten, fifteen, twenty percent? What are you doing, basing it on weight, are in the percent of the percent		22	to this?	
 5i Q No. 6i A Because that's not the appropriate description off 77 this case. 8) Q I understend that you don't describe this case . 9) that way. 10) A No. 11. Q Otay. 'What would be the appropriate treatment for 12! a child four to fix weeks of age with pyloric stenosis who 13! was brought into the bospital in a severely dehydrated 14! condition? 15: A A hypothetical case? 16: Q Yeah. 17? A Okay. well, I mean, one would have to assess the 18: aegree of dehydration. 19: Q What if it was bevere? 20: A What do you mean by severe, 'five, ten, fifteen. 21: twenty percent? What are you doing, basing it on weight, are 	····· . 	33	Q	Case that you have been involved in.
 6. A Because that's not the appropriate description.off 77 this case. 81 Q I understend that you don't describe this case 9) that way. 10) A No. 11. Q Okay. 'What would be the appropriate treatment for 12: a child four to fix weeks of age with pyloric stenosis who 13: was brought into the hospital in a severely dehydrated 14: condition? 15: A A hypothetical case? 16: Q Yeah. 17? A Okay. well, I mean, one would have to assess the agree of dehydration. 19: Q What if it was severe? 20: A What do you mean by severe, 'five, ten, fifteen, 21: twenty percent? What are you doing, basing it on weight, are 		41	Α	We're not talking about this case.
 77 this case. 83 Q I understend that you don't describe this case in that way. 10) A No. 11. Q Okay. 'What would be the appropriate treatment for a child four to fix weeks of age with pyloric stenosis who is brought into the hospital in a severely dehydrated condition? 153 A A hypothetical case? 163 Q Yeah. 177 A Okay. well, I mean, one would have to assess the agree of dehydration. 199 Q What if it was severe? 20) A What do you mean by severe, 'five, ten, fifteen, twenty percent? What are you doing, basing it on weight, are being it on weight, are in the percent of the percent in the percent in the percent is the percent in the percent in the percent in the percent is the percent in the percent in the percent in the percent is the percent in the percent in the percent in the percent is the percent in the percent is the percent in the percent is the percent in the percent in the percent in the percent is the percent in the percent in the percent in the percent is the percent in the percent in the percent in the percent is the percent in the percent in the percent in the percent in the percent is the percent in the percent in the percent in the percent in the percent is the percent in the percent in the percent in the percent in the percent is the percent in the percent in the percent in the percent in the percent is the percent in the percent in the percent in the percent in the percent is the percent in the percent in the percent in the percent is the percent in the percent		5;	Q	No.
 83 Q I understend that you don't describe this case		65.	А	Because that's not the appropriate description of
 g) that way. 10) A No. 11. Q Okay. What would be the appropriate treatment for 12! a child four to fix weeks of age with pyloric stenosis who 13! was brought into the hospital in a severely dehydrated 14! condition? 15: A A hypothetical case? 16: Q Yeah. 17? A Okay. well, I mean, one would have to assess the 18: aegree of dehydration. 19: Q What if it was severe? 20) A What do you mean by severe, 'five, ten, fifteen. 21. twenty percent? What are you doing, basing it on weight, arte 		71	this case.).
 10) A No. 11. Q Okay. What would be the appropriate treatment for 12: a child four to fiz weeks of age with pyloric stenosis who 13) was brought into the hospital in a severely dehydrated 14: condition? 15: A A hypothetical case? 16: Q Yeah. 177 A Okay. well, I mean, one would have to assess the agree of dehydration. 19) Q What if it was severe? 20) A What do you mean by severe, 'five, ten, fifteen, 21. twenty Percent? What are you doing, basing it on weight, area 		83	0	I understend that you don't describe this case
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12: a child four to siz weeks of age with pyloric stenosis who 13: was brought into the hospital in a severely dehydrated 14: condition? 15: A 16: Q 17: A 18: aegree of debydration. 19: Q What if it was severe? 20: A What do you mean by severe, 'five, ten, fifteen, 21: twenty percent? What are you doing, basing it on weight, area		10)	A	No.
 12: a child four to siz weeks of age with pyloric stenosis who 13: Was brought into the hospital in a severely dehydrated 14: condition? 15: A A hypothetical case? 16: Q Yeah. 17? A Okay. well, I mean, one would have to assess the a aegree of dehydration. 19: Q What if it was severe? 20: A What do you mean by severe, 'five, ten, fifteen, twenty percent? What are you doing, basing it on weight, area 	- -	11.	Q	Okay. 'What would be the appropriate treatment for
 14: condition? 15: A A hypothetical case? 16: Q Yeah. 17? A Okay. well, I mean, one would have to assess the 183 aegree of dehy dration. 19: Q What if it was severe? 20: A What do you mean by severe, 'five, ten, fifteen, 21. twenty percent? What are you doing, basing it on weight, area 	• •	12)	a child #0	our to siz weeks of age with pyloric stenosis who
 15; A A hypothetical case? 16; Q Yeah. 17? A Okay. well, I mean, one would have to assess the all all all all all all all all all al		13;	was brough	ht into the bospital in a severely dehydrated
 16; Q Yeah. 17? A Okay. well, I mean, one would have to assess the all all all all all all all all all al	-	14:	condition?	?
 177 A Okay. well, I mean, one would have to assess the all all all all all all all all all al		15;	A	A mypothetical case?
 177 A Okay. well, I mean, one would have to assess the assess the assess the assess the assess of deby dration. 183 aegree of deby dration. 193 Q What if it was severe? 20) A What do you mean by severe, 'five, ten, fifteen, 21. twenty percent? What are you doing, basing it on weight, are as begins of the percent? 	_	16;	Q	Yeah.
 19) Q What if it was severe? 20) A What do you mean by severe, 'five, ten, fifteen, 21. twenty percent? What are you doing, basing it on weight, are 	-	171		
 19) Q What if it was severe? 20) A What do you mean by severe, 'five, ten, fifteen, 21. twenty percent? What are you doing, basing it on weight, are 		183	aegree of	deby dration.
 20) A What do you mean by severe, 'five, ten, fifteen, 21. twenty percent? What are you doing, basing it on weight, are 			-	
21. twenty percent? What are you doing, basing it on weight, are				e 19 mar 19
·				· · · · · · · ·
23 Q Well, do you use the word severe in your medical	· .			
		11	_	
		رے	¥	Herr, do you use the word severe in your medical

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• . .		BARLOW & JONES P. O.BOX 180612 'MOBILE. AUBAMA 36616 UOSI 476-0685
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	1	practice?
	2	A Yes, but I qualify it. I don't just say severe.
	3	I qualify it, severe due to,
	4	Q All right. Well, how about if it's severe due to.
	5	dehydration?
	6.	A No, that' not good enough. Due to dehydration :
	7	bated on what, weight, kilos, electrolytes?
	8	Q So you don't; understand - when I use the term
	, 9	severe dchydrrtion, you just don't understand the meaning of
•	10	it?
-	11	A No, no. I understand the meaning, Mr. Cunningham.
	12	But it's not specific, okay? And I can't give you an answer
•	13	unless you went to be specific. Now, if you want to give-me
-	14	some specifications, we'll do it. Again, we're here to be
	15	accurate and give you the nost information that I can.
·, ·	16	Q So if a medical student out at the University cane
	17	up to you and said, you know, I've got an infant who's
	18	severely dehydrated, you wouldn't be able to tell him
	19	anything about how to treat the infant until you had all the
	20	specifics?
	21	A Yes, I would. But I'd ask him, I'd say Mr. So and
: _	22	So, you've told me this child is severely dehydrated, what we
·	23	did you base that on: aid you base it on skin turgor, did you
	1	

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1	base it on	your clinical exam, did you base it on weight
. 2	loss, did	you base it on electrolyte disturbance. And then
3	as a medio	cal student, he said, yes, I based it on this. Then
4	I would te	11 him what to do.
5	Q	Okay, Well, you cion't know if you assume that
б.	Ancy suffe	red from severe dehydration exhibited only by his
7	admitting	lab reports, can you tell ne what you would do
8	then?	
9	Α	Now we're talking about again, this is
10	Q	Eypothetically.
11	Α	hypothetically, and an assumption. Okay?
12	Because he	wasn't.
13	Q	Right. I agree with you.
- 14	Α	His electrolytes were normal. Okay?
15	Q	Okay.
16	Α	Ee did have some dehydration
17	ç	All right. — -
18	Α	Okay.
19,	Q	Was it severe, moderate or mild?
20	Α	I'd have to say it was mild to moderate.
21	Q	Okay -
22	Α	Now, what is your question?
23	Q	My question was, if he had severe dehydration
		86

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· · ·		BARLOW & JONES P. 0.BOX 160612 MOBILE, ALABAMA 36615 (205) 476-0685
	1	exhibited only by his lab reprts, what would you Bo? .
5. C	2	A Well, you know, his lab reports didn't reflect the
	3	severe denydration.
	4	Q I'm asking you a hypothetical.
	5	A No, I know that, But it still even hypothetically
	6.	didn't reflect a severe dehydration. I would have done
•	7	nothing differently than these doctors did.
-	. 8	Q What is the treatment for an infant who is
	9	severely dehydrated who has good skin turgor, and who's
	10	the only indication tnst they are severcly dehydrated are the
·	11	lab findings?
•	12	A Okay. What are, the lab findings?
•	13	Q I don't know. You tell me some that would
	14	indicate severe dehydration.
	15	A Nell, a sodium of a hundred eighty.
	16	Q Okay.
-	17	A Okay. Yes; well, in that case I would give an
	18	electrolyte solution which was low in sodium at a slow period
	19	of time depending on whether first of all, whether the
	20	child was in shock.
	21	If the child was nor in shock, then I would not
~	22	give anything or an acute basis. But you have to be careful;
	23	with that particular type of dehydration, a hypernatremic
		87

	:• 	BARLOW & JONES P. O. BOX 160612 MOBILE, AUBAMA 36616 (205) 476-0685
	71	
	1	dehydration, you give one set of electrolyte solutions.
	2:	Because there are serious complications that may result if:
	31	you ào otherwise.
	41	Now, if it's a hyponatremic dehydration where the
	5;	sodium is one fifteen, then you have to give hypertonic
·	6i	saline. And you give it based 'on'the weight loss, based on
•••	7'	the amount of dehydration at the after deciding upon the
	8:	rate.
	9)	\mathbf{Q} · · · · Okay.
-	10	A So it's variable, and you don't use one piece 'of
-	11	information. That's, I think, the point I'm trying to get
	12	across is that, you know I'm not boring you, am I?
• • •	13	Q Not a bit.
-	14	A Okay. The you know, so medicine is not
	15	practiced by a single test alone.
-	16	Q You nentioned shock. How about if on admission
	3.7	you're worried about the child — oing into shock; what would
	18:	you do?
	19)	A Well, I would look at the child, I would take his
	20	vital signs, as was done in this case, and check the
	21	responsiveness, and $$ as done in this case. And then if I
	22	felt that the child was stable, I would proceed as I, you and a
	23	know, would ordinarily with any child.
	22.4	88

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)		BARLOW & JONES P. O. BOX 160612
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-	1	Well, I take it it's your opinion, after reviewing
	2	all these records, that everybody involved in the medical
	3	care of Andy Hinkle did everything right, is that correct?
	4	A You know, I don't want to make blanket statements.
	5	What are you referring to?
	6	Q Well, tell me anything thet was done - any of the
	7	medical personnel based on your review of the depositions,;
·· •	8	and the chart, tell me anything done by anybody that you
	9	consider to have been improper?
	10	A Well, you know, I think there are many ways to .do
	11	nary things. I don't think the way this child was maged,
	12	given the clinical data and given the clinical situation, was
	13	improper. And to the contrary, if the doctors were not there
-	14	and the anesthesiologist was not there, the baby wouldn't
	15	have survived.
	16	Q But my question is, is it your opinion that
1- -	17	anybody involved in his care and treatment at anytime
	18	reflected on this chart or in the depositions did anything
· ·	19	inproper?
•	20	A Not in By opinion, no.
	21	Q Okay. And so what we had then vas an infant with
	22	pyloric stenosis admitted to the hospital who goes on to
	23	suffer a cardiac arrest five hours later and ends up severely
		89

)		BARLOW & JONES P. O. BOX 160612 MOBILE, AUBAMA 36616 (205) 476-0685
•.		-
	1	brain damaged; 15 that right ?
	2	A Yes.
	3	Q And it was totally unavoidable, totally
••• ••	4	unpredictable, and everything was done right, correct?
• • • • • • • • •	5	A Yes. The complication of the cardiac arrest, from
	6.	what I can deternine from the records and the assessments
•••	7	and that's all we have, okay?
	8	We have you know, other people that see a
۰	9	situation may see it differently. But as recorded in the
	10	chart, end as recorded in the depositions and as recorded by
-	11	the observations of the family, then I have to say everything
	12	wes done appropriately.
	13	Now, why this child had a cardiac arrest is you
-	14	know, again, is an unfortunate complication. It happens in
	15	children that are ill. If we knew that it vas not - that we
	16	could anticipate it, the obviously these coctors, as well as
•	17	anybody else, would have done something differently. But
	18	there's no way to anticipate it.
:.`,	19	Q What is the mortality rate in children with
	20	pyloric stenosis?
• •		A Well, you have to, again, give me the specifics.
• •	21	
· · ·	21	
· · ·	21 22 23	I mean, is it a child with a potassium of one or is it a .** child with a potassium of five or is it you know, you just

• *		BARLOW & JONES P. O.BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685
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· · · · · · · · · · · · · · · · · · ·	1	can't make a blanket statement.
· · · · · · · · · · · · · · · · · · ·	2	Q Don't numerous medical articles make such a
	3	blanket statement?
, • •	4	A They usually clarify what they are talking; about,
	5	where thcy get their data
	6	MR. HOLMES: You're taking into account that
••••	7	such a child had a cardiac arrest under these
	8	conditions?
• •• • •	. 9	MR. CUNNINGHAM: I don't know what you are
	PO	tal king about.
-	11	MR. HOLMES: Do you mean with pyloric stenosis
	12	standing alone?
•	13	MR. CUMMINGHAM: I aon't know what you are'-
	14	talking about.
	15	Q Tell me what you understand to be the mortality
	16	rate, as reflected in the medical articles and-textbooks, of
;	17	pyloric stenosis in children? — -
	18	A Which one arc you talking about? I have to see
	19	- the source of what the data
•	20	Q So you don't know then?
	21	A Right.
	22	Q Okay. Have you had occasion to treat a lot of
	23	children with this condition?
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. • <i>.</i> • •	1	A When I did general pediatrics, yes.
• . £ 1	2!	Q When was that?
• .	3	A In 1970 through 1976.
	41	Q All right okay. Since 1976, hat many children
	5	with pyloric stenosis have you trcatcd?
	6 i.	A None.
	7'	Q All right. And then between '73 and '76 what ver'e
	a	you doing?
	9 1	A '70 to '76.
	10	Q '70 to '76, what were you doing there?
-	11	A "I was doing an infectious disease fellowship ana
•	12	doing a pediatric and internship and residency, as well as
<i></i>	13	a neurology residency.
-	14	Q All right. Did you have occasion to treat
	15	children with pyloric stenosis?
•	16	A Yes.
* ⁻ 6	17	Q All right. How many-of-the children that you were
•	18	familiar with during that period of time with pyloric
• •	19	stenosis came into the hospital and died five hours later
	20	from a cardiac arrest?
	21	A I.don't recall any. Dut there was cortainly a
~	22	significant morbidity, depending on we were in a referral -
••••• ••••••	23	center at Washington University in St. Louis. And we saw
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:	11	in his care were concerned about what had caused his cardiac?
	. 2 ²	arrest?
	' 3	A 'Yes, I'm sure they were.
	4 ⁴	2 All right. Did you tell your opinion about
· .	5 ⁵	what caused it?
	66	A We discussed it. You know, I that's six years'
	7 ⁷	ago. I mean, we discuss it all the tine.
	8 ⁸	Q Well, did you tell then you: opinion?
	99	A I'm sure I did tell than, yes.
	10 ⁰	Q Did you ever enter anywhere in the chart your
-	11 ¹	opinion about what caused his cardiac arrest?
	12 ²	A No. I wasn't asked to do that at that time.
•	13 ³	Q Well, you never entered it anywhere in the chart,
• . • •	14 ⁴	though, did you?
· · ·	15 ⁵	A No.
:	16 ⁶	Q Did anybody "enter anywhere in the chart the cause
	17 ⁷	of his cardiac arrest as you have described for us earlier?
	188	A Do you mean as I've put it in this fashion?
	19 ⁹	Q Yes.
	20 ⁰	A No I don't know. Probably not, because it's
	21 ¹	opinion
	22 ²	Q Ub-huh, Well, is t are anybody else that agrees 2.
• . • . • .	23 ³	with you?
•	1	

		BARLOW & JONES
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		· 2036.
··· · · ·	1	A Oh, I'm sure that there ace several people drat
· ·. ·	2	agree with me. I get
	3	Q Who besides the lawyers, what doctors?
	4	A Well, okay. I won't respond to that.
	5	But the you know, Dr. HcAtee.
	6.	Q He agrees with you?
•••	7	A I think he agrees with me, yes.
۰.	8	Q Okay. Do you agree with him?
	9	A Well, on certain things. You know, he's a
	10	pulnonologist and an adult practitioner and does not have a8
-	11	nuch experience as a pediatrician or a neurologist does with
	12	small children.
	13	So I think be interprets certain data differently
-	14	than I would. And the you know, I've not talked to each
	15	one or those doctors in detail about their opinions. So, you
_	16	know, generally speaking, I think that we all feel that the
	17	child had a cardiac arrest.
	18	Q Well, I'm talking about the cause of the cardiac
	19	arrest.
181	20	A . It varies. I mean, I think that, you know, we're
-	23	dealing in probabilities here. And, you know, what I think
	23	is probable may be somewhat different than the others.
	44	The property and the power and the fight file forers.
	23	Q Well, how many of then, to your knowledge, agree

 5 Q All right. And Dr. McAtee agrees with you; is 6. that right? 7 A He agrees that the child had a cardiac arrest 8 probably on a metabolic disturbance, yes. 9 Q Okay. Now, you say you've read his deposition. 10 Is there anything in there that you disagree with? 11 A Well, what are you referring to? Now, I mean, 12 that's E five you know, a five hour ueposition. I can't 13 tell you. 14 Q He expressed certain opinions in there, didn't he? 15 A Yeah. Why don't you ask ne which one you want? 16 Q I'm not going to ask you which one. He expressed 17 certain opinions in there, didn't he? 18 A (Witness nods head affirmatively). 19 Q Were there any of his opinions, his major points 20 about what he thought caused the cardiac arrest, that you 21 disagree with? 	::::		BARLOW & JONES P. 0 .SOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
 A I don't know. I haven't polled then. O Okay, 'Have you discussed it with any of then? A Just Dr. NcAtee on a brief occasion, Q All right. And Dr. McAtee agrees with you; is that right? A He agrees that the child had a cardiac arrest probably on a metabolic disturbance, yes. Q Okay. Now, you say you've read his deposition. Is there anything in there that you disagree with? A Well, what are you referring to? Now, I mean, that's E five you know, a five hour ueposition. I can't tell you. Q He expressed certain opinions in there, didn't he? A Yeah. Why don't you ask ne which one you want? * Q I'n not going to ask you which one. <u>He expressed</u> certain opinions in there, didn't he? A (Witness nods head affirmatively). Q Were there any of his opinions, his major points about what he thought caused the cardiac arrest, that you cisagree with? 	•		
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21 disagree with? 22 KR. DUFFY: Point out the page and number for		19	Q Were there any of his opinions, his major points
22 KR. DUFFY: Point out the page and number for		20	about what he thought caused the cardiac arrest, that you
		21	cisagree with?
23 hi=. *	_	22	KR. DUFFY: Point out the page and number for
	•	23	hi=

•		BARLOW & JONES P. 0.BOX 160612 "MOBILE. ALABAMA 36516 (205) 476-0685
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•	1	MR. CUMNINGHAM: I don't have to pint out a
	2	page and number.
	. 3	MR. WFEY: Well, he doesn't have to answer
	4	then,
	5	MR. CUMMINGEAM: We'll find out whether he
•	6	does or not.
	7	MR. DUFFY: It's a hundred ninety page
	8	deposition.
	_	
	, 9	MR. CUNNINGHAM: I'm not asking about details.
	10	I'm asking about his overall opinion.
-	11	MR. DUFFY: ne can t be required to memorize a
	12	hundred ninety pages.
	13	MR. CUNNINGHAM: In not asking him to
	14	memorize it.
÷.	15	NR. DUFFY : Invite his attention to something.
	16	MR. CUNNINGHAM:
-	17	Q What do you understand Dr. McAtee's opinion to
	18	have been as to the cause of the cardiac arrest?
•	19	A As I read his deposition, he feels that the child
	20	had a metabolic disturbance, electrolyte disturbance, which
	21	was not necessarily reflected in the admitting electrolytes,
-	22	which resulted in possibly a cardiac probably a cardiac **.
•••	23	arrhythmia at a later time.
	E	Contraction of the second s

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		BARLOW & JONES P. O. BOX 1606 12 MOBILE. ALABAMA 36616 (2051 476-0685
· · ·	ı	Q Do you agree or disagree?
	2	A lagree.
	3	Q Now, the metabolic - did you say metabolic
	4	disturbance?
	5	A Uh-huh.
	6.	Q All right, Is the metabolic disturbance that he
	7	described the same netabolic disturbance that you have
	8	described for us today?
	9	A Yes, I think so.
	10	Q Okay. Incidentally, what was your reason for
-	11	reading his deposition?
	12	A Well, I think as you well know, Mr. Cunningham, to
	13	be prepared to give a deposition you need to have all of the
• •	14	records and all of the opinions so that one can give a
	35	justified, unbiased opinion.
•	16	Q Well, you didn't need to know what he was going to
. .	17	sty to give your opinion, did you?
	18	A I think I need everybody's information. If you
	19	have some, I'd like to see it, too.
	20	Q Why did you need to know what he was going to say?
	21	A I_didn't need to. But it was available and, you
	22	know, I should read it beforehand.
•••••	23	Q Okay.

 you and be more than agreeable to But you don't disagree with him? A I said I don't agree with everything ne said in there, okay, in terms of varying degrees. I told you he w an adult pulnonologist who, you know, describes things somewhat differently than I would. But in terms of what I do agree with him, is th I do agree it was a metabolic disturbance which resulted i caraiac arrhythmia which resulted in a cardiac arrest which resulted in decreased omygen which resulted in decreased blood flow which resulted in tile hypoxic ischemic encepalopathy that the child had. Q Is there anything that Dr. McAtee said that you considered to be totally wrong? MR. HOLIES: What page ere you- referring to MR. CUNNINGHAN: I'm not referring to any page. 	••		BARLOW & JONES P. O. BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0615
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17 MR. CUNNINGHAM: I'm not referring to amy 18 page. 19 MR. HOLMES: Why don't we just save time and 20 you give him == 21 MR. CUNNINGHAM: I'm not referring to any		15	
18 page. 19 NR. HOLNES: Why don't we just save time and you give him == 20 you give him == 21		16	MR. HOLIES: What page ere you-referring to?
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20 you give him - 21 - MR. CUNNINGHAM: I'm not referring to any		18	
21 MR. CUNNINGHAM: I'm not referring to any		19	MR. HOLMES: Why don't we just save time and
	•	20	you give him
_ 22 page.		21	- MR. CUNNINGHAM: I'm not referring to any
		22	page.
23 A Okay. I can't answer that.		23	A Okay. I can't answer that.

-	1 2 3	Q folt was	You don't know whether he said ar	
- - -	2		You don't know whether he said ar	
r -		faltwoo		Tring that you
•	3	Tert wes	totally wrong?	••
	-		MR. DUFFY: Not unless you in	nvite bis
	4	atte	ention and point out	
	5	Α	Not unless you want to show it to	o me.
	6	HR. CUNN	INGHAM:	
	7'	Q	Well, did you read his deposition	n and try to
	8	remember	what he said?	
	9	Α	I've read fourteen depositions.	
	10	Q	Yeah. But you just read his, die	dn't 'you, this
	11	wcek?	- ".	۴.
-	12	Α	I've read all of then this week.	
	13	Q	Did you read his?	
	14	A	Yes.	
-	15	0	Did you try to remember what he	said?.
-	16	A	I've tried. But I can't remembe	
	17	Q	Bave you considered what he said	the state of the s
	18	_	you've given here today?	
	19	A	Yes, I have.	
	20	Q	Okay. But you' don't remember en	 ouch about it to
	20		my questions about it; is that righ	
	21 22	A	I'm answering the questions about I'm answering the questions abou	
•	22 23		rally did I agree with hin. I said	
· .	دے			yes. Due
				100

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•		
. • 	l	specifically, you know, there are things that I recall that I;
	2	don't agree with. But I can't
	3	What are those thingn that you recall that you
	4	don't agree with?
• .	5	A If I can go through the deposition, I'll be happy
- ·	6	to turn the pages with you.
•	7.	All right. Great.
	8	(Off the record discussion)
	9	(Short Break)
	• 10	MR. CUNNINGEAM:
). -	11	Q Is that thzt deposition that I put over there?
• -	12	A Here it is.
•	13	Q You've got it? Okay.
•	14	Now, do you agree with Dr. McAtee when he says on
-	15	page thirty-one, line sixteen, in answer to the question,
•	16	"What diagnosis did you reach from reviewing these numbers 🚟
	17	that yoc/ have told me about?' Answer, "Well, I think those
	18	numbers themselves woad add to the basic diagnosis of
·	19	pyloric stenosis and the additional problem of severe volume
•	20	contraction or dehydration in addition to the pyloric
	21	stenosis diagnosis."
	22	Now, is = hat what Dr. NcAtee aid, according to
in the second se	23	this transcript?
-7		
		101

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•		· · · · · · · · · · · · · · · · · · ·
	1	A Yes. I think he was talking about yolume
	2	contraction more than dehydration, you know, as I interpret
	3	it. But if he does mean severe dehydration, I would
19	4	disagree; that I don't think it's severe by the clinical
••	5	exam.
	6	But in many situations you cannot tell, because
	ァ	you don't know what the total body depiction is of
	8	electrolytes end volune.
	9	Q All right. So when he says it was severe volume .
	10	contraction or dehydration in addition to the pyloric
-	1	scenosis diagnosis, you disagree with that?
•	12	IR. DUFFY: I'm going to object to the fora of
	13	the question, because what you are doing is something
	14	which the Supreme $\sim o \mu has$ condenned; and &'at is,
-	15	taking things out of context. Ir you will refer to page
	16	twenty-eight et line twelve, Dr. McAtee refers to the
-	17	condition as significantly dehydrated. He makes no
	18	suggestion of severe dehydration. So I think we're
	19	taking about
	20	MR. CUNNINGHAM:
	21	Q Who used the word severe in that answer?
	22	IR. DUFFY: You did.
~	23	MR. CUMMINGEAM: No, I didn't. I didn't
· · ·		
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	l	answer on page thirty-one;
• • •	2	HR. DUFFY: And he didn't say severe
- Barton	3	dehydration, either. He said severe volume contraction.
	4	MR. CUNNINGHAM:
· · · ·	5	Q All right. Let's talk about thet, then. What is
• • •	6	the difference between severe volume contraction and severe
•	7	dehydration?
	8	A Well, it means that the intravascular volume is
	9	
	· 10	ς
aut Aug	11	severe volume contraction?
• · ·	12	A Well, if one can determine it - which may be
	13	difficult in a small baby, because all you have is the
· .	14	electrolytes and the distinct manifestations - then you would
-	15	replace with fluid volume.
-	16	Q Is severe volume contraction a life-threatening
•	17	
•	18	A
	19	
	20	Q
	21	volume contraction?
	22	A
	23	Q Well, do you have an opinion whether he did or did
- - -		3
	-	103

 10 the problem of severe volume contraction? 11 A If that's his opinion, then you'll have to ask 12 him. That's not the way I interpret the 'record, so I'm not 13 going to disagree with him or agree with him. I mean, I 14 interpret it differently. He can interpret it the way he 15 wants. 	 ▲ ▲ ▲ 		BARLOW & JONES - P. O. SOX 160612 'MOBILE,ALABAMA 36515 (205) 476-0685
 A Based on the data that I reviewed, I don't think it reflected in the data = in which that's all the doctors had to go on - that it reflected it was severe volume contraction. Q All right. Well, then 7 It hes nothing to do with the cardiac arrest anyway. Q Did you disagree with Dr. EcAtee when he refers t the problem of severe volume contraction? A If that's his opinion, then you'll have to ask him. That's not the way I interpret the 'record, so I'm not going to disagree with him or agree with him. I mean, I interpret it differently. He can interpret it the way he wants. Q So you don't know whether you agree or disagree i with him on that? I E ECLES: He said he interpreted it G Gifferently. A I can - isour. IR. COUNTINGERAT: Q Does that man you disagree or Agree? 	τ. Ν.		
 it reflected in the data - in which that's all the doctors hed to go on - that it reflected it was severe volume contraction. Q All right. Well, then T thes nothing to do with the cardiac arrest aryvay. Q Did you disagree with Dr. BeAtee when he refers t the problem of severe volume contraction? A If that's his opinion, then you'll have to ask him. That's not the way I interpret the record, so I'm not geing to disagree with him or agree with him. I mean, I interpret it differently. He can interpret it the way he wants. Q So you don't know whether you agree or disagree i with him on that? IR. COUNTINGERATI: Q Does that man you disagree or agree? 		1	not have severe volume contraction?
 4 hed to go on - that it reflected it was severe volume 5 contraction. 6 Q All right. Well, then 7 It hes nothing to do with the cardiac arrest aryvay. 9 Q Did you disagree with Dr. BCAtee when he refers t 10 the problem of severe volume contraction? 11 A If that's his opinion, then you'll have to ask 12 him. That's not the way I interpret the 'record, so I'm not 13 going to disagree with him or agree with him. I mean, I 14 interpret it differently. He can interpret it the way he 15 wants. .16 Q So you don't know whether you agree or disagree ' 17 with him on that? 18 E BCLMES: He said he interpreted it 19 differently. 20 A I can the same is a statement of the same is a statement. 21 IR. CUMMINGHAM: 22 Q Does that man you disagree or agree? 		2	A Based on the data that I reviewed , I don't think
 All to go on - that it reflected it was severe volume contraction. Q All right. Well, then T hes nothing to do with the cardiac arrest anyway. Q Did you disagree with Dr. EcAtee when he refers t the problem of severe volume contraction? A If that's his opinion, then you'll have to ask him. That's not the way I interpret the 'record, so I'm not going to disagree with him or agree with him. I mean, I interpret it differently. He can interpret it the way he wants. Q So you don't know whether you agree or disagree of with him on that? I COLMERS: He said he interpreted it differently. I IR. COLMERGHAN: Q Does that man you disagree or Agree? 	?	3	it reflected in the data - in which that's all the doctors
 6 Q All right. Well, then 7 It has nothing to do with the cardiac arrest anyway. 9 Q Did you disagree with Dr. NGAtee when he refers t 10 the problem of severe volume contraction? 11 A If that's his opinion, then you'll have to ask 12 him. That's not the way I interpret the 'record, so I'm not 13 going to disagree with him or agree with him. I mean, I 14 interpret it differently. He can interpret it the way he 15 wants. .16 Q So you don't know whether you agree or disagree 17 with him on that? 18 [= HOLKES: He said he interpreted it 19 differently. 20 A I can 21 HR. CUMNINGEANI: 20 Does that man you disagree or agree? 	 	4	had to go on - that it reflected it was severe volume
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 anyuay. 9 Q Did you disagree with Dr. McAtee when he refers t 10 the problem of severe volume contraction? 11 A If that's his opinion, then you'll have to ask 12 him. That's not the way I interpret the 'record, so I'm not 13 going to disagree with him or agree with him. I mean, I 14 interpret it differently. He can interpret it the way he 15 wants. .16 Q So you don't know whether you agree or disagree 17 with him on that? 18 E BOLKES: He said he interpreted it 19 differently. 20 A I can 21 MR. CUNNINGHAM: 20 Does that man you disagree or Agree? 	• •	6	Q All right. Well, then
 9 Q Did you disagree with Dr. McAtee when he refers t 10 the problem of severe volume contraction? 11 A If that's his opinion, then you'll have to ask 12 him. That's not the way I interpret the 'record, so I'm not 13 going to disagree with him or agree with him. I mean, I 14 interpret it differently. He can interpret it the way he 15 wants. .16 Q So you don't know whether you agree or disagree 17 with him on that? 18 E BOLMES: He said he interpreted it 19 differently. 20 A I can 21 HR. COUNTINGHAM: 20 Does that man you disagree or Agree? 	•	7	It hes nothing to do with the cardiac arrest
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 11 A If that's his opinion, then you'll have to ask 12 him. That's not the way I interpret the 'record, so I'm not 13 going to disagree with him or agree with him. I mean, I 14 interpret it differently. He can interpret it the way he 15 wants. .16 Q So you don't know whether you agree or disagree 17 with him on that? 18 ECLEES: He said he interpreted it 19 differently. 20 A I can - you disagree or Agree? 21 HR. CUNNINGHAM: 22 Q Does that man you disagree or Agree? 		9	Did you disagree with Dr. McAtee when he refers to
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 13 going to disagree with him or agree with him. I mean, I 14 interpret it differently. He can interpret it the way he 15 wants. .16 Q So you don't know whether you agree or disagree 17 with him on that? 18 FOLMES: He said he interpreted it 19 differently. 20 A I can 21 MR. CUMNINGHAM: 22 Q Does that man you disagree or Agree? 	-	11	A -If that's his opinion, then you'll have to ask
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 15 wants. .16 Q So you don't know whether you agree or disagree 17 with him on that? 18 I= BOLMES: He said he interpreted it 19 differently. 20 A I can		13	going to disagree with him or agree with him. I mean, I
 .16 Q So you don't know whether you agree or disagree 17 with him on that? 18	_	14	interpret it differently. He can interpret it the way he
 17 with him on that? 18		15	wants.
 18		.16	Q So you don't know whether you agree or disagree 🍋
19 differently. 20 A 21 MR. CUNNINGHAM: 22 Q Does that man you disagree or agree?	-	17	with him on that?
20 A I can 21 HR. CUMMINGHAM: 22 Q Does that man you disagree or agree?		18	L= EQLMES: He said he interpreted it
21 MR. CUMMINGHAM: 22 Q -Does that man you disagree or agree?		19	differently.
22 Does that man you disagree or agree?		20	A I can ==
		21	MR. CUMNINGHAM:
23 A It means that I interpret it differently. If you		22	Q Does that man you disagree or agree?
	~	23	A It means that I interpret it differently. If you
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	1	want to see what he says, then ask him.
	2	2 .Well, is severe dehydration a life-threatening
	3	condition?
	4	A It depends on the mount. It depends on the
	5	conation of the baby. It depends on the type of
	6	dehydration. Bypernatremic dehydration, which I would
	7	classify as severe, may not be life threatening at that time.
	8	And you usually take twelve to twenty-four hours to correct
	9	it.
·	10	Q Okay. Well, isn't gevere dehydration e
)	11	life-threatcning condition?
-	12	A If you clarify what you are talking abut, it may
	13	be.
	14	Q How come Dr. McAtee can answer that with a Well.
-	15	yes, it is and you have to have it clamified?
	16	A Because I deal in specifics, Mr. Cunningham.
:	17	Q Okzy. And he doesn't?
•	18	A Well, I don't think he does.
	19	Q Okay. Isn't severe dehydrat on a life-threatening
	20	condition?
	21	HR. DUFFY: What page are you on?
, - . '	22	IR. CUNNINGRAM: I'm on page thirty-two.
~	23	Q Isn't severe dehydration a life-threatening
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•		BARLOW & JONES P. 0.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
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	1	situation in an infant this age?
	2	A Again, you have to clarify what you are talking
	3	about in terms of what are the other circumstances.
	4	Q Okay. So when Dr. McAtee answers that question
· . . ·	5	with a "correct", you say that there's no way to answer it
•	6	unless it clarified?
•	7	Yeah. I don't think you know, he didn't ask
-	8	you to clarify it. And you're talking hypot
	٩	you're not talking in relation to this case.
	10	And, you know, so we don't know I don't know
-	11	what you are talking about. If Dr. McAtce does, then that's
-	12	fine. I mean, from this deposition, I can't determine what
	13	you are saying is hypothetical and what's reflected in the
	14	case.
-	15	Q All right.
	16	A And that's the problem, you know, with reading
:	17	depositions and not having most a
•	18	(Uh-huh. Doesn't severe
•	19	MR. HOLMES: Are vou agreeing. Bobbo?
	20	IS. CUMNINGHAM: Do what?
	21	MR. EOLNES: Arc you agreeing?
, z ⁻	22	HR. CUINIING HAM: Buh? Oh, yeah. Yeah. Surre.
\sim	23	Q mesa't sewere dehydration require prompt
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	1	diagnosis and treatment?
	2	A Again, it depends on the type. And yes. I Dean,
	3	if it is severe, and if you have the appropriate laboratory
	4	studies, then it requires a certain course which a physician
	5	is directed to take.
.5	6	In this particular situation, the vital signs were
•	7	stable, the electrolytes were normal. They proceeded with
	8	replacing fluid in an appropriate period of tine. I don't
	9	see any other course, and I don't think Dr. McAtee agrees
	10	that there's any other course.
) 	11	Q .Did you know the child was severely dehydrated
• [*]	12	back when you were treating him?
	13	A I didn't see the child until 8-23.
	14	Q All right. Well, diu you know the child was
•.	15	severely dehydrated prior to August 22nd at the tine of his
	16	arrest?
-	17	A That wasn't reflected in the chart. The admission
•	18	history an2 physical by Dr. Roberts said that the there
	19	was not any severe dehydration. so that's what I assumed was
	20	the case.
	21	And after I review the records, I have to assume
-	22	that based on the laboratory data and based on the clinical
\prec	23	exam, that it appeared that the child was not severely
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	1	Behyarated; but may well have been volume contracted as Dr.
	2	AcAtee it suggesting, you know.
α	3	So I think that the appropriate course in terms of
	4	putting the IV in and replacing the fluid as they did was the
	5	way it should be done.
•	6	2 So when Dr. McAtee says yes, he was aware when he
	7	reviewed the records that the child was severely dehydrated,
	8	you were not aware of that when you reviewed the records?
	9	A Now, you asked ne back then. Okay?
	10	Q Well, how about since then when you have reviewed
-	11	the records?
-	12	A Again, no, I have interpreted it differently. I
	13	do not feel that the child is severely dehydrated. But -
-	14	again, you have to key Dr. McAtee. His interpretation of
	15	certain findings may be different than mine.
	16	But it the bottom line is that it makes no
:	17	difference in this particular situation.
•	18	Q In your opinion?
	19	A Well, I think in Dr. McAtee's opinion.
	20	Q Okay. So you think he expressed the opinion that
•	21	it made no difference in this case?
	22	A He expressed the opinion that the care rendered
*	23	was appropriate for the situation,
2		108

		LIARLOW & JONES P.O.BOX 160612 MOBILE, AUBAMA 36616 (205) 476-0685
•	l	Q Okay.
	2	A Ecis expressing the opinion that I an, too, that
•	3	pyloric stenosis has certain problems associated with it in
	4	children having metabolic disturbance and electrolyte
	5	disturbance that if it is detectable, then it requires an .
*	6	appropriate action.
	7'	If the electrolytes appear to be within a normal
	8	range and the other situation appears to be normal, you go
	9	along one course
•	10	Ω Well, if Dr. McAtee could detect it, wouldn't you
	11	expect a pediatric surgeon to be able to detect it?
-	12	A I think that the pediatric surgeon assessed the
	13	laboratory data quite appropriately. Now, even though Dr.
	14	McAtee felt like there might be severe dehydration, I see
-	15	nowhere-in his deposition that I can kind that he would have
	16	aone anything any differently.
- .	17	Q Well, do you think anything should have been done
	18	differently if the child was severely dehydrated?
	19	A Well, you won't give me, for some reason, what you
	20	want to know, Mr. Cunningham. And
	21	Q But you just used the term yourself, Doctor. I'm
<u> </u>	22	using it in the same context you did.
	23	A Again, I'm trying to again, you have to tell ne

ł.		BARLOW & JONES P. O. 80X 160612 MOBILE, ALABAMA 36616 (205) 476-0685
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	1	shat you you know, when I use severe dehydration, I
	2	usually clarify it, hypernatremic, hyponatremic, hypokalemic.
	3	And if that's the case it's like saying somebody's sick,
•••	4	okay? How do you treat somebody's who's sick?
	5	7 Well, did Doctor
*	6	A East do you treat somebody who's sick? You have to
	7 -	find out what's natter with them.
· · · · ·	8	2 Well, did Dr. McAtee say that the child was
• .	9	hypokalenic? -
	10	A No.
	11	Q Byperkalemic?
-	12	A No.
•**.	13	0 Eypernatremic?
	14	A No.
-	15	Q Hyponatremic?
· •	16	A No.
•••	17	Q Well, how did he describe the severe denydration
	18	then?
	19	A He just said it was <i>teverc</i> dehydration. He didn't
	20	tell you why.
	21	Q Equ closely should this child have been monitored
_	22	by the nurses between the time of admission and the time the
	23	cutdown was done?
		110

) 			BARLOW & JONES P. 0. SOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
• •			
	1	7	You know, I mean, I'don't know what you mean. Do
	2	you clean =	- ·
	3	2	You don't know what I mean?
• •	4	A	No.
	5	2	Okay. So if a medical student asked you how
	6	closely a	child should be monitored between such and such a
	7'	time and s	uch and such a tinc, you wouldn't know what he was
	8	asking you	?
	9	A	No. I didn't say that. That's what you said. If
	· 10	he tells m	e what's the matter with the child, giving me the
-	11	laboratory	data and then condition or' the child, then I would
• •	12	tell him.	
	13	Q	Well, I'm talking about Ancy Hinkle.
	14	Α	No, you didn't say that.
-	15	Q	Okay. Well, I'm saying it now.
	16	λ	All right. ~ ellthat's what I'm asking you.
	17	Q	How closely should this child have been monitored
	18	between th	e tine of admission and the tine or the cutdown?
	19	À	Just as he was.
	20	٠Q	Just as he was?
	21	A	Yes.
•	22	Q	No closer?
· ·	23	Α	You know, he was in virtually constant observation
			111

)		BARLOW & JONES P. O.BOX 160612 MOBILE, AUBAMA 36616 (205) 476-0685	
	1	у someone all the tine.	
	2	Mho was the soueone?	
• .	3	A Family, nurses, physicians.	
	4	2 Okay. Did the doctor - did the child receive	
	5	sips of clear liquid between the time of admission and the	
	6	tine of the cutdown?	
•	7'	A I don't know.	
	8	a Should hc have?	
	9	A You know, I mean, no. I think that the order was	
	10	written. I mean, if he did, that was fine. If he didn't,	
-	11	that was also fine. He was going to get an IV done. And	
-	12	that was within a reasonable period of time.	
	13	Q The order was written, and if he did it was fine	
_	14	and if hc didn't it was fine?	
-	15	A Well, and you know, after they put the IV in,	
	16	and if he wanted clear liquids and sips of clear liquids,	
**	17	that's finc.	
	18	Q How about before they put the IV in?	1
	19	It's only a natter of four hours three hours	
12	20	before he has the IV in. So I don't see any reason to, you	
	21	know, if that if the child wanted it, that was fine.	
•	22	Q Okay. Now, what would be the impending signs and	
~	23	symptoms of a child who suffers a cardiac arrest due to a	
 		- ' *•	
		112	
)		BARLOW & JONES P. 0.80X 1606 12 MOBILE, ALABAMA 36616 (205) 476-0685	
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• -	1	metabolic abnormality of electrolytes?	
	2	A You're saying a hypothetical case?	
	3	Q Yeah. I mean	
	4	A All right. At what age?	
	5	Q At the age that Andy Hinkle was. What do the	
	6	texts and the nedical literature ana what does your : ::::	
-	7	experience tell you about whet the signs and symptoms would	
· .	8	be?	
	9	A usually there are none.	
	• 10	Q None?	
-	11	A .Right.	
•	12	Q So the first you would expect to know about a	
• •	13	problem in a child who had a metabolic abnormality of	
•	14	electrolytes would be when they had E cardiac arrest?	
	15	A That may be the case. Certainly sometimes, you	
	16	know, children - you know, as a manifestation of an	
-	17	impending cardiac decompression, will manifest them. But they	
	18	ao not have to manifest then.	
	19	It can be just a sudden event. It's just like	
	20	anybody that you monitor in the hospital, and why that	
	21	people that <i>htvc</i> heart attacks you put in an intensive care	
e' - •	22	unit. You monitor then with an E%, and then you'll Bee lf	
~	23	they have any deviations iron that.	
		113	

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BARLOW E JONES P. 0.BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685

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· •	1	Q Well, is that the way it happens most of the tine,
	2	that there arc no impending signs and symptoms in an infant
	3	like this?
	4	A With a metabolic disturbance, yes. If everything
	5	appears to be nornal at the time or admission in terms of
	6	electrolytes ana in terns of clinical exam, then how do you
	7	anticipate it? I nean, I don't know how to anticipate it.
	а	Q Well, I'm not asking about anticipation cow. I'm
	9	talking about impending signs and symptoms. Does he just
	10	A Well, but that's part of
-	11	Q roll along and everything gine and then all of
-	12	a sudden his heart stops?
	13	A Certainly that happens.
	14	Q Okay. Is that the way it happens nost of the
-	15	tine? t
	16	
• •	17	
	18	Ω Yeah.
	19	
	20	Q
	21	A
~ _	22	Q That's the way it happens most of the time?
	23	h Yes.
		114

		P. 0-%0X 160612 **MOBILE, ALABAMA 36616 (205) 476-0685
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-	1	Q All right. Is that 'documented in the medical
, • .	2	literature?
	3	A It's docunented in the literature that I review.
<i>.</i>	4	Q Okay. What specific literature?
	5	A Twenty years or reviewing literature.
	6	Q Well, you don't have any specific textbook that
	7	discusses that?
	8	A I don't use a specific textbook, Mr. Cunningham.
	9	Q You don't have any textbooks in your office?
•	10	A I have about two hundred.
-	11	Q Okay. Well, do any of those discuss it?
	12	A Yes, I'm sure they do.
	13	Q So you would be able to provide textbooks to
	14	support your theory in this case, wouldn't you?
-	15	h No. That's what you said. I did not say chat.
	16	Q Okay.
a 1	17	A I said that my clinical experience, in review of
	18	articles, books, texts over the years, have given me the
	19	reassurance that this occurs.
	20	Q Okay. Well, is there textural material that
	21	describes this phenomenon that you have described occurred in
	22	Andy ?
	23	A I'm sure there is.

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<i>t</i> .		P.O.BOX 160612 Mobile.Alabama 36616 (205) 476-0683	
	ı	Q Okay. And it would be in some of the	hose textbooks
• 4 •	2	you have, wouldn't it ?	•
-	3	A I would guess it would be.	
	4	Q Okay. And you wouldn't mina provid	ing me with
· · · · · · · · · ·	5	copies of that, would you?	• •
- 	6	A Yes. Because I don't know where	you know, I
•	7	can't go specifically you know, I'd have to	go
	8	through twenty years of review. And I don't the	nink I'd
	9	have the tine to do that.	4
	10	So you don't think there's any text	you could put
-	11	your hand on and pull out a	
-	12	A It's common knowledge, Mr. Cunningh	am, in
	13	practicing medicine and taking care of acutely	111 chilaren.
	14	I don't think it needs documentation.	, •, ·
	15	Q Common knowledge?	
	16	A Yes.	an the second
	17	Q Okay. ~ uyou keep talking, about-tw	venty years.
	18	Is that how long you've been practicing medicing	ne?
	19	A Yes.	
	20	Q Okay. In that twenty yezrs, you've	never had it
	21	happen, though?	
	22	A Oh, yez, I have.	
	23	Q You hzve?	<u>منبع</u>
· . :			

•		BARLOW & JONESS P. O. BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
,		
•••	l	A Absolutely,
	2 ²	Q A child with pyloric stenosis?
4	33	A No. No. You didn't say that, You said here a
• •	4 [‡]	metabolic abnormality or a cardiac arrest. At least that's
	5 [;]	what I thought you implied.
• •	6;	Well, how many have you had that had a metabolic
	7 ⁷	abnormality just like this in a six week old infant with
•	8 ³	pyloric stenosis who died?
•	9,	A Okay. I told you I haven't had any or' those. But
	, TO)	you made your general question as to children that had
	11 ^l	metabolic abnormalities having a sudden cardiac arrest. That
-	122	certainly occurred. It's occurred to ne, It's an
	13 ³	unfortunate, tragic situation which nobody can prevent.
-	14 ¹	Q All right. And those metabolic abnormalities can
	15 [;]	be caused by multiple things, can't they?
	165	A Absolutely.
. ·	17 ⁷	Q Okay. Have you ever had one caused by precisely
	1 8 ³	what we see more with precisely the same clinical course mu-
	1 9 ⁹	the same lab findings?
	20	A 110,
	21	Q Now, what was the position of this infant
	22	immediately prior to the time of the cardiac arrest?
· · · · · · · · · · · · · · · · · · ·	23	A As best I can determine, the baby was on its back
		117

- And		BARLOW & JONES P. O. BOX 160612 MOBILE. ALABAMA 36616' (205) 476-0685
•	1	lightly elevated.
•	2) On its back? What was slightly elevated?
• •	3	4 Seems to me that the nurses said upon bringing the
	4	shild back to the room that they had a towel wrapped under
	5	the back.
	6	Ckay. All right. And was that positioning
	7`	appropriate?
	8	A Appropriate for what?
	9	Q Appropriate €or that child.
	10	A Yeah. I mean, I don't see any reason that the
/ / •	11	child shouldn't be in that position with a saphenous vein
	12	cutdown.
	13	Ω What why do you say with a saphenous vein cutdown?
	14	A Well, because the catheter is in the leg. And,
-	15	you know, it's more appropriate to hrve the child on the back
	16	with being propped up.
- 	17	Q Okay. Why would you worry about the child being
•	18	on its stongely with a estheter suching and the had don't
	19	that what you are talking about?
	20	A Well, it can be. You know, you'd like to keep the
	21	catheter in as much view as you can.
e." .	22	Q Okay. Now, is a child more likely to aspirate on
·	23	its back or on its stomach?
	To and	118

•		BARLOW & JONES P. <i>O</i> .sox 160612 "Mobile. Alabama 36616 (205) 476-0685
	1	A Do you mean just any child?
• • •	2	Q Yeah. Just any child,
	3	A At what age?
•	4	Q At this age with pyloric stenosis.
	5	A I don't know. I mean, you know, aspirate, do you
	6	mean just when the child vomits and then aspirates?
	7	Q Well, if you don't know what aspirates means,
	8	that's fine. Just tell me.
	9	A No. That's not what I asked. I'm not trying to
	[.] 10	De difficult, believe me.
-	11	Q .Well, I won't comment on that. I'm csking you
-	12	whether or not a child is more likely to appirate on its
	13	stomach or its back?
	14	A I think the child can aspirate in any position at
-	15	thet age.
	16	Q All right. The question is not whether not can
•	17	they aspirate, but in which position are they more likely to
	18	aspirate?
	19	A You know, if the child is propped up and vomits
	20	whether it's on the back for on the stomach it's liable to
	21	aspirate.
	22	Q Okay. Can aspiration cause a respiratory arrest?
	23	A Unless it's just overwhelming aspiration, no, not
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		BARLOW & JONES P. 0.BOX 160612 MOBILE. AUBAMA 36616 (205) 476-0685			
··	l	if it's just a little bit.			
- - - - - -	2	Q Can aspiration cause laryngospasm?			
* *		A I've not bad the opportunity to see that.			
	4	Q Well, even though you may not have seen it, do			
	5	you, based on your twenty years of experience, know whether			
	G	or not aspiration can cause laryngospasm?			
	7	A I suppose anything is possible. The probabilities			
	8	are no.			
	9	Q Okay. That it cannot? .			
	10	A Right.			
	11	Q Did this child aspirate?			
	12	A Yes.			
	13	Q Did it aspirate during the ten to fifteen minute			
	14	period prior to its cardiac arrest?			
•	15	A Not based on the data. It appears that the child			
	16	aspirated either that morning or sometime beforehand, because			
	17	the infiltrates that were recorded were present very shortly			
	18	after. And it takes a long period of time for the			
	19	infiltrates to develop. so I'd have to say the child didn't			
	20	aspirztc			
	21	Q Ail right. How do you know the child didn't			
	22	aspirate during that five to ten or fifteen minute period			
-	23	prior to the arrest based on thore reports? How do you know			
	× 10:	120			

BARLOW & JONES P.O.BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685 that? 1 Because there were really no new findings on the 2 Α • chest x-ray. . -3 Well, would there have to be chest x-ray findings 4 0 if the child aspirated? 5 . You have to have something to base your findings 6 Α 7 on, and that's all we have. 8 All right. You've got no barium in the lungs. You have 9 Ā 10 infiltrates that were present acutely. And those take time 11 to develop; so I'd have to say no, there's no evidence to support chat. 12 13 Q Okay. Did the 'child youit inneulately prior to its arrest? 14 15 A According to the notes, no. According to the observations of the parents, no. 16 Q 17 Okay. 18 And see, I think that's the whole key in this Δ entire case, Mr. Cunningham. The father, the mother and the 19 z mother-in-law, or whoever else was in the room, noticed this 20 child arch his back first before anything else occurred and 21 becone cyanotic. 22 ÷., 23 That indicates to me that the child had a primary 121

		BARLOW & JONES P. 0. 80X 160612 'MOBILE. AUBAMA 36616 (205) 476-0685		
- %				
	11	cardia	ac problem, did not have a respiratory arrest. It was	
	2	only n	noted after the nurses cane in that there was some	
••	31	pateri	al in the nouth. And I'm not sure what that was. It	
	41	could	have been mucus, could have been anything.	
	5;	Q	What color was it?	
	6;	h	They described it as being white.	
	7 " [`]	Q	All right. Did the child choke immediately after	
	8	its ca	rdiac arrest?	
	9	A	I would have to say no. There were no sounds.	
	10	Q	All right. What did the nurses do immediately	
-	11	upon a	rrival in the room?	
-	12	A	Which ones?	
	13	Q	Eos many of them cane immediately?	
	14	Α	TWO.	
	15	Q	All right. What منت those two nurses do?	
	16	Α	They attended the chila, tried to clear the mouth	
	17	out an	d establish whether there was an appropriate airway,	
	18	which	is what they should have done, and then instituted	
	19	resus c	itation.	
	20	Q	Was an airway established?	
	21	Α	Within three ninutes by the anesthesiologist.	
	22	Q	All'right. that is tho appropriate drug than = 😓	
	23	for a (child who suffers 2 cardiac arrest like Andy did?	
			122	

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	•
\?ell, the I mean; one bas to firse of all see	
whether there's any cardiac rhythm and then, you know, decide	
on what the type of rhythm is. If its atrial I mean if	
it's ventricular fibrillation, one would probtbly shock the	
child first and then replace with bicarbonate, with	
Epinephrine, with other cardiac support nedicincs.	
O Okay. Would that would you want to do that	
immediately in a situation like this?	
A No. You first establish try to find out what	
the problem is, establish the airway, get that stabilized and	
and give the appropriate medications.	
Q Okey. Well, that's what I an trying to find out.	
You establish the airway and be sure you've got a patent	
airway?	
A Right. That was aone in three ninutes. I don't	
know of anytime that it could have been done any quicker,	
Q All right. And during that tine, I guess the	
hcnrt was king massaged?	
A Well	
Q CPP: was being done; is that right?	
A I don't know that.	
Q Well, shouldn't it have been done?	
A Well, no. I mean, it depends on whether they felt	
-	_
	<pre>whether there's any cardiac rhythm and then, you know, decide on what the type of rhythm is. If its atrial I mean if it's ventricular fibrillation, one would probably shock the child first and then replace with bicarbonate, with Epinephrine, with other cardiac support nedicines. 0 Okay. Would that would you want to do that immediately in a situation like this? A No. You first establish try to find out what the problem is, establish the airway, get that stabilized and and give the appropriate medications. Q Okey. Well, that's what I an trying to find out. You establish the airway and be sure you've got a patent airway? A Right. That was aone in three ninutes. I don't know of anytime that it could have been done any quicker, Q All right. And during that time, T guess the heart was king massaged? A Well Q CPR was being done; is that right? A I don't know that. Q Well, shoulch't it have been done? A Well, shoulch't it have been done? A Well, shoulch't it have been done? A No. You and the time, The the the the time that the the time that the the the the time that the time thet the time that the time that the time that the time that the thet the time that t</pre>

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		BARLOW & JONES P. O.BOX 160612 MOBILE, AUBAMA 36516 (205) 476-0685
	1	that there was a pulse. obviously they felt there was a
•	2	pulse at that time.
	3	Q Well, was there a pulse at that time?
. •	4	A Well, you know, I assume there was.
	5	Q Is thet consistent with a cardiac arrest?
	6	A Well, it can - certainly after the baby comes back
•	י7	end after the baby is stimulated, certainly you can have the
	8	pulse cone back.
	9	Q Well, ciid this baby come back immediately insofar
	10	as its heart activity?
	11	A According to the EKC tracings the child had a sign
-	12	wave then came back with cardiac complexes with elevated
	13	I-waves.
	14	Q All right. Well, how long was the child actually
-	15	in cardiac arrest?
	16	A I don't know that. I don't; think anybody knows "
-	17	that.
-	18	Q Ail right. What drugs would you want to
	19	administer immediately?
	20	MR. HOLMES: He didn't say he'd administer any
	21	drugs immediately.
	22	HR. CUMMINGEAM:
· •	23	Q All right. Would you not administer any drugs
	Į.	124

BARLOW & JONES P. 0. BOX 160612 BILE, ALABAMA 36616 (205) 476-0685

1 innediately?

2 As I told you, my -- the way most people approach Α 3 a cardiopulmonary arrest is to, one, determine os best they . 4 can quickly what's occurred, establish the airway, establish 5 an IV, give bicarbonate, because there's almost invariably acidosis. 6

7 This child has an IV in already? 0 Right. That's what I'm saying. But that's -- you 6 А 9 asked me the sequence. And the hypothetical sequence is --10 And the sequence is establish an airway? 0

11 Α Right.

Q

23

.

12 Q And if you've got an IV in, what do you do next 13 after you've established an airway?

14 Then you give what medications you think are Α appropriate based on the cardiac rhythm or based on the 15 16 clinical assessment.

17 Q Okay. Do you want to do that as quick as you can? 18 Α Well, I mean, as quick as it's certainly feasibly possible in a hospital. 19

Okay. Now, I take it from your testimony that you 20 0 have never been of the opinion that Andy aspirated or --21 No. 22 Α •

Let ne rephrase that. Excuse me.

e.

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		BARLOW & JONES P. O. BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685
	_	New have never here of the opinion that appiration
	1	You have never hen of the opinion that aspiration
	2	caused the cardiac arrest?
	3	A That's correct.
	4	Q Okay. Did you have occasion dering the follow-up
	5	care of Andy to hzve numerous conversations with Hr. Einkle?
۰.	6	A Yes.
	7	Q Did you know Mr. and firs. Einkle to be extremely
	8	concerned about what had caused Andy's cardiac arrest and
	9	subsequent brain damage?
	10	A Yes.
-	11	Q Did you ever tell him that in your opinion it was
-	12	a metabolic abnormality of electrolytes?
	13	
	14	
~	15	Q Well, certainly if you had the opinion at that:
	16	tine that that was the cause you would have told the parents,
-	17	wouldn't you?
	18	A I may usually, you know, you let the primary
	19	care physicians take care of their patients. And unless I
	20	was asked directly, I night not nave expressed that in that
	∥ 21	tern.
	22	Q Well, did you ever express that opinion to the
	23	primary care physician?
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I expressed the opinion chat the child had a 1 Α 2 cardiac arrest. And I based it, you know, on what I thought 3 occurred. Now, whether I used netabolic abnormality or 4 electrolyte disturbance or what hava you, I don't know. I it 5 mean, I can't tell you. I mean, that's six years ago. 6 You don't know whether you told told the treating 0 7 physicians? 8 I do know that we had discussions about what the Δ 9 cause was. And my opinion has not changed. Ω Okay. Now, you said you hadn't talked to any 10 other attorneys other than Mr. Dufry and Mr. Leach and Mr. 11 Do you recall --12 Holaes. No -- well, excuse mc. A 13 -- having a meeting at your office with Mr. Gordon 14 0 Tabor and Hr. Albert Copeland? 15 Yes, I do recall. 16 Α 17 And with another attorney? 0 18 Α Yes. 13 And Go you recall having a discussion et that Q meeting about the specific subject of what had caused Andy's 20 cardiac arrest? 21 No, I don't recall the substance of that 22 Α comersation. 23 127

)		BARLOW & JONES P. 0. BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
	1 2	Q You don't recall anything about the substance of it?
•	3	A We talked - I think they asked ne about his condition at that time.
÷	5	A I think he asked me about his condition at that'.
•	7 ⁻ 8	time and, you know, what his prognosis vas and so forth. You lam~,this was done over at the University of South Alabama.
	3 10	I do remember that now. And I didn't you know, I wasn't trying to not tell you that. I just didn't recall.
-	11 12	Q All right. And you don't have any recollection of any discussion at that neeting about what had caused Andy's
	13 14	cardiac errest? A You know, I don't recall what I said, no.
	15 16	Q Okay. All right. Did you state at that meeting that in your opinion one of the probable causes was
* *	17 18 19	A Lo, I don't think I would have said that. A All right. Did you state at that neeting that
	20 21	there were gaps in the patient s chart surrounding the barium swallow and upper GI series as well as the venous cutdown
-	22 23	procedure? A Again, I told you I can't remember the substance
	.	128

•)			BARLOW & JONES P. 0.BOX 160612 MOBILE, AIABAMA 36616 (205) 476-0685	
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• 1	1	of the con	versation.	•
	2	Q	.Okay. Did you tell him that you did not k	now 'if
······································	. 3	the child'	s stomach had been emptied following the ra	diology"
₩•• <u>1</u> , =	4	procedure,	which is standard procedure?	• ، ، ، • • •
.	5	A	No, I wouldn't have used that term.	
	6	Q	All right. Did you tell then that, in you	
•••	7 -	opinion, t	he most probable cause of the cardiac crres	st was
	8	aspiration	of barium?	•
. 1	9	1	No.	
	· 10	¢	Did you tell then that you could not rule	out
-	11	aspiration	by reading the <i>x-ray</i> reports?	
1	12	A	Are you reading from a summary or the aisc	ussion?
	13	Because I'	ve never seen that.	
	14	Q	I'm asking you a question.	
-	15	Α	Is that what you are reading fron?	
	16	Q	I'm asking you a question.	•
	17	A	No. I told you I don't remember what I di	scussed
	18	with them.		
	19	Q	Did you tell them that you could not rule	out
	20	aspiration	by reading the x-ray reports because the f	irst tuo
	21	films were	overexposed and the reports indicate they	Wele
-,	22	difficult	to read?	
~	23	Α	No, I wouldn't have said thst.	Ser .
			• •	

BARLOW & JONES P. O.BOX 160612 MOBILE.ALABAMA 36616 (205) 176-0685 All right, sir. It there anything clse you 1 0 remember about that conversation? 2 3 Δ It vas a long tine ago. No. 4 Q All right, fir. Is there any reason you would 5 hzvc bad at that neeting not to tell exactly what you thought about the case? 6 7 I mean, I have no reason to tell anything any No. differently at anytime. . 8 Q Ail right. And back in 1979, your recollection of 9 10 the races and details about this case was a lot better than it is now, isn't it? 11 Sone of them. But I can't held accountable for 12 Α 13 things that I don't review and approve, you know, of my 14 coriversations. Now, the electrolyte imbalance that existed in 15 0 16 Andy, would there, in your opinion, have been any changes in" 17 his laboratory reports if further tests had been done between 18 the time of admission and the time he arrested? 19 A I suppose that is -- yeah, that's possible. 1. كمغي 20 What would you expect to have seen change? 0 21 Δ I wouldn't have expected anything to change. I,U saying - you asked ne if it was possible that there would 22 23 have been sone changes.

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BARLOW & JONES P. 0. BOX 160612 ·--. MOBILE. ALABAMA 36616 (205) 476-0685 1 Q All right. Well, I'm asking you now, would you 2 have expected to see any changes? 3 Α No, not if there wasn't any further escessive voniting, if there wasn't any excessive fluid loss, weight 4 loss, anything that changed, which obviously didn't. 5 Q 6 Okay. All right. 7 A So I wouldn't expect any changes. 8 Q So you would expect his lab picture, then, to be 9 the same at the time of the arrest immediately before as it was on admission? 10 11 I would have anticipated that that would have been А 12 the case. But that's not the way medicine occurs. Things 13 change. 14 Are you telling me you would expect to see changes 0 15 or you wouldn't? 16 No, I said that I would not anticipate it. Im Α 17 saying that doesn't always happen, though. All right. Hell, let me rephrase the question 18 0 then. 19 110 si 20 I want you to assume that all of the lab tests 21 that were performed on admission --Again, this case, we're talking about? 22 A A. 23 0 Right. • 131

BARLOW & JONES P. 0.BOX 1606 12 MOBILE. ALABAMA 36616 (205) 476-0685

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	23	A Do you mean looking at that prospectively before	
	22	change between the previous ones and	
	21	arrested. What, if anything, would you have expected to see	
	20	assume that it had been done five or ten minutes before he	
÷	19	Q Is irrelevant to my question. By question is,	
	18	A Whether it was done at 11:25 or 2:00 p.m.	
• •	17	Q Right.	
	16	A Talking ebout the admitting laboratory data.	
· •	15	thar you referred to?	
. • 1	14	Q Do you know which ones I'm talking about, the ones	
	13	HR. CUMMINGEAN:	
-	12	tine of 2:00 o'clock, 2:00 something.	
-	11	MR. HOLMES: In fact, I think they carry the	
•	10	admitting lab tests, whenever they were performed.	
	و	MR. CUNNINGHAM: Well, let's call t em the	
•	8	tine or' admission. "	
• .	7.	that the lab tests were performed on admission or at the	
•	ឲ	question, because I don't think it's been established	
۰.	5	MR. HOLMES: Just a ninute, I object to the	:
	4	A Well, I would	
eri Notoer Notoer	- 3	on those lab reports?	
	2	cardiac arrest. What findings would you expect to have seen	
-	ı	- were performed ten ninutcs before Andy had a	
		BARLOW & JONES P. 0-BOX 1606 12 MOBILE. ALABAMA 36616 (205) 476-0685	

)		BARLOW & JONES P. O. BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
3		
	1	the want or now?
	2	Q Nov.
	3	A Okay. Yeah. I mean, I - now, knowing that the
· · ·	4	child had a cardiac arrest, knowing what his potassium was .
· ·	5	afterward and knowing that he received that mount of
•.	6	bicarbonate, then yes I would have said that maybe the
	7	potassium was higher than it was on addission. But there's
	8	no way to anticipate thzt. There would be no way to do that.
	9	Q I'm not asking abour anticipation, okay? .
	10	A Well, it's part of the way you treat patients, Mr.
· · ·	11	Cunningham.
` -	12	Q But that's not what I am asking you,
	13	A Yes, you are. You're asking me to interpret
	14	Q No, I'm not.
~	15	A a set of data and give you an opinion. I have
	16	to do it the way I treat patients.
:	17	Q Well, how about answering my questfon, okay? And
•	18	the question is, if that had been done five or ten minutes
	19	before the arrest, tell me what differences you would expect
	20	to have even between the test done then and the test done on
	21	acmission.
۰.	22	A Given the sequence or events in retrospect and not
~	23	prospectively
•.	ſ	
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· • •	•••	BARLOW & JONES P. O.BOX 160612 MOBILE, AUEAMA 36616 (205) 476-0685
•	ı	2 In retrospect.
	2	A Okay. And looking at it now, from knowing the
	3	shild had a cardiac arrest -
	4	2 Right.
	5	4 Then yes , I anticipate Imean , I would have
	6	expected, us it was in the laboratory findings, that the
•	7'	potassium was elevated after a certain mount of bicarbonate.
	а	Again, not knowing that and not expecting that that should
	و	occur.
	10	2 All right. If tests had been cone ten or fifteen
-	11	minutes before and if, hypothetically, you had found this
•	12	increased potassium, what, if anything, would you have done?
	13	A Depends on what the level of the potassium was.
	14	Q All right. Well, what do you expect the level.
	15	would have been if you had done the test?
	16	A I don't know.
• • I -	- 17	Q Don't have any idea?
•-	18	A No.
	19	Q What would you consider to be elevated to the
** ***	20	extent that it would cause you grent concern?
	21	A Anything in excess of five point five, five point
-	22	seven.
~	23	Q All right. Well, let's assume it was five point
		134

BARLOW E JONES P. 0.80X 160612 -MOBILE, ALABAMA 36616 (205) 476-0685

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,ı. -		· · ·
	1	seven ten ninutes before the arrest. What, if anything,
••	· 2	would you have done?
	3	
		A Now, we're assuming hypothetically all of this
. *	4	occurred?
	5	Q Absolutely.
	6 	A Okay.
	7	Q Absolutely
	a	A Well I might have said, look, the child has
	9	
	• 10	
-	11	normal, then I night have said, let's repeat it. Because in
	12	small infants, you can sometimes have hemolyzed blood samples
	13	and the potassium is falsely elevated.
	14	So instead of treating the laboratory test, I
	15	would then repeat it since I was assured the child was in no
	16	particular distress. If, in fact, the EKG revealed that the
	17	child was suffering from hyperkalemia, and repeat laboratory
	18	
a.	19	would treat that in an appropriate manner; one by giving
-	20	bicarbonate, insulin, glucose, etcetera.
	21	Q All right. You used tile term hyperkalemia; is
· •	22	that right?
~	23	A Yes.
<u>· -</u>		
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and the state of the	Trice Sta	

		EARLOW & JONES P.O.BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
I =	1	What numbers in this child would indicate he was
	2	hyperkalemic?
	[.] 3	A At what time?
	4	Q At any time.
	5	A Well; the post potassium the post arrest
· · · ·	6	potassium was five point three.
ı, <u> </u>	7.	Q Okay. Is that hyperkalenic?
·	8	A That's above the normal limits. $\frac{1}{2}$.
 	9	Q Okay. Now when, in your opinion, did he become
	10	hyperkalemic?
. • .	11	A I con't know of any way to teli you that.
- -	12	Q Well, was
	13	A I mean, in retrospect
	14	•- it before he arrested?
	15	A Well, it may well have been. That is a
	16	probability.
3	17	Q Okay.
	18	A But that is not necessarily what occurred.
	19	Q Okay. Well when, in your opinion, did he probably
	20	become hyperkalemic?
4 M.	21	A Probably shortly before the arrest.' Now, what
-	22	that level is for every individual is different. I mean, you
•	23	could have a potassium of six point: eight and not have any
		136

· .		P. O.BOX 160612 - MOBILE. ALABAMA 36616 (205) 476-0685
-	1	symptoms. Sone individuals of five point five can have a
•••	2	cardiac arrhythmia. We don't know What that is. You have to
	3	assess the total clinical situation.
	4	Q Was he hyperkalemic on admission?
	5	A No.
•	6	e Was he hyperkalenic an hour after admission?
	7	A Well, I'd have to look when this second set of
	a	electrolytes were drawn."
	9	Q Was he hyperkalemic 'at 3:00 p.m.?
	10	A On the day?
-	11	Q Yes.
-	12	A No. There were no laboratory tests dome.
	13	Q Well, in your opinion, was he hyperhalemic at 3:00
	14	p.m.?
	3.5	A I con't knot7 how to answer that.
	16	Q Well, he arrested at what time?
	17	A At 4 :20.
	18	Q All right. And you have no opinion whether or not
	19	he would have been hyperkalemic at 3:00 p.m.?
	20	A Well, if he was, he wasn't manifesting any
	21	symptoms, which would
	22	Get isn't the question.
~	23	A Yes, it is.

•			BARLOW & JONES P. 0.BOX 160612 'MOBILE.ALABAMA 36616 (205) 476-0685	•
	l	Q	No, it isn't. It's not the question	on I'm asking
ng 1 ga ta	2	you. I'm	not asking whether he manifested sy	mptons or
*** *** * * * + + - , ** * - \$	3	whether an	ybody knew it,	· · · · ·
· · .	4	Α	But I have to answer the questions	the way I want,
• •	5	not the wa	ay you want,	
	6	Q	Well, you tell me whether or not,	in your opinion,
	7	he was hyp	xerkalemic at 3:00 p.m.	
	8	A	I said no.	
	9	Q	No. All right, Was he hyperkalen	ic at 3:30 p.m.
	10	A	Excuse me. Let me correct that.	I said I aon't
-	11	know .		_
-	12	Q	You don't know. Was he hyperkalen	ic at 3:30 p.m.
	13	A	Idon't know.	£.7
	14	Q	Was he hyperkalenic at 4:00 o'cloc	k? •
-	15	A	I don't how.	
	16	0	Was he hyperkalenic at 4:15?	2014 201 2014 - 2014 2014 - 2014
	17	A	Again, I don't know.	۵۰ می مد ۱۰۰ می مد
	18		Was he hyperkalemic at the time he	arrested?
	19	A	I don't know. He was hyperkalemic	
		arrested.		
	20		Mall in your eminion did time.	
	21	ן ע 	Well, in your opinion, did his myp	erkaleura cause
-	22	or contrib	bute to the arrest?	44
	23	A	As I have said before, that is a p	probability. An
• 	- -			
	-			138 ****

BARLOW 🏝 JONES P. O.SOX 160612 OBILE, ALABAMA 36616 (205) 476-0685 1 in my opinion, thet is the most likely probability. But when 2 it occurred, I cannot tell you. I don't have the laboratory 3 data. 4 Well, certainly you would agree that it would 0 5 occur before the arrest if it caused the arrest, wouldn't 6 vou? 7 Α I said I -- yes, I 8 Q You agree with that? 9 Α I did say that. 10 Q Okzy. All right. And your statement is that you 11 don't know when before the arrest? 12 Ā No. 13 0 In that right?" 14 A That's correct. 15 And you don't know the degree to which he became 0 • 16 hyperkalenic before the arrest; is that: correct? 17 I don't know bow to tell that. Α 18 Q Is there treatment available for infants who arc 19 hyperkalenic? 20 21 their problem is, whether they are symptomatic. Sone 22 children are chronically hyperkalemic. a+. 23 Q All right. Is there treatment available for `; 139 /

		BARLOW & JONES P. O.BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685
	1	children who hzvc pyloric stenosis with hyperkalenia who are
	2	about four to six weeks of age? Is there any way to treat
	- 3	it?
	4	A If it is symptomatic, yes.
•	s	3 All right. How do you treat 1t?
	6	A I've already said that.
•	7.	Q Well, tell ne again. I forgot. How do you treat
	8	•
	9	A You can either give a substance called Rayemalate,
	10	which takes a little while to work. You can give other
-	11	substances such as bicarbonate, glucose, insulin.
-	12	Q All right, What's the fastest way to take care of
	13	hyperkalemia?
•	14	A Certainly by intravenous medications of vhichever
-	15	you choose.
	16	Ω Okay. If you have a child under these same
;	17	circumstances I just described who is hyperkalenic and you
	18	administer the proper medication, how long would you expect
	19	it to take to correct the condition?
	20	A IC depends on the degree and depends on the other
	21	situation, and I mean on other factors. It nay take, you
	22	know, twenty minutes, it may cake thirty minutes, it may take
	23	two hours.
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BARLOW & JONES P. 0. BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685

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1 ·	2	Okay. And is it a matter of putting the
·. 2	medication	n into the IV and then into the child; is that all
- 3	it involv	es?
4	Α	Yes.
5	Q	Okay. Have you ever treated children who were
. 6	hyperkalen	nic?
7	Α	Yes, I have.
8	Q	Okay. And how as you deternine whether or not the
9	condition	is being corrected? Do you do further blood
· 10	studies?	
11	h	And you follow the patient clinically.
12	Q	Okay. Now, have any of the patients that you have
13	treated for	or hyperkalenia exhibited any signs and symptoms?
14	Α	Some have, some have not.
15	Ω ا	All right.
16	A	As I said, you know, there have been a large
17	number of	children that are hyperkalemic without any
18	symptoms.	
19	Q	Are there any signs and symptoms for hyperkalemia
20	described	in the medical diterature?
21	A	Certainly, there are neny.
22	Q	Are there any classic signs and symptoms?
23	Α	Usually they will have an abnornal EKG.
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BARLOW & JONES P. 0.BOX 160612 MOBILE. AUBAMA 36616 (205) 476-0685

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	1	Q	All right.
• •	2	Α	They nay be in congestive heart failure. They may
	3	be in rem	al failure. They may have an infection. They may
· •	4	have muse	e disease. They may have a whole host of symptoms,
	5	Q	Did this child have any of those?
	6	Α	BO .
	7.	Q	All right. Now, what was his potassium
	8	immediate	y after the arrest?
••	9	h	I believe it was five point three.
	10	Q	Okay. And does that mean that ut the tine that
	11	test was o	lo-ne that he was hyperkalemic?
-	12	Α	That means he was slightly hyperkalemic. But this
	13	is after n	eceiving a large amount of intravenous medications.
	14	So I don't	know what it was before. And it may not have even
	15	been that	high
	16		But, you know, in a child that has been voniting 💖
2	17	that has	wloric stenosis it may be that, you know, five
	18	point five	e or five point four way be enough to trigger a
	19	cardiac an	rest.
	20	Q	All right. Well, do you have any literature which
	21	supports t	the propsition that five point two or five point
and the second s	22	three is e	nough to trigger a cardiac arrest?
	23	Α	I think in the given not a single isolated
	57.5		142

4		BARLOW & JONES P. O.BOX 160612 'MOBILE. ALABAMA 36616 {205} 476.0685
;• - ,		
	l	event. Again, you want to isolate s ingle characteristic
	2	findings. You don't practice medicine that way. You have to
	• 3	practice it with a constellation.
v	4	Q I didn't ask you about practicing medicine. I
·	5	asked you whether or not there are any textbooks that say
	6	that.
	7.	A You asked me, in my opinion, how we assess certain
	8	laboratory values. At least that's what I assume you're
	9	saying
	10	Q No. I'm asking you just what I asked you, whether
-	11	or not there are any texts that indicate that five point two
· •	12	is Going to result in a cardiac arrest in an infant?
	13	A The texts indicate that electrolytes that are out
	14	of the range of normal have the potential of causing
-	15	problems.
	16	Q Well, I know. Bur: there are all kinds of problems
7	17	aren't there? That's not a very specific term. And you like
	18	to be specific, right?
	19	A Un-huh.
	20	Q There are all kinds of problems that are not as
	21	baa as a cardiac arrest; correct?
, .	22	A Yes.
in the second se	23	Q All right. Well, do any of these texts talk about
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BARLOW & JONES P.O.BOX 160612 MOBILE. AUBAMA 36616 (205) 476-0685

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1	Eive point	two producing a cardiac arrest in an infant?
2	A	I'm sure they do.
. 3	2	Okay, Which ones?
· 4	A _	I don't know.
5	1	All right. Now, you say was it five four after
6	the arrest	?
7		Five point three.
8		Five point three. All right. And what is the
9	range of v	alues for normal?
10	Α	Well, let's get the Mobile Infirmary laboratory
11	sheet, bec	ause it's for each laboratory. And I believe five
12	point one	is the upper limits of normal.
13	Q	Eow about the lower limits?
14		, MR. DUFFY: Normals are on the back, and I
15	don't	they werewed the back.
16	А	No, they're on the front.
17		MR. DIFFY: They are?
18	Α	Wait just a ninutc. It's three point six, I
19	believe, b	ut let me correct that. Three point six to five
20	point one.	
21	HR. CUNNER	ig han :
22	Q	And Andy's after the arrest ~ ~ faivs point three;
23	correct?	•••
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BARLOW & JONES P. 0.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685

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1	-	A	Correct.
. 2	2	Q · .	And what tine was that?
3	I	A 1	we'll have to find the laboratory sheet. I can't
4		remember al	l of those details. Unless your copy in your
5		records has	the time it's covered over by this, so I don't
. 6	;	know what ti	me that was.
7	•	Q	Dkay. Well, I don't know either. Would you
8		expect some	body to have done some lab studies fairly rapidly
. 3		after he ar	rested? -
· 10		h	Yes.
- 11		Q	All right. It's Hive point three. Now, what
12		medication w	as he given between the tine of the arrest and
13		whenever th:	blood study-was done?
14		Α	I'll have to go back to the orders. I don't
- 15		remember al.	the medicines that he was given.
16		Q	Okay.
17		Α	Do you want to do that?
18		Q	Sure.
19		A	Okay. All right. Reading from Mr. Duffy's copy
20		of the Mobil	le Infirmary hospital records I wonder where
21		the resusci	tation sheet is. I wonder if it's in the progress
22		notec.	-
- 23			(Pause)
 .		·	
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4		BARLOW & JONES P. O.BOX 1606 12 MOBILE. ALABAMA 366 16 (205) 476-0685
2		
	1	A Okay. I think I've got it here.
•	2	Q Okay. What medication was given immediately after
<u></u>	3	the arrest?
	4	A Well, let me first identity from where I am
	5	rcading. Do you see a date on here?
	6	MR. DUFFY: This is the first day.
•	7	A This is on this is, again, reading from Mr.
	8	Duffy's copy of the Mobile Infirnary records on 2-22-78. And
	9	thin is the nurses notes.
	10	And at 4:30, Epinophrine point three milligrams
-	11	intravenously was given. 4:35, sodium bicarbonate ten cc's
N	12	was given. The heart rrtc ~ a thirty per EM;. Atropine
	13	point five milligrams was given IV. The heart rate was
	14	forty. Sodium bicarbonate ten cc's given IV. Epinephrine
•	15	point four milligrams. Isuprel pint two milligrams. Heart
	16	rate was one ninety.
-	17	Eow far do you want me to keep going?
-	18	HP. CUNNINGHAM:
	19	Q That's fine. Which of those medications would you
	20	expect to have an effect on the potassium level?
	21	A The sodium bicarbonate.
,. 	22	Q All right. Now, the ten cc's I think a total
	23	of, what, twenty cc's was given?
		146

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e —		(205) 476-0685
	l	A That's up until 5:30.
· · · ·	2	Q . All right. Em, how nuch of an increase would you
•	3	expect to see in the potassium level by the administration of
••••••	4	that?
<u>.</u>	5	A I don't know. It's just variable, Hr. Cunningham.
: . · .	6	I don't know whether I can tell you that.
	7	Q Well, you don't have any idea?
	8	A No
	3	Q But you would expect to see it increase?
	· 10	A More than likely. But that may not be the case.
#-	11	Q Well, more than likely it would increase, wouldn't
	12	it?
	13	A Yeah. But I'm saying, you know, I don't know.
	14	Q Well, if the potassium level increased by virtue
-	15	of the administration of the sodium bicarb after the arrest,
	16	wouldn't that indicate to you that his potassium level before
•	17	the arrest \IPS within normal limits?
	18	A That's assuming, you know, that the blood was not-
	3.9	hemolyzed. There arc a number of factors involved, okay?
	20	So, you how, i don't know how to specifically answer that.
	21	I would have to say that yes, in most likely it was
	22	higher. How nuch higher, I don't ha?. It cay not have been
	23	any higher.

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4		BARLOW & JONES P. O.BOX 160612 MOBILE. AUBAMA 36616 (205) 476-0685
•	1) Okay. All right.
•	2	A And if it wasn't any higher, then we're talking
	3	bout mechanism number two in the cause of the cardiac arrest.
	4	2 All right. And mechanism number two is what?
	5	A Is a braidy cardia + vasovagal response.
•	6	2 All right. You wouldn't expect to have a child -
	7	whose potassium was within normal limits to suffer a cardiac
	8	arrest from hyperkalemia, would you?
	9	A No, I would not expect that.
	10	Ω All right. And don't the facts in this case
	11	indicate that Ancy's potassium before the arrest was within
-	12	normal limits?
	13	A That's correct.
_	14	Q All right.
	15	A But that was done at 2:00 o'clock.
	16	Ω All right. Well, I thought you said earlier you
	17	don't pa~,;whether it woad change or not between
	18	a Well, I aid. But I mean, it may well be higher.
	19	I'm just saying that was the level at 2:00 o'clock. We don't
	20	know what the lwei was between 2:00 and 4:20.
	21	Q All right. So you say it night have gotten higher
	22	before the arrest?
	23	A It may have, yes.
• •		
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of the factors
r		BARLOW & JONES P.O. BOX 160612 •MOBILE, ALABAMA 36616 UOSI 676.0685
4		
	1	2 All right, Well, then, if you gave the sodium
	2	bicarb twenty cc's, what would you expect to see if it were
	• 3	higher than five point three?
	4	A What do you expect the see in terms of what?
	5	Q It would go قصیت, wouldn't it?
	. 6	A Well, but it may have been five point six and gone
	7.	down to five point three.
	8	Q All right. No way to know that, though, is there?
	9	A No.
	· 10	Q Now, is there anything in the literature that you
~	11	are familiar with which says that you can expect an infant to
	12	have a cardiac arrest with a nornal potassium level fron
	13	hyperkalemia?
	14	A Certainly I thin!: anybody can have a cardiac
-	15	arrest at anytime. I mean, if you have an anomalous coronary
	16	artery you don't have to have
	17	Q Well, I didn't state my question clearly. I'm
	18	talking about a cardiac arrest produced by hyperkalenia.
	19	A No. I mean, I think if it's due to byperkalenia,
	20	you have to be hyperkalemic.
	21	Q Okay. And you don't know if this child was
	22	hyperkalemic or not, do you?
~	23	A We do you ncan before the arrest?
	A.	A THE STATE OF A STATE

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	ı	Q Before the arrest.
	2	A No. The level was five point one.
	3	Q Okay. All right. Now, your second probable cause
	4	was a vaçovasal (sic) response?
· • .	5	A No.
•	6	Q Vasovagal?
	7'	A That's correct.
	8	Q Resulting in <i>teverc</i> prolonged bradycardia
	9	resulting in cardiac arrest; is that right?
	10	A Correct
	11	Q All right. Now, define for me severe prolonged
· -	12	brac; cardia.
	13	A Well, anything longer than thirty seconds.
	14	Q Anything longer than thirty seconds
	15	A Yes.
	16	Q is severe prolonged bradycardia?
-	17	A Yes.
	18	Q \bat is bra&cardia?
	19	A Decrease in heart rate below eighty.
• • .	20	Q Below eighty?
	21	A In this size
	22	Q So seventy-nine would be bradycardia, right?
· · · · · · · · · · · · · · · · · · ·	· 23	A In this sized infant, yes.
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4		BARLOW & JONES P. O.BOX 160612 MOBILE, AUBAMA 36616 (205) 476-0685
« —		
	1	Q Seventy-nine would be bradycardía; is that
	2	correct?
	- 3	A That would not bradycardia. That's not severe
••••	4	brady cardia.
	5	Q Well
* • 1	ເ	A Below forty would be severe bradycardia.
··· ••	7.	Q Below forty. Okay. Well, is it your opinion that
	8	this child hed severe prolonged bradycardia, that is, below
• •	3	forty?
	[.] 10	A (Witness nods head affirmatively).
-	11	Q All right. Prolonged for how long?
	12	A You know, I don't know. I'm saying that is
	13	Q Well, under your definition what did you say,
	14	thirty seconds?
-	15	P The heart: rate at 4:50 was thirty. That's after
	16	medication. So I'd have to assume that the heart rate was
•	17	less than that at the time the resuscitation was started.
	18	Q Nell, if he had a cardiac arrest it certainly
	19	would hzvc been less than that, wouldn't it?
	20	A Well, maybe.
	21	Q Inean, it wouldn't be
L.,	22	A But I mean, you know, you can start and have the
~	23	heart at a = you know, ten, twenty, thirty.
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4		BARLOW & JONES P. 0. BOX 160612 MOBILE, AUBAMA 36616' (203) 476-0685
·		
	1	Q Yeah. Okay. But at any rate, minus forty you
	2	contiacr severe brady cardia?
	· 3	A In thio child at this age, yes.
	4	Q Okay. And you say prolonged to you means thirty
	5	seconds or longer?
	6	A We're again using general terns. You know, I
	7 -	don't want to be held, you know, to total specifics. Yes
	8	Q Well, i wean, it was your term, not nine.
	9	A I understand. I'm saying that.
	10	Q So thirty seconds or
-	11	A I'm just clarifying it.
-	12	Q longer is prolonged to you?
	13	A Yes
	14	Q Now, in order to reach a state of severe prolonged
	15	bradycardia, wouldn't you expect to child to suffer some
	16	other kind of bradycardia?
	17	A I aon't know what ocher kind of bradycardia you're
	18	talking about.
	19	Q Well, is there mild to moderate?
	20	A Well, you know, anything decreasing from a heart
	21	rrtc that's appropriate for the condition at the time down to
	22	Q All right.
-	23	A levels which would compromise cardiac function
	tie -	152

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4		BARLOW & JONES P.O.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
.1		
	1	would be a you know, a aecrease from nornal.
-	2	Q All right. And you used anything below eighty as
	3	brady cardia?
•	4	A Depending, again I told you on the clinical
•••	5	Q In an infant like this.
	6	A Well, in an infant with cortain ocher problems.
	7 -	Q Okay. Now, you wouldn't expect it to just drop
	8	from eighty to forty like that, would you?
· •	9	A Well, it depends. If it goes into heart block,
	10	you will.
a fore wa	11	Q Well, how about in this case?
· •	12	A Nell, I mean, that may well have been what
	13	happened.
	14	Q Well, with a vasovagal response resulting in
-	15	severe pro onged bradycardia, you wouldn't expect to it to
	16	drop just from eighty to forty, would you?
:	17	A Wait a minute. But you're going - you know,
	18	you've got to tell ne what you are referring to, mechanism
	19	number two, or whether what could occur in this child.
	20	The child could certainly develop mild bradycardia then go
	21	into heart block in a natter of seconds.
	22	Q Well, is that your opinion about what happened in
	23	this case?
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	1	3 It could have been: I told you that it's number
	2	one, nmber two and number three. They are not totally
•••	⁻ 3	exclusive of each other.
	4	Well, I'm on nmber two now.
	5	A That's not totally exclusive of going into heart
	6	block.
	7	Q Okay. Well, what I are trying to find out now is,,
	8	though, thio prolonged - severe prolonged bracycardia, would
	9	that be preceded by any changes an heart rate?
	10	A Well, yes. I mean, obviously
-	11	Q Okay.
-	12	A to go from a rate, you know, which is
	13	appropriate for a child with a particular condition down to
	14	what we would term bradycardia, yeah. I nean, it would have
-	15	to decrease.
	16	0 Well, if that, in fact, is what happened in this the
:	17	case, tell ne over what period of tiuc the heart rate
	18	accreased to forty?
	19	A I don't know.
	20	Q You don't have any idea?
	21	A Could be thirty seconds, could be the minutes.
'	22	0 Could be ten minutes?
~	23	i Possible.
•		
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، 		BARLOW & JONES P. O. BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
< _		
		2 Okay. Twenty ninutes?
		A I think down to a rate of forty would be unlikely
		without any symptoms.
		Q Okay, What symptoms would you expect to see?
•		A You know, you would expect to see emactly what
	6	happened in this child, perhaps, you know, a cardiac arrest,
;** ••	7	arching of the back, cyanosis.
	8	Q Well, wait a minute. Perhaps a cardiac arrest
	و	wouldn't be a symptom of it going down to forty, would it?
	· 10	A Well, 'you know, you can have have the symptoms
-	11	that loo:; like a cardiac arrest at that particular rate.
-	12	Q All right. I'm tying to find out the symptoms your
	13	would expect to see as it-went iron eighty down to forty,
	14	which you characterize as severe.
-	15	A Cyanosis.
	16	Q All right.
•	17	A Shortness of breath. Rapid respirations.
	18	a 213 sinht
	19	A IrritabilityThrashing.
	20	Q All right. What else?
	21	A You know, that's you know, I think that's all I
,	22	can think about right now.
·	23	Q All right. And over what period of time would you
		155

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с -			
	1	expect to s	see those symptoms develop?
	2	A	Well, it depends on over the period of time that
	3	the bradyca	ardia develops.
•••	4	Q	Which, in this case, could have been five or ten
•	5	minutes?	
	6.	Α	Well, no. You know, I'm you know, not without
	7 -	symptoms.	In this case, no. That's not what occurred,
· · ·	·8	because we	had no symptoms.
	3	Q	Okay. And you conclude because you have you
• • •	10	had no symp	toms, that therefore it had to have occurred
• •	11	tapidly2_	
-	12	A	Rapidly, yes.
	13	C	Is that correct?
	14	A.	Yes.
	15	Q	How is it you know that there were no symptoms
	16	during the	ten minute period prior to the arrest?
•	17	A	By reading the depositions of the-parents and the
	18	depositions	of the nurses bringing the child back up to the
	19	room. You	know, they noted no no deviations.
	20	Q	What tine did the nurses bring the child back to
	21	the room?	
-·.	22	A	Let ne refer to the record. 4:10.
in a start where the start whe	23	Q	Okay. What time did the child arrest?
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4		SARLOW & JONES P. O.BOX 160612 MOBILE, ALABAMA 36616 12051 476-0585
.€		
	1	A At 4:20.
• •	2	Q Okay. Now, tell me what the records reflect about
	3	the child's condition as noted by the nurses between 4:10 and
• .	4	4:20?
	5	A Says returned to the room per crib per MS. Spicer.
	. 6	N infusing.
	7	C! All right. What do this notes reveal about the
	8	child's condition between 4:10 and 4:20?
	9	A Well, it doesn't reveal that there is anything
	· 10	abnormal. And usually nurses chart abnormal findings. And
-	11	if the child is Line, they don't have to put in there that
-	12	the child is fine, well and in good health.
	13	Q Well, were this nurses in there between 4:10 and
	14	4:20?
-	15	A if they returned the child to the room at 4:10,
	16	then I assume somebody was in there.
-	17	Ω From 4:10 to 4:20?
	18	A Well, I don't know whether they were exactly there
	19	fron 4:10 to 4:20.
	20	Q That's what I am trying to ask you, Doctor.
	21	You've got opinions about the case. Do you know is the
	22	nurses were there?
~	23	A No. I don't know if they were there. And I'd '
	**[12] **	157

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· · ·		
	1	have to go back to their depositions to be absolutely
-	2	accurate.
	3	Q All sight, Now, in this list of sips and
	4	symptoms of dropping blood pressure, which would you expect
	5	to see first?
	6	A No dropping what blood pressure?
	7	Q When the presure dropped down to severe, as you
	8	characterized it earlier.
	3	A We're not talking about blood precsurc.'
	10	Q Heart rztc. Excuse ne.
-	11	B <u>Okay</u> .
· -	12	Q You've listed cyanosis, shortness of breath, rapid
	13	resirations, irritability and thrashing?
	14	A Right.
-	15	Q All right. Now, in what order would you expect to
	10	see those develop?
-	17	A I think -
	18	MR. HOLMES: Do you mean if they developed?
	19	IF. CUNNINGHAM:
	20	Q He likes to try to help you because he s
	21	MR. HOLMES: No. I'm
	22	IR. CUMMINGHAM:
-	23	Q worried about whether you can answer it without
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	1	any help.
•	2	A I think I can.
	3	Q But I think you're doing fine.
	4	MR. HOLIES: I think he's going fine, too.
	5	NR. CUNNINGHAM:
	6	Q So which would you expect to see first?
	7	MR. HOLMES: I object to the forn of the
	8	question,
	9	A I don't know. They can be any they can cone
	10	together, be in any sequence.
	11	MR. CUMMINGHAM:
	12	Q Okay. Now, tell me how you concluded that this
	13	child did not becone cyanotic before 4:20?
	14	A Well, by the observation of the you know,
	15	nobody nobody made any cote to the fact that the child was
	16	cyariocic. It was only in the nurses observation when they
* ** * *	17	entered the room that the child was slightly cyanotic at that
	18	time.
	19	Q Nobody made any note that the child was cyanotic?
	20	A The depositions of the parents and the
	21	mother-in-law did not state that the child was blue,
<i></i>	22	cyanotic.
× .	23	Q Well, there are varying degrees of cyanosis,
		159

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: :		
-	1	aren't these?
	2	A Well, I think that if somebody bad a cardiac
	3	arrest
	4	Q . We're not talking about a cardiac arrest, are we?
	5	A Well, if somebody had significant cyanopis enough
	6	to be prompting a cardiac arrest, I think that somebody night
·	7'	see it.
	8	Q Well, we're not to the cardiac arrest yet.
	9	A But you're ten minutes
•	10	Q I'm talking about the period of tinc that you and
, -	11	I have been discussing, that ten minute period
-	12	A Right.
	13	Q when this blood pressure may well have been
	14	or the heart rate may very well have been dropping.
• •	15	A That's correct.
	16	Ω Okay? That's what I am talking aboot. Now, tell '
•	17	me how it is you conclude that at no time during that period
•	18	was this child cyanotic?
	19	A Well, I'm telling you by the observations in the
	20	dcpositions and chart thet I've read.
	21	Q Well, now, the nurses weren't in there during that
· • • • •	22	period, were they?
<u> </u>	23	A They were in there at 4:10.
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EARLOW & JONES P. O.BOX 160612 MOBILE. AUBAMA 36616 (205)476-0685 1 They weren't in there between 4:10 and 4:20? 2 The parents in there between 4:10 and 4:20. Were the nurses in there, according to their 3 leposition, bctwccn 4:10 and 4:20? 4 5 MR. HOLIES: For how long? 6 MR. CUMMINGEAM: Any period of time. 7 A It's my recollection that they were. But I'll 8 save to go back and verify that. It's your recollection that they vere? 9 Э Pes. 10 Δ 11 All right. And so if they were, you would expect 0 12 them to see some or these signs and symptoms? If they occurred, yes. Α 13 Bow about if they weren't in there, now 14 Q Okay. would you expect the parents to diagnose ohortness of breath? 15 Let's clear up something, Er. Cunningham. You 16 Α know, again, we're not expecting the parents to do anything, 17 okay? This is a child that's not expected to have a cardiac 18 arrest. Nobody's looking for this child to have bradycardia. 19 20 Ō Right. Why would - you know, the nurses, if that was 21 A expected and everything was reflected, the child would 22 Ghave been put in the intensive care unit to observe. 23 161

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٢		BARLOW & JONES P. 0. SOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685
.*		
	1	Q Well, now, things
	2	A But what you're
	3	Q happen every فعل in the hospital that aren't
••	4	expected, don't they?
•	5	A That's right. Exactly. Like this, in this case.
	6	Q All right. And you look you check patients for
•	7	a reason, don't; you?
-	a	A Well, they were there ten ninutes before the
.	9	event.
•	10	Q All right. Well, I'm asking you whether or not
	11	this patient developed any of those signs and symptoms before
-	12	he arrested?
	13	A Not that I can find.
•	14	Q Okay. Ana you conclude that because there is E?
	15	absence of any note in the record; io that right?
	16	A No. I conclude that because there is no note to
-	17	the effect that that occurred, which is the way most people
	18	chart. You chart positive findings the majority af-the time.
	19	Q Okay. All right. Well, did thio child become
	20	cyanotic before the arrest?
	21	A Not as reflected in the chart.
	22	Q Hc did not?
\sim	23	A Iio.
•. 		
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and the second			BARLOW & JONES P. O.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
,			-
	· 1	Q O	kay. Did he become snort of breath?
	2	A No) .
	- 3	Q Di	id he develop a rapid respiratory rate?
	4	A No	- -
	5	Q Di	iu he beconc irritable?
	6	A No	•.
	7 -	Di	id he thrash?
	8	A No	.
	9	מ אז	l rignt.
	10	A Ur	nich means that the event occurred acutely.
-	11	Q Wh	nich means what?
••	12	A Th	hat the event of the cardiac arrest occurred
	13	acutely rathe	er than over a period of tine.
	14	Q AI	Il right. Or it means that it occurred over a
-	15	period of tin	ne and nobody caught at; correct? ¹
	16	A lic	o. I've already stated that if the symptoms were
	17	there, somebo	bdy would have seen then. And I would think that
	18	parents in a	room and a child that is irritable, thrashing,
	19	cyanotic, wo	uld have been observed.
	20	б ц	f the symptoms were there, somebody should've
	21	seen than?	
	22	A No	5. Isaid ==
-	23	Q I:	s that correcc?
	1	· .	E service and the service of the ser
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		BARLOW E JONES P. O.BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
	1	A somebody would have.
	2	Q Oh. So you can't
	3	A You said should have.
	4	Q conceive of the possibility that thy were
	5	there and not seen?
	6	A 'Oh, I think anything is possible, Mr. Cunningha.
	ז'	Q All right. Okay.
	8	Q Eut we deal the probabilities.
	9	Q You don't know, as a matter of fact, whether they
	10	were or weren't there dcring that period, do you?
-	11	A Okay. I'll try to do it one more time.
-	12	HR. HOLMES: Who was there?
	13	MR. CUMMINGEAM: These signs and symptoms.
_	14	Q You con't know whether they existed leading up to
	15	the arrest or not?
	16	A Okay. I'll try to state it: one more time.
	17	According to the records, the review of the depositions and
	16	the observations, they dia not exist.
	19	Q Okay. If they did exist, should the impending
	20	cardiac arzest have been-diagnosed?
	21	A Nay have been just something
	22	you know, something totally unrelated. But should've
~ `	23	deserved attention. But again, it didn't exist. And I
 	<u> </u>	164

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	1	issume you	're talking hypothetically, because those are
• •	2	facts thet	arc not in evidence, ut least in the charts that . I
•	3	have read.	5 La ¹
•	4	3	Okay. But if those sips and symptoms did exist,
	5	the child	should have had some attention; correct?
-	6	Α	Yes.
	י7	Q	All right. What would you want to do for a child
	8	who began	to develop any of these signs and symptoms in the
	9	context or	this case?
	10	Α	Well, you try to find out: what's going on.
	11		How do you go about doing that?
	12	Α	Well, again, you go to the bedside, you listen to
	13	the heart,	feel the chest, see whether the airway is okay and
	14	do EKG, if	that's necessary.
	15	Q	All right.
	16	Α	You know, to try to assess what it is, I mean, 14t
	17	could be a	seizure, it could be anything.
	18	Q	Well, how about if you check the heart rate and
	19 	it's down	to about fifty, what would you do?
	20	Α	Then I would be concerned that the child is nor
	21	not gettin	g adequate oxygen
	22	Q	All right.
	23	2	or some other cause of bradycardia T mean. is
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	BARLOW & JONES P. O. BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685
1	the child going into heart block.
2	2 All right. And what would you do?
<u> </u>	A Well, then I would do what's based on the
. 4	findings. You have to tall me exactly what you want and I'll
5	tell you what I would do.
6	Q You would treat the child's brady cardia?
7`	A No. I would
8	Q Do something to try to restore the heart rate?
9	A I would treat the child's clinical condition, one
01	of which the symptoms is brady cardia.
11	Q All right. And if you did that, you would do it
12	with with the hope of avoiding a cardiac arrest, wouldn't
13	you?
14	A Yes, or other things.
15	Q Okay. What was this child's heart'rate at 4:10
16	when he was brought back to his room?
17	A I don't know.
18	Q Is it charted anywhere in the record?
19	A Not that I can find.
20	Q Isn't heart rate an important vital sign in a
21	child this age under these conditions?
22	h Well, certainly. But again, it depends on how the
23	orders were written as to how they should be taken and
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BARLOW & JONES P. 0, BOX 160612 'MOBILE. ALABAMA 36515 (2255476696655)

÷. 1 thether, even if they're not written, then if it dictates byy 22 the clinical condition that it ought to be taken, then someone would do it, 33 . - . 44 Well, should somebody have taken this child's 2 Peart rate? 55 Plot if the child's condition didn't change any. 66 A 77 Why would you want to do it at that particular time? so the only --88 2 99 Δ The only focusing on that tiuc is in retrospect, 100 because we know that ten minutes later this child had a 111 cardiac arrest. But if you take a hundred patients in the 122 hospital, why would you want to do it? 133 Well, what was the heart rate at the time of the 0 144 cutdown? You know, I cion't know. 155 Α 166 Q Well, is that a time you might want to check the heart rate? 177 18 I - you know, they may well have. I don't know Α 19 what happened. 20 Well -- so you don't know what his heart rate was Q 21 at the cutdown? The child had no symptoms, okay, of a decreased 22 Α - . . . 23 heart rete. 167

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•			· · · · · · · · · · · · · · · · · · ·
	1	2	Well, you ha? that, but yo ~ don't know what the
	2	heart rate	was?
	3	A	No. As I told you, I don't know. It is not
•	4	charted.	
	5	Q	Ail right. Well, see if you can find it, if you
	6	will.	
•	7'	A	I sait it's not charted.
	8	Q	It's not?
	9	Α	That's correct, at least that I can find in the
	10	chart.	
-	11	Q	Well, was it charted immediately before the
-	12	cutdown wa	s done?
	13	A	What do you mean by immediately?
	14	Q	Well, within thirty minutes?
	15	A	It was charted at 11:25.
	16	Q	All right. When was it charted after 11:25?
-	17	Α	It wasn't.
	18	Q	Is there any reason not to chart a heart rate on
	19	an infant	who's having a cutdown
	20	Α	I don't
	21	Q	in his condition in the hospital?
	22	A	That's dictated by the you know, the orders and
~	23	the physic	ians and so forth. Sometimes it's not necessary.
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1 If the child, according to the physician who's in attendance, 2? and the nurses, is stable and having no problem. 31 So a physician orders haw often the heart rate 2 41 should **be** checked? Α That's correct. 5; 6; С What do the orders in this case reveal insofar as; 71 checking the heart rate? 81 A Okay. I'll have to refer to the records, if I cam 3 find then. 10 (Pause) 11 A Okay. Reading from the admitting orders on 12 8-28-78, and there are -- there is no specific request for 13 vital signs. Expever, nost physicians, if it's not 14 requested, either t.i.d. or q.i.d. 15 What docs t.i.d. mean? Q 16 Α Three tiaes a day or four times a day. 17 Q What about q.i.d? 18 Α Four tines a day. 19 Q Do you know which one was done on this child? 1 20 Α I mean, we only had five hours, GO I don't No. 21 know. It obvicusly was changed after that. Okay. What is a vasovagal response? 22 Q 23 Α That's when the impulses from the vagus nerve go ۰. 169 ويتر المح

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	1	to the heart and reduce the heart rate.
1	2	Q Inpulses from the vagus nerve go to the heart?
•	- 3	A Dh-huh.
	4	Q What causes then to go there?
•	5	A Well, I mean, that's the innervation to the heart
•	6	fron the brain.
·	7 -	Q Well, does the vasovagal nerve always innervate
	8	tha heart?
	9	A In most of us, yes.
	10	Q Ckay. Well, why would it cause a reduced heart
	11	rate?
-	12	A Well, because that's what happens physiologically
	13	if you get excessive impulses from the vagus.
	14	Q Okay. Well, when you say a vasovagal response, is
-	15	it your testimony, then, that Andy had excessive impulses
	16	running from his brain to his heart through his vasovagal 🤲
	17	nerve?
	18	A If that's what happened to him, yes.
	19	Q Okay. Now, how do you know that?
	20	'A What do you mean how do I know it?
	21	Q Ear ao you know he had excessive inpulses going
**	22	between his brain and his heart through his vasovagal nerve?
L	23	A Because that's the mechanism in which vasovagal
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1. m	1	effects occur. And if that's what happened, that's what
	2	occurred. Now, there are many cause of a vasovagal
	3	response,
• .	4	0 Well. what caused his vasovacal response?
	5	A I don't know.
	6	Q What caused him to have impulses going between his
	7'	brain - his heart through his wasovagal merve that caused
	8	the heart rate to be reduced?
	9	A It could be any one of a number 04 things. I
•	10	nean, it could be reflum, you know, where food can just go up
-	11	and down the esophagus. It can be stimulation. It can be
	12	pressing on the neck.
	13	Q Can it be choking?
	14	A Only after significant hypoxia ensues. But if
-	15	that occurs, you would have sounds that are made. You would
	16	have noises.
-	17	Q So it could be choking?
	18	A Well, no. But you'd have symptoms with the
	19	choking. Okay 3
	20	Q All right. And could it be laryngospasm?
	21	A Yes. But again, one has symptoms of stridor. "No u
••• •	22	have other things that go along with that.
-	23	Q All right. Eo you can have laryngospasm that
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	1 ¹ 2 ²	esults in a vasovagal response which causes <i>E</i> reuuccd heart ^t
· 1	- 3 ³	A Yeah. But you have to have the clinical picture
·- ·	4 ⁴	3f laryngospasm.
w -	· 5 ⁵	Well, now, you don't always have to have a perfect
	6 ⁶	clinical picture for you to have laryngospasm, do you?
	7 ⁷	A But you have to have something.
	8 ⁸	2 You have to have something?
	9 ⁹	A Yeah.
	100	Q Like whst?
•	11 ¹	A Well, you have to have either a noise, stridor. I
	12 ²	mean, you have to heve something that would go along with
	13 ³	laryngospasm.
	14^{4}	Q Did the child have anything that goes along with
-	15 ⁵	laryngospasm? .
	16 ⁶	A Not that I can find.
:	17 ⁷	Q Nothing?
•	18 ⁸	A Nothing.
	19 ⁹ "	Q Okay. Do you know why about three doctors than
	20	treated him diagnosed the problem as laryngospasm?
	21	A Well, I would can give you some reasons why I
e	22	think that occurred. Recause T think in any cituation, as in
~	23	medicine, one enters into a differential <u>diagnosis</u> . And you
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BARLOW & JONES P.O.BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685 1 consider a lot of possibilities. And at the time you do 2 that, you write those down, to be perfectly honest. 3 But that wasn't the case. And after they go back 4 and have the time to reflect, as we have over siz years, it 5 is not a possibility, Q All right. What e/se can cause this vasovagal 6 7 response? 8 In -- usually increased intrathoracic pressure, 9 decreasing venous return. 10 Q All right. What else? 11 I'm sure there are otker causes. I just can't h think of then right now. 12 All right. Do I understand your testimony to be 13 Q 14 that you don't know if he had a vasovagal response that caused the bradycardia? 15 16 By testimony is that given this clinical Δ situation, given the findings that are recorded in the chart 17 18 and given the subsequent sequence of events, I think that the two or three possibilities that I have listed are the 19 . 7 probabilities that were active in the problem that this child 20 21 had. It's getting to be about 12:00. I need to take a 22 A 23 break or -173 State States

NR. CUNNINGEAM: We can take a break. That's fine. Come back at what time y'all want to come back? (Off the record discussion) (Lunch Break) NR. CUNNINGEAM: Q Dr. Chalhub, what is your opinion os the cause of thic vasovagal response resulting in severe prolonged
<pre>fine. Come back at what time y'all want to come back? (Off the record discussion) (Lunch Break) MR. CUNNINGHAM: Q Dr. Chalhub, what is your opinion os the cause of tlic vasovagal response resulting in severe prolonged</pre>
back? (Off the record discussion) (Lunch Break) NR. CUNNINGHAM: Q Dr. Chalhub, what is your opinion os the cause of thic vasovagal response resulting in severe prolonged
(Off the record discussion) (Lunch Break) MR. CUNNINGHAM: Q Dr. Chalhub, what is your opinion os the cause of thic vasovagal response resulting in severe prolonged
(Lunch Break) NR. CUNNINGHAM: Q Dr. Chalhub, what is your opinion os the cause of thic vasovagal response resulting in severe prolonged
NR. CUNNINGHAM: Dr. Chalhub, what is your opinion of the cause of the vasovagal response resulting in severe prolonged
Dr. Chalhub, what is your opinion os the cause of tlic vasovagal response resulting in severe prolonged
tlic vasovagal response resulting in severe prolonged
bradycardia, which is iten number two on your list of
probabilities?
A Well, you know, as I've already said, it could be,
you know, certainly a number of things that caused this
particular event.
In this child it may well have been reflux, it may
well have been excessive stimulation, it may well have been
just the you know, the condition of the child. But more
than likely, possibly esophageal reflux.
Q Esophageal reflux?
A YCS.
Q What is that?
A That's where contents of the stomach just go up a
short way in the esophagus and stimulates the vagus nerve.
Q Okay. How high up in the esophagus?
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	1	A Well, I mean, it has to be certainly below the
	2	mouth and the throat because there was no vomitus.
	3	3 Okay. Well, how high up do you have to have
	4	esophageal reflux in order to get this vasovagal rcsponoc?
•	5	A It can be you know, it can be just right at the
	б	GE junction.
-	7	Q Okay. So when you say esophageal reflux, what is
	8	the difference between that and voniting?
	9	A Well, many people can have reflux coning from the
	10	stomach up into the esophagus. If it doesn't come out the
-	11	mouth, it's not veniting.
	12	Q All right. So the difference is how far up it
	13	goes up the digestive tract?
	14	A That's correct.
	15	Q So you think it may have been esophageal reflum
	16	which stimulated the vasovagal nerve?
	17	A Yes, that is a probability
	18	Q Okay. Now, where is the vasovagal merve locted?
	19	A Well, the vague comes from the brainstem, the
	20	tenth cranial nerve. And it has multiple pathways and goes
	21	to multiple organs.
· -	22	Q All right; well, which one of the nultiple
	23	pathways was stimulated in this case?
a X	Ŧ	175
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1 Just the esophagus. 2 All right. 3 And then there are impulses that go back up into ٧ the brain, and then it comes back down to the nerves that go 4 5 :o the heart causing the bradycardia. Okay. And I guess this is a documented condition 2 6 7 In the nedical literature? Yes. A 8 Okay. Now, many people have esophageal reflux 9 Э. 10 without having their vasovagal nerve stimulated to the point 11 that it causes brady cardia and cardiac arrest; is that 12 carrect? That's correct. 13 Δ 14 Why, in Andy Einkle's case, did his esophageal reflux cause bradycardia and cardiac arrest? 15 16 I don't think anybody can tell you that, Mr. Α 17 Cunningham. It's the same thing with a whole host of _____in 185 other diseases, why everybody doesn't have the same station, 199 why children who get viruses get encephalitis versus children 20 who don't get encephalitis with thic same virus. I don't 21 know. There's a certain hoot response that's unpredictable. 212 How many otherwise healthy children have you Q. treated who had esophageal reflux which caused stimulation of 23 5

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1	the vasovagal nerve to the point that they had a cardiac
2	arrest?
3	A Well, this wilt not a healthy child. The child had
4	pyloric stenosis with metabolic aberrations, and — if you
5	are referring to this particular situation. A child that's . :
6	absolutely nornal without any problem, I'd have to say none.
7	But that's not usually the children that we see
8	that have problens.
و	Q Okay. Let ue
• 10	A They may not have any other medical problems.
11	Q .All right.
12	A But if they cone in with GE reflux, then that may
13	be their problem, that may be their only problem. It's
14	especially frequent in newborns.
15	Q All right. Well, how many have you seen vbo had
16	pyloric stenosis a month or so old who had a metabolic
17	picture like Andy's who suffered esophageal reflux which
18	caused cardiac arrest?
19	A - I told you before, I've not seen any child with
20	pyloric stenosis that has had a cardiac arrest. But I have
21	seen children with pyloric stenosis that have had a certain
22	morbidity related to their condition and the degree of
23	problem when they came in.
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	11	Ω All right. Well, how many cases are you familiar _r
•	22	with in the medical literature where a child with pyloric
-	· 33	stenosis at four to sir weeks of age with the metabolic
•	44	picture that Andy had suffered esophageal reflux which
	55	cesulted in vasovagal response and ultimate cardiac arrest??
	66	I'd have to go back and look at the early British
	7 7	literature. I just don't know.
	86	2 So you've never experienced that personally?
	99	No. The reason I say that is, the British treat.
)	100	pyloric stenosis differently than the individuals in the
-	111	United States. use a medical approach as opposed to wee
-	122	using a surgical approach, because we think it decreases
	133	hospital time and morbidity.
	144	Q All right. When you say they use a medical
	155	approach, you nean they treat the condition without doing
	16	surgery?
~	17	A That's correct.
	18	Q What is the nortality rate in Britain with that
	19	procedure
	20	A I don't know.
	2]	Q for pyloric stenosis?
,- - •	2:	A I don't know the recent data.
-	2:	Q Well, what does the old data indicate?
:		
		178

1 N I just don't know that right now. 2 2 All right, Well, pyloric stemosis, then, can -3 treated medically as opposed to surgically; is that corr 4 A Yes. 5 2 And can be successfully treated medically; is 6 correct? 7' 7' A It takes a prolonged period of time, six to contain the successful time of time is a six to contain the successful time is a six to contain time is a six to	
 2 2 All right, Well, pyloric stenosis, then, can - 3 treated medically as opposed to surgically; is that corr 4 A Yes. 5 2 And can be successfully treated medically; is 6 correct? 	
 - 3 treated medically as opposed to surgically; is that corr 4 A Yes. 5 Q And can be successfully treated medically; is 6 correct? 	
4 A Yes. 5 2 And can be successfully treated medically; is 6 correct?	ect?
5 2 And can be successfully treated medically; is 6 correct?	
6 correct?	I.
	s that
7' A It takes a prolonged period of time, six to a	
	ight '
8 weeks -	
9 Q All right. And	
· 10 A And that doesn't always result in treatment -	• - I
- 11 mean treatment success.	
12 Q Well, how about here in the literature in the	;
13 United States where pyloric stenosis is treated surgical	1y,
14 how many documented cases can you tell us about where a	child
15 or' Andr's age and wit? his metabolic picture had esophage	lear
16 reglum which resulted in cardiac arrest?	
- 17 A You know, I don't review that literature, as	a
18 neurologist, frequently. So I don't know or the case	-
19 histories. I Lean, there may to a number, there may bo	none.
20 I just don't know of it	-
21 Q Okay. All right. So you don't know of any i	n th _b
22 medical literature and you've nover experienced any your	selr∰
- 23 A I didn't say they aidn't exist. I said I	⇒'
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	l	personally don't review that literature, so I don't know it.
	2	7 Okay. Well, that's what I'm trying to find out.
•	· 3	You don't know of any in the medical literature personally
	4	and you haven't experienced it ?
	5	A That's because I don't review the literature.
	6	Q I'm not asking why you don't know. I'm just
	7 -	establishing the fact that I think you have told me you don't
	8	know of any?
	9	A That's correct.
	10	Q Okay. And you've nor experienced any?
	11	A No.
-	12	Q Okay. Now, how often would you guess children
	13	with pyloric stenosis of Ancy's age and metabolic picture
	14	suffer esophageal reflux?
	15	A I don't know how to answer that.
	16	Q Well, did Andy suffer esophageal reflux prior to
	17	the tine of his cardiac arrest or during the ten or Fifteen
	18	minute period thereto?
	19	A I don't know about the ten or fifteen minute
	20	period. But I'm certain within the previous days when he
	21	vomited, I'm almost certain he had some esophageal reflux
	22	because he had an obstruction at the duodenum.
-	23	Q Okay. And he volited numerous times over a period
	4 Tr	180

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• • • • • • •	1 2 ' 3 4 5 6	of days before, didn't he? A Yes. Q Well, why is it that he didn't suffer a cardiac arrest when he had esophageal reflux on any of those occasions?
· · ·	' 3 4 5	Q Well, why is it that he didn't suffer a cardiac arrest when he had esophageal reflux on any of those occasions?
	4 5	arrest when he had esophageal reflux on any of those occasions?
	5	occasions?
	6	
		A Same reason that in otner situations, again,
	7	why people who have chest pain don't have heart attacks, I
	8	don't know. It's a host response.
	9	it's an individual response to a certain stress.
	· 10	
-	11	
•••	12	
	13	
	14	
-	15	
	16	Q Well, but if I understand you correctly, it's your
-	17	opinion that he had esophageal reflux on a number of
	18	occasions with no ill consequences?
	19	A That doesn't make any difference.
	20	Q I didn't ask ycu if it made any differences. Is
	21	that your opinion
	22	A Well
	23	Q that he suffered esophageal reflux on a number
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of occasions before thic tine of his cardiac arrest which 1 caused him to no particular problem? 2 An I allowed to answer the question the way I 3 Α 4 want? 5 HR. DUFFY: Sure. Can I answer it? 6 Α 7' MR. DUFFY: Go ahead and answer it. 8 IR. CUILIINGEAM: Sure. 9 As I have said, you know, I've given you the Α 10 probabilities in the order one, two, three. This is one 11 probability.. I have stated that, you know, based on the fact 12 that he was voniting for that period of tiuc, he nost 13 certainly had gastroeshopageal reflux. Because I'm sure that 14 there were times when the yonitus just didn't get to the 15 mouth and -- just by the obstruction at the end of the stonage 16 . So yes, it does occur. 17 Okav. And on none of those occasions did it cause 0 18 this vasovagal reflez? 19 A No. Because he hadn't had the cardiac arrest -Q Okay. 20 -- until he got into the hospital. А 21 All right. Why ciun't it cause this vasovagal 22 0 5.1 23 reflex on those ocher occasions?

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I don't think anybody can tell that you. 1 Α I can't 2 tell you that. You don't know? 3 0 No. Δ 1 All right. What was it about this occasion that 5 0 led the esophageal reflux to produce the cardiac arrest? 6 7 Α Again, I con't have any way of telling you that. 8 We have E tragic situation of an event that occurred in a 9 child that we have to explain. 10 And this most logical explanations, in my opinion, 11 are these. - There are no other explanations that I can cone up logically that would cause it. 12 13 I understand what your opinion is, but I'm trying 0 14 to find the basis for your opinion. I'm trying to give you that basis.' Because this 15 Δ is a mechanism which causes cardiac arrest in a child in this 16 17 particular situation. I know of no other pechanisms. You know of no other mechanisms that can cause a 18 0 cardiac arrest in a chila in this situation? 19 Other than the ones I have given you, given the 20 Α laboratory data and the findings and the eram of this child .. 21 All right. Well, what is it in the medical 0 22 literature that you can tell us about that supports your 23

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-	l	theory in this case that it was a vasovagal response to	
	2	esophageal reflux?	
-,	3	A It's documented in literature that I have had the	
	4	opportunity, since I have bccn in medicine, to review, that	
	5	esophageal reflux can cause vasovagal responses which can	
	6	result in prolonged bradycardia which results in a	
	7	cardiopulmonary arrest.	
	8	This is a circumstance in which that can occer.	
	9	This it a differential diagnosis. This is a differential	
	10	approach to a certain problem.	
	11	Q Cas all of that been in the medical literature for	
-	12	a significant period of time?	
-	13	A That this particular entity can occur?	
	14	Q Yeah.	
	15	A Yes.	
	16	Q Okay. And do you have to be a pediatric	
	17	neurologist to be familiar with it, or it that sonething that	
	18	nost physicians would know about?	
	19	A I can't speak for most physicians.	
	20	Q How about pediatricians?	
	21	A I.can't you know, I'm speaking for myself.	
	22	Q Well, how about Dr HcAtee?	
·	23	A You'll have to ask Dr. McAtee.	
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	1	Q Well, then, are you the only fellow	that had any
•••••	2	dealings with Andy Hinkle that you think Knows	about that
na Ariana Santa Tanàna	3	reflux?	
	4	A No. But you'll need to ask then wh	ether they know
• • • •	5	about it or not.	
	-		a) e montion
	6	Q Okay. Did anybody, including yours	
•	7	anywhere in the hospital record that as a pro	bable or
	8	possible cause of his cardiac arrest?	
	9	A I wasn't asked to express that.	
	' 10	Q Did you or did anybody else nontion	anywhere in
<i>c</i>	11	the hospital records that as a probable cause	of his cardiac
•	12	arrest?	t and the
	13	A If I was asked-to express the proba	ble cause, then
	14	I would have put it down.	
-	. 15	Q Is the answer, no, you didn't put j	t down in the
	16	record?	
	17	A No, I didn't put it down in these t	hree things as
	18	I have outlined to you. today.	••
	19	Q Did you put down any of them?	
	20	A Yeah. I put down cardiac arrest.	
	21	Q Did you put down any of the three '	'dings vou
	22	listed for me as the probable cause of the ca	
-	22	A I don't recall whether I termed it	inter a
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		EARLOW & JONES P. O.BOX 160612 MOBILE, ALABAMA 36618 (205) 476-0605
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•	1	no.
	2	3 Now, what do the touts say insofar as the
•	3	vasovagal response and the prolonged bradycardia in terms of
•	4	length of the bradycardia?
	5	A I don't understand that question.'
	6	Q Well, you said that the texts recognized that
	7	esophageal reflux can result in vasovagal response with
	8	prolonged bradycardia; is that right?
	9	A That's correct.
	10	Q I'm trying to find out what the texts and the
	11	literature say about the prolongation or the bradycardia, how
-	12	long you would expect to see it prolonged?
	13	A Well, I mean, you know, it depends, again, on the
	14	host, the age, etcetera, and how severe the bradycardia is, I
••	15	mean, whether it's, you know, seventy-nine, eighty-one,
	16	twenty-three and then whether symptoms will occur.
	17	Q Well, what
	18	A Different hosts can sustain certain things in
	19	different tines.
	20	Q All right. Well, what does the literature say
	21	about hosts that are four to sim wook old theorem in the
	22	hospital?
_	23	A They certainly are liable to have a
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	1	Cardiopulmonary arrest if the bradycardia is significant, and
•	2	significant being helow forty for a period, you know, of
•	· 3"	greater than thirty seconds,
• · ·	4	Q Okay. So the texts refer to a period of greater
	S	
	6	than thirty seconds? A The ones that I am familiar with, yes.
	7	Q All right. In the discussion of the prolongation
	а	of the bradycardia, they talk about thirty seconds? .
	9	A Well, you know, again, you're this comes from
	· 10	many sources. I mean, I can't get an erticle out or the
	11	textbook out and say, you know, for your particular situation
•	12	in this particular case with all of these laboratory - it
	13	just doesn't exist.
	14	You have to you know, as we do in medicine, you
-	15	correlate a whole host of case reports, articles and
	16	observations by individuals and, you know, make logical
-	17	conclusiona.
-	18	<u> </u>
	19	
		prolongation of bradycardia under these circumstances? A I'm sure it does.
	20	
	21	Q All right. Khat ranges does it give for an infant
~~	22	this age?
· • •	23	A You know, I'll have to go back and get the source:
,*-; 		

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	1	and give you the ranges. I mean, I'm just guessing tight now
4 · · · · · · · · · · · · · · · · · · ·	2	because they come fron different sources.
	3	So you don't know?
• • •	4	A No. I do know. I just can't 9 ve them to you
	5	specifically right now.
	6	Q Well, give then to me generally,
	7	A I can't. I've given you the general ranges.
	8	Below forty, thirty seconds. That applies whatever the
	9	mechanism is. Okay? I mean, whether the mechanism is heart
	10	block, whether the mechanism is vasovagal syncope I mean
-	11	or vasovagal response.
-	12	Q Well, I'm talking about the esophageal reflux with
	13	vasovagal response.
	14	A Well, the end result is the same.
-	15	Q I'm not asking about the end result. I'm trying
	16	to
	17	A No, no, wait a minute. When I am talking about
:	18	the ena result is the bradycardia. Okay? That produces
	19	the same mechanisms, the same physiologic response. There are
	20	a nuber or things which can cause the same physiological
	21	response like a number of things cause a heart attack.
	22	Q Well, that's interesting, but that's not what I a
-	23	asking you. I'm trying to get you to tell me
land Anglasi t		
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))		BARLOW & JONES - P. 0.BOX 160612 MOBILE, ALABAMA 16816 (205) 416-0865
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	Ŧ	Well, I thought that's what you were asking.
	ź	what the literature says about the length 8f
5.4	3)radycardia, length of time this prolonged bradycardia
	4	does the literature discuss how long it will be prolonged in
-	; 5	an infant this age?
	ė	MR. HOLMES: Excuse me a minute.
	7	(Off the record)
	8	A Again, it's the same mechanism. The bradycardia,'
	9	if it's greater than thirty seconds, - can produce symptoms
	· 10	from whatever cause it is, whether it's vasovagal, whether it
	11	is heert block, whether it's electrolyte disturbance.
•	12	
• • •	13	All right. I'm not asking you about the
	14	Tiechanism elema
	15	A Well.
.	16	Q I'm trying to find out ninutes or seconds.
	17	A I've told you that. Thirty seconds.
٤	18	Q That's what the literature Says?
	19	
	20	Dechanism of vasovagal response as a result of GE reflux.
		Q Okay. Now, I understand that's what you're
	21	-
j.	22	saying. I'm asking you what the literature cays.
	23	A I'm saying that based on my review of the
		189

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٢		BARLOW & JONES *. P.O. BOX 160612 * 'MOBILE. ALABAMA 36616 (205) 476-0685
74 -		
	1	literature. I've already said that.
	2	Q Okay. All right. Now, the third probability you
- -	3	gave was a <u>possible</u> anomalous coronary artery resulting in
₹	4	cardiac stress; is that correct?
-	5	A Or my ocardial infarction.
-	6	Q Okay, Now, tell we all the evidence in the record
· •	7'	that indicates this child had an anomalous coronary artery?
	8	A Well, the only evidence is the cardiac arrest.
	9	And that may be the only symptoms when the child has that
	10	problem.
-	11	Q Only evidence of en anomalous coronary artery is a
-	12	cardiac arrest?
	13	A That's it. There's no other way to know it until
	14	that event: happens. You know, it's a cause of sudden
~	15	unexpected death in a number of infants.
	16	Q All right. Well, other than the fact that he had
-	17	a cardiac arrest, what evidence is there in the record of
-	18	anchalous coronary artery?
	19	A There is n't any. one would have to do a coronary
	20	arteriogram, and you don't do that on a siz week old infant.
	21	Q Well, tell ne what kind of anomalous coronary
	22	artery you think ne had.
	23	A You know, I don't know what one he had because
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•		BARLOW & JONES P. O.BOX 160612 MOBILE, AUBAMA 36616 (205) 476-0685
I —		
	1	there's no arteriogran. I mean, the
	2	Q Well, there are all kinds of different ones,
- , 	· 3	aren't there? I mean, there are all kinds of anomalies in &
	4	coronary artery, aren't there?
3	5	A Yeah, But one which would compromise the blood
	6	flow to the heart wall
	7	Q Well, what kind is that?
	8	A . Where there is an aberrant or the artery is not
	9	forned.
	[,] 10	Q Well, I'm talking about what kind of abnormality?
-	11	A I'm saying thet either the artery is not formed or
`-	12	it goes to one coronary artery and it's just not perfusing
	13	the myocardium
	14	Q When you say it's not formed, what do you mean?
-	15	A Congenitally it didn't forn.
	16	Q Didn't forn at all?
	17	A NO.
	18	Q All right.
	19	A Or formed improperly.
	20	Q Well, did this one not form at all or did it form
	21	improperly? .
	22	A I don't know that.
~~~	23	Q Don't have any idea?
1		
		191

).		BARLOW & JONES P. O. BOX 160612 'MOBILE, ALABAMA 36616 (205) 476-0685	
-	ì	A No.	
•	2	Q Mell, what would be the signs, if any, of one the	ha ^t
	3	didn't form at all?	
	4	A Cardiac arrest.	
•	5	Q And that's the first indication anybody would he	av
•	6	would be a cardlac arrest?	
	7`	A That's the way it occurs in the majority of the	
	8	cases,	
	9	Q All right. East abour: if it were formed	
	10	improperly, whet would be the first indication?	
•••	11	A Well, I Dean, you may have nothing, you know, no	0
-	12	indications.	
	13	Q Well, you may hzve nothing. But what night you	
	14	have to give you an indication before you	
	15	A If you have a cardiac -	
	16	• <i>hrve</i> a cardiac arrest?	i
	17	A arrest, some children can, I suppose, have	
	18	shortness of breath, chest pain, etcetera, I mean, it	
	19	doesn't have to occur in six weeks. It can occur at a numb	per
	20	of tiaes.	
	21	Q So there are signs and symptoms that may be	
•	22	indicative of this cardiac anonaly?	
~	23	A Can.	
	25	192	

		BARLOW & JONES P. 0. BOX 1506 12 MOBILE. ALABAMA 36616 (205) 476-0685
	1	And what would those be?
	2	A You know, again, the symptoms of myocardial
	- 3	ischenia, chest pain, shortness of breath, possibly. I
	· 4	don't know. There are a whole host of things. That's not my
	5	particular area of expertise.
	6	Q Well, what are the other indications other than.
	7 -	chest pain and, shortness of breath?
•	8	A Indications of what?
•	9	Q Signs and symptoms of this cardiac anomaly that
· 	[.] 10	you think he may have had?
-	11	A I'm just telling you, generally speaking, it would
-	12	be the signs of congestive heart failure, signs of myocardial
	13	ischemia, which are pretty general.
<i></i>	14	Q Well, dia he have any of those signs?
1. 1. <b>-</b>	15	A No.
	16	<b>a</b> Wcll, wouldn't you expect to see those, if he had 'a
•	17	cardiac anomaly?
	18	A Ko. I've Urea & told you - now, what cardiac
	19	anomal are you talking about?
•	20	Q Well, any one that you are talking about. Because
	21	as I understand it, you don't know which one you're talking
	22	sbout.
	23	A I'm talking about aberrant or anondous coronary
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			······································
	1	irtery. I	m not talking about a ventricular septal aefect or
	2	m atrial s	septal defect or tetralogy of Fallot.
	- 3		I'm talking about just an abnornal coronary
5. - 1997	4	artery. T	ne majority of those cases arc undiagnosed, they
	5	don't hzve	any symptoms that they present, and suddenly a
•••	6	child will	cone in in respiratory distress and shortness of
I	7.	breath and	die.
•	8	Q	Okay. Well, how did this child's aberrant or
· •	9	abnormal co	pronary artery produce his cardiac arrest?
* 1	10	A	Because I mean, I must say, the problem you
-	11	know, if th	nat's indeed what occurred, then there was lack of
-	12	blood <b>flo</b> w	to the myocardium and it interfered with the
<b>.</b>	13	conduction	system, there was a cardiac arrhythmia and a
•	14	cardiac arı	est,
	15	Q	How much lack of blood flow?
	16	Α	I don't know what you nean.
•	17	Q	What: was the extent of the lack of blood flow?
	18		D. NOLMES: Do you mean if it was?
	19	A	Eypothetically?
	20	MR. CUNNING	HAM:
	21	Q	This is your opinion, as I understand, of what
	22	happened.	
, -1 	23	A	Well I'm saying it's a third probability, okay?

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. • -		
-	1	Okay. Wei
	2	A .I don't know how much lack of blooa flu?.
	3	Whatever it takes to stop the heart beating. And that varies
	4	for every individual.
	5	Q So you'd just have to guess on that?
. <b>*</b> .	6	A Well, not only you'd have to see whet the
	7	coronary artery distribution is and then you would make a
	8	guess.
	9	Q Okay. You say it resulted in cardiac stress, this
	10	anonalous coronary artery?
· - ,	11	A .I said it could have.
-	12	Q Could have? Or a myocardial infarction?
	13	A That's correct.
	14	Q What is a myocardial infarction?
	15	A A heart attack,
	16	Q All right. So it could be that this anomalous
-	17	coronary artery caused this six week old four week old
	18	child to have a heart attack?
	19	A That's right.
	20	Q Well, is heart attack a medical definition of a
	21	myocardial infarction?
	22	A Ho. That's a layman's definition.
-	23	Q What is the medical definition?
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BARLOW & JONES P. O. BOX 160612 MOBILE. ALABAMA 36616' (205) 476-0685 JL. Α A myocardial infarction is a myocardial 2 infarction. That's a heart attack. The layman's definition 33 is heart attack. Mocardial infarction is a nedical term. 4 What does the tern infarction nean? 0 5 It means lac!; of **blood flaw** to an organ with Α 65 tissue damage. 71 All right. And the lack of blood flow in this 0 a3 case yould have been from where to where? 9) Α From the aorta to the coronary arteries to the 10) myocardium. 11. Would there be any signs and symptoms of that? 0 12 Α The ones I've already given you. Cardiac arrest: and/or other symptoms. 13[;] 14 Well, and/or other symptoms that would precede the 0 15; cardiac arrest? 16[;] They may. ~~~~~ Α 17 0 Correct? 18 Α The majority of the cases with anomalous coronary arteries don't have a whole lot of symptoms beforehand. 19 ::---20 0 Well, do the majority of people that have a 21 myocardial infarction have some sort of symptoms beforehand? 22 That's different. Α أنديه 23 Q Do the majority of people with a myocardial -

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, and Million II.		BARLOW & JONES P.0.00X 160612 MOBILE, ALABAMA 36616 (205) 476-0685
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	1	infarction have some symptoms beforehand?
	2	A We're talking about adults in a different
.•	3	situation,
•	а	2 Well, I'm talking about myocardial infarctions
	5	right now,
	6	A Yes. But I'm talking about as a cause of a'
	7'	coronary artery. There arc many individuals that come in
	8	I mean, they're just sitting et hone, have clutch their
•	9	chest and die. Okzy? They may arch, they may have a
	10	seizure, they may do exactly what this child did.
, <b>-</b>	11	Q Many of them that don't, too, aren't there
<i>:</i> .	12	A That's true.
	13	Q that have signs and symptoms?
::	14	A Absolutely
	- 15	Q Okay. What's the percentage?
	16	A I don't know.
r	17	Q Bave you ever had any specialty training in
	18	diseases of the heart?
	19	A As a podiatrician.
	20	Q All right. Tell me where you received that.
	21	A At the University of North Carolina.
	22	Q All right. Who was the chairman of the
	23	department?
-		
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•		BARLOW & JONES P.O.BOX 160612 MOBILE. ALABAMA 36516 (205) 476-0685
	1	A Ployd Denning.
		2 Is he written in the field?
		A He's in infectious disease. What are you talking
	4	about? Are you talking about let ne - maybe I don't
-	5	understend. Do you mean whether I have had a fellowship in
•	6	pediatric cardiology?
	7	Q No. Just training in_pediatric cardiology?
	8	A Yes. You rotate on the pediatric cardiology
	و	service as an intern and as a resizent.
	10	Q When was that?
	11	A \$971 and fn 1373.
<b>_</b>	12	Ω All right. Now, tell ne what training you have
	13	had since 1973 in pediatric cardiology?
	14	A Just repeated clinical exposure. I go to
-	15	pediatric intensive care sessions, I give then.
	16	Q Eave you written in the field or pediatric
-	17	cardiology?
-	18	A Ho.
	19	Q What do you consider to be an authoritative text.
	20	in that field?
	21	A You know, I don't consider any of the texts to be
	22	authoritative. I think that, you know, a number of people
	23	make contributions in the texts. And, you know, we have to
	23	
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.).		
<b>-</b> .	ı	apply it as the situation dictates.
•	2	<b>Q</b> Do you know of any textbooks in the field?
•	3	A Yet.
•	4	Q What are they?
	5	A lladas's Textbook of Pediatric Cardiology.
	6	Q Spell that, please.
	7'	A N-A-D-A-S, I believe, or two A's.
	8	Q Any othere?
	9	A Willis Burst, Textbook or Cardiology Cecil and
	• 10	Lobe, Earrison.
· ·	11	Q Okay.
-	12	A And those arc all textbooks. They are
	13	contributions nnac by everybody. But, you know, they are
	14	general things. You have to apply that to <i>E</i> situation in
-	15	which you are dealing with.
	16	Q All right. And would they discuss the subject of
•	17	anondous coronary artery resulting in cardiac stress or
	18	myocardial infarction in an infant?
	19	A I'm sure they would.
	20	Q Did you review any of those in
	21	A Over the years
. ~	22	Q forming your opinions in
	23	A I have,
	15	199

١		BARLOW & JONES P. 0. BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685	
) -	1	Q this case?	
• •	2	A No.	
	3	Q How many infants have you cared for in the p	nast
	4	who have had this possible anomalous coronary artery	
	5		horo
		resulting in cardiac stress or myocardial infarction. wh	
•	6	you had no idea about it ahead of time?	
	7	A Two.	
	8	Were they diagnosed by autopsy?	.
	9	A Yes.	
	10	Q Okay. What signs and symptoms did Andy Hink	le
	11	have that are consistent with anomalous coronary artery	
-	12	resulting in cardiac stress?	
	13	A Cardiac arrest.'	
	14	Q Is that the only one?	
~	15	A Yes.	
t	16	Q What signs and symptoms, if any, are recogni	zed in
-	17	these textbooks on pediatric cardiology as preceding ca	rdiac
	18	crest resulting from anondous coronary artcry?	
	19	A The ones I have already listed for you	1. 1.
	20	Q Okay. And the majority of the tice, would y	ou
	21	expect to see the cardiac arrest occur without any sign	is and
	22	symptoms first?	
د. المر	23	A Again, at least in the experience that I hav	ve,
		2	.00

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····.	1	that's cer	tainly the majority, two out of two. Now,	
• • •	2	obviously	I don't see a lot of children with anomalous	
	3	coronary a	rteries because I'm a neurologist.	
	4	Q	Well, how about according to tile literature in	
	5	<b>pcdi</b> atric	cardiology?	· _
	6	Α	Hell, I'd think that you woula then have to go t	to -
	7	a pediatri	c cardiologist.	
	а	Q	You don't know what the literature says?	
	9	A	I don't review that literature. I near,, I can	
	['] 10	orly handl	e certain specialties.	
-	11	Q	Okay. Now, did you ever order or suggest that a	any
-	12	tests be p	erformed to determine the condition of this child	d's
	13	coronary a	arteries?	
-	14	Α	That was not my responsibility.	
	15	Q	I didn't ask you if it was your responsibility.	I
	16	asked you	if you did it.	. <del>.</del>
•= ••	17	Α	no	
	18	Q	,All right. This child was resuscitated, as ${f I}$	
	19	understand	it, and lived for a period of time after his	- <b>3</b> 10 - 9
	20	cardiac ai	rest, did hc not?	
	21	Α	That's correct.	
<b></b>	22	Q	vas any surgery doze to correct any anomalous	
<b>→</b>	23	coronary a	artcry?	rt's
-1 -1				
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`)		BARLOW & JONES P. O. BOX 160612 MOBILE. AUBAMA 36616 (205) 476-0685
۶ <u>.</u>		
•	1	A NO.
	2	Did he have any special treatment for an anomalous
•	3	coronary artcry?
·.	4	A They're isn't any treatment.
	5	Q There is no treatment, no surgical treatment?
	6	A No.
	7	Q Well, what do you do in child who has an anomalous
	а	coronary artery who suffers a cardiac arrest and fs
	9	resuscitated? What do you do?
	10	A You would hope you could keep them alive until
-	11	their myocardium revascularizes.
-	12	Q Well, did you keep him alive until his myocardium
	13	revascularized?
	14	A We don't know whether he had that, Mr. Cunningham.
-	15	But obviously he, was kept alive for an extended period of
	16	tice afterwards.
	17	Q Well, tell me what efforts were made and what
	18	treatment was rendered for *is anomalous coronary artery
	19	which caused his cardiac arrest?
	20	A I did not say that caused his cardiac arrest. I
	21	said that's a differential diagnosis. Obviously, there was
	22	no coronary arteriogram done. There was no way to document
<u>~</u>	23	it, He had no further problems with it.
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)		BARLOW & JONES P. O.BOX 160612 *MOBILE.AUBAMA 36616 (205) 476-0685
)-		
	1	Q Well, having a cardiac arrest io a big problem,
	2	isn't it?
-	- 3	A I understand that. But since there's no surgical
•	4	therapy, you don't put somebody at risk to do a coronary
	5	arteriogram unless it's highly suspected.
	6	Q So is it your testinony that if you have an infant
	7.	who suffers a cardiac arrest as e result of an anomalous .
·	a	coronary artery, that you do nothing after that?
	9	A No, I did not testify to that.
	10	Q Well, what would you co?
	11	A If I suspected highly that that was the case as
• •	12	the leading probability, tncn I would get a cardiac consult,
	13	ask him his opinion and look into it.
	14	Q Well, did anybody cvcr get a cardiac consult or
-	15	Andy Hinkle?
	16	A No. Obviously, they cild not feel that that was and
	17	the case. But they had the pulmonologist, a pediatric
	18	pulmonologist and adult pulmonologist who certainly have a
	19	great deal of training in cardiology. They did not feel that
	20	was the case.
	21	Q Well, did you talk to them and tell them that you
	22	thought that was right up on the list of probabilities and
_ <b>_</b> -	23	somebody ought to get a cardiac consult?
•.·		
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)		BARLOW & JONES P. O.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
- -		
	1	A No, because I did not think that was the case.
	2	You asked me to list what I thought
	3	Q And You still didn't think it's the case, do you?
• •	а	MR. DUFFY: Let hin finish. Let him finish,
* 4	5	please, sir.
	6	MR. CUMNINGHAM: Go ahead.
•	7:	A I told you what I thought the two most likely
	а	probabilities were. The third is a list that you have to
	و	include in any child thet has an unexpected cardiac arrest.
	10	Q Okay. Well, wouldn't you agree with me that it's
-	11	highly unlikely that that's what caused his cardiac arrest?
-	12	A I don't know that.
	13	Q You don't know?
	14	A No. I'm not going to agree.
-	15	Q So you would agree that it is a likely cause?
	16	A No. I just said it's in the differential
	17	diagnosis.
	18	Q Well, did you ever put it in the differential
	19	diagnosis on this hospital chart: for Andy Hinkle?
	20	A Again, I vas nor asked to do that. I was asked to
	21	take care of him neurologically and his seizures and his
	22	hypomic ischemic encephalopathy. They had a pediatrician,
	23	several pediatricians, a pediatric pulmonologist, adult
•	23	several Segreticite Sermonologist, addit
		204

•		BARLOW & JONES P. 0.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
1-		
	1	pulmonologist, and that is their responsibility
	2	Q
	3	night have an abnornal coronary artery which caused this
-•:	4	cardiac arrest?
•	5	A No.
	6	Q Why not?
	7	A Because
•	8	Q Because why?
	9	A Nell, because I did not think that that vas the
	· 10	likely cause at that time.
-	11	Q Well, why do you think it is now?
	12	A I didn't say it was the likely cause at this tine
	13	Q Well, do you think it is an unlikely cause at the
	34	tine?
-	15	A I think it's third on the list or' several things.
	16	And in all likelihood, as I have said, it is you hzvc to
-	17	list it in a differential diagnosis.
	18	Q Well, die any physician at anytime in the care of
	19	Andy that you know about request a cardiac consult to
	20	deternine wherher or not he had anomalous coronary artery?
	21	A Not at the Mobile Infirmary. Whether that was
	22	done at the University Hospital, I don't know. I'd have to
	23	go back ana just look and <b>see</b> .
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•.	l		They ao nost of their own cardiology in the	
· · ·	2	<b>neonatal</b> i	ntensive care unit, so they may well have looked	
1. A -2	3	carefully	at it.	
• .	4	Q	But you don't know if they did or did not?	
•	5	Α	Oh, I know they looked carefully at it, Whether	
	6	they looke	ed particularly for anomalous coronary artery, I	
	<b>7</b> [°]	don't know	•	
	8	Q	so for all you know, they may have looked for it	
	9	and detern	ined that it wasn't there?.	
	10	Α	That's correct.	
. <b>.</b>	11	Q	Okay •	
•	12	Α	No, they may have looked for it and felt that it	
	13	wasn't the	re.	
	14	Q	Okay.	
-	15		(Off the recora)	
	16	MR. CUMMIN	GEAM:	
 	17	Q	Doctor, on the admitting lab reports, are the	
-	18	values cha	at you told us aboct earlier that you said were	
	19	nornal <b>val</b>	ues are they the same for a child as they are	ý
	20	for an adu	lt?	
	21	Α	In the electrolytes, yes.	
. s <b>. s</b> .	22	Q	Okay. Now, you have also told us that the child	
نمر (	23	had a card	iac arrest. Would you tell me every indication or	
• •_•				
	Tr.		206	

1		EARLOW & JONES P. 0. BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
1.		
	1,	direct indication. in. the chart that the child's heart
	2	actually stopped?
	3	A The fact that at the time that they started.
	4	resuscitating, the tine they were able to obtain cardiac
	5	rhythm it was below thirty. So I have to assume that it may
	6	well hzve gone you know, it nay have been ten or twenty.
	7 [.]	But I would assume that that's essentialy equivalent to lack
	8	of cardiac output.
	9	Well, is there any indication in the chart itself
	[,] 10	that it was below thirty at anytime?
<b>-</b> 3	11	h Yes.
	12	Q Show me that.
	13	A At 4:50 it was thirty. Okay. Encus me. It was
	14	thirty. I'm reading again from the chart frou.Mobile
-	15	Infirmary on the 22nd. And the nursing notes, 4150, heard
	16	rate thirty per EKG.
	17	Q All right. Well, is there any entry in the chart
	18	anywhere which states act his hart rate was ever b e l ~
	19	thirty?
	20	A NO.
	20	Q And if his heart rate was thirty, that's not a
	21	cardiac arrest, is it?
· · ·	23	A Not at thirty. But, you know, we'd have to assume
	5 73	207

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	ш	that	this child arched his back, became cyanotic and wass
	22	unrespo	nsive, then. I would assume that even if it were
	33	thirty,	the heart was not perfusing enough blood to the
	44	brain	And we know that by the subsequent brein damage.
	55	Q	Well, now, a respiratory arrest can produce the
	66	same thi	ng, can't it?
	77	h	No.
	88	Q	" It can't?
	99	Α	Respiratory arrest can produce bradycardia, but i
	100	doesn't	produce decreased cardiac output unless the heart is
•	111	riot <b><u>zunc</u></b>	tioning well.
*-	122	Q	Well, it producer; decreased oxygen to the brain,
	133	doesn't	it?
	14	Α	Yeah. But this ==
-	15	Q	Whether the blood's flowing to the brain or not?
	16		Its. HOLMES: Let him finish his answer.
	17	A	No. I nean, decreased oxygen in the blood.
	18	In. cui	Ingean =
	19	Q	All right. ★
	20	Α	But if you con't have blood flow to the brain ther
	21	ycu have	we've already talked about you're going to have
	22	consider	ably more damage.
_	23	Q	All right. Well, ir you have blood flow to the
	475. . A 501	·	208

<b>•</b>		BARLOW & JONES P. O. BOX 160612 'Mobile. Alabama 36616 (205) 476-0685
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	1	brain but you have a respiratory arrest and. no oxygen going
<b>.</b> • •	2	into the blood you can surfer brain camage, can't you?
· • • · ·	3	A In what situation?
	4	Q In this situation right here.
	5	A No. Not in this period of time.
	6	Ω In what period of tinc?
	7.	A Of three ninutes.
	а	Q Well, I thought you told ne earlier that
	3	varies and it may be one ninute with one child tha six
	10	minutes with another?
-	11	A
	12	hypoxia and ischemia. Okay?
	13	Q Well, doesn't hypoxia
	14	A You asked ne about hyponia.
-	15	Q All right. Doesn't hypozia occur when you don't
	16	have any oxygen flowing from the lungs into the blood?
• • • • • • • • • • • • • • • • • • •	17	A It can. It's a variation. I mean, hypoxia is
	18	just lack of decreased ozygen.
	19	Q Right.
	20	A But people, and especially babies, sustain that
	21	for a longer period 04 time if ischemia is not superimposed.
	22	when you have a heart rate of thirty or probably below
	23	thirty, then the heart is not pumping blood. So you have
		•••
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)		BARLOW & JONES P. 0.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
•	ĩ	both of them. We know by the degree of brain damage that
- •• ·	2	Andrew Hinkle suffered that he had ischenia.
•	3	Q Well, now, if you assume that he had a respiratory
- •	4	arrest but that his heart rate never got below thirty, if
	5	that respiratory arrest is sustained for a long enough period
	6	of time he can still have the same kind of brain damage he
	7	had here, can't ha?
	8	A What's the length of time?
	9	Q Well, whatever length of time?
	10	A No. That doesn't that's not the way it works.
-	11	You have to tell me what length of time you're talking about.
· -	12	Q No, I'm asking you this question. Is it —
	13	A Well, you made a statement. You didn't ask a
	14	question.
-	15	Q Is it or is it not true that is he had a
	16	respiratory arrest, even though his heart rate nover got 🔅 🤭
• <b>-</b> ,•	17	& la.! thirty, that if sustained for a sufficient period of
	18	tine, chat respiratory arrest can proauce brain age of the
	19	type he had?
	20	A I don't well, you'll have to tell me what
	21	first of all, a sustained pericd of tine, what length of time
	22	you're talking about. And then second of all, what is the 💭
·. 	23	effective cardiac output at a heart rate of thirty.
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	BARLOW & JONES P. O. SOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
1	a All right. You tell we how long a period it would
2	take in respiratory arrest with a heart rete of thirty in an
3	infant like this for him to suffer brain danage.
4 .	A It may take just several ninutcs.
5	Q Okay.
6	A Because the heart, at a heart rate of thirty, is
7'	probably not effectively pumping.
8	Q Okay. All right. And how can you then, in this
9	case, rule out the infant having a respiratory arrest?
10	A The infant did have a respiratory arrest. Cut it
11	was a result of the cardiac arrest.
12	Q All right. Tell us how you know that.
13	A Well, because he did not have any respiratory
14	distress first. He suddenly arches his back, he turns
15	cyanotic. And for an event to occur suddenly like that, the
16	heart hen to stop
17	Q For an event to occur suddenly like that, you're
18	taking about the cyanosis?
19	A I'm talking about arching of the back and -
20	Q And the arching of the back?
21	A becoming decerebrate and becoming cyanotic.
22	Q Now, where in this record does it say that: he
23	became decerebrate?
	-,.
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		P. O Mobile.	DW & JONES
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•	1	A That's the descri	ption of arching of the back.
	2	That's a decorebrate posture	•
A	3	2 Well, where in th	e record does it say that
•	4	A It doesn't have t	o say in the
•	5	Q he became dece	erebrate?
	6	A record. That'	s a description that everybody
	7	recognizes, decerebrate post	uring.
	8	Q Well, where does	it say that there was decerebrate
	9	posturing?	•
	10	A It doesn't say.	But, I mean, the facts stand for
	11	thenselves.	
• ·	12	Q Is it your testing	ony that every infant who arches
	13	its back is exhibiting decer	ebrate posturing?
	14	A In this particula	r situation when they arc
-	15	cyanotic and their heart rat	e goes down to thirty and they
	16	have to be renuscitatea, yes	• •
	17	Q Well, is it unhea	rd of Lor an infant who's in
	18	respiratoary arrest to arch	his back?
	19	A After a prolonged	period of tine.
	20	Q Well, uno said ar	ything about a prolonged pcrioci
	21	of time?	
	22	K Well, you have to	let ne quality the answer, Mr.
-	23	-	u't do it and tell you Facts that
	. ټپ	· · · · · · · · · · · · · · · · · · ·	212

-		BARLOW & JONES P. O. BOX 160612 MOBILE, AUBAMA 36616 (205) 476-0685
	1	are not right.
• .	2	Q Well, the fact is, number one, that you don't know
····	3	whether the infant ever arrested, period?
•	4	A We have every indication that that occurred.
	5	Q All right. And every indication is a note in the
	6	record that shows his heart rate got down to thirty?
	7	A No. Every indication is the clinical course, the
	a	subsequent brain damage and the problems that the child had.
	9	You don't get this type of anoxic - or hypomic ischemic
	· 10	encephalopathy without having lack of blood flow to the
	11	brain. And yoc don't get a lack of blood flow to the brain
-	12	without the heart effectively punping it out.
	13	Well, now, you can have this kind of anoxic
	14	encephalopathy by oxygen not going into the blood whether the
-	15	blood is going to the brain or not, can't you?
	16	A Only for an extended, prolonged period of ticke.
-	17	Q All right. And you tell to how long it takes.
-	18	A It would have to take at loast in excess of twenty
	19	to thirty minutes in a child this tgc.
	20	Q Well, now, you just said three minutes about five
	21	minutes ago.
	22	A That was with ischenia.
	23	HR. HOLHES: You're miming apples and orange.
- · •••		· · · ·
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**			BARLOW E JONES P.O. BOX 160612 'MOBILE. AIABAMA 36616 (205) 476-0685
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	1	4R. CUNNIN	GEAN:
	2	2	I'm not talking about ischemia.
•	- 3	A	Well, that's what I'm talking about. I'm not
•	4	talking al	pout hypoxia alone. You said in this child, And
	5	this child	had ischenia.
	6	3	Let's talk about anoxic, Okay? Anoxia. With no
	· 7 [·]	ischemia.	Ail right, You've gou a respiratory arrest.
	·a	A	Th-huh.
	9	Q	The heart's still pumping. Now, how long would it
	10	take in th	at circumstance for the child to be brain damaged?
	11	h	This is e totally unrelated case?
-	12	Q	Bypothetical -
	13	A	Okay. Nell, all I can do is tell you again, as I
	14	told you b	efore three hours ago, about the animal data. If
-	15	•	ewborn rats who breathe nitrogen, it takes anywhere
	16		y to forty-five minutes before they suffer
	17	significan	t hypoxic &sage. Okay?
	18		I€ you cut their head off, it may take ten
	19	minutes, c	kay, before you can'see the changes pathologically.
	20	Q	Okay. Well let's don't talk about rats. Let's
	21	talk about	infants.
	22	A	There is no data. There's no way for anybody to
	23	tell you t	.*
			214

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		BARLOW & JONES P. 0.80X 160612 MOBILE, AUBAMA 36616 (205) 476-0585
1	Q	So you don't know?
2	Α	No, I didn't say that. I said we do know, by
3.	extrapolat:	ing from physiologic mechanisms and clinical
4	conditions	in which we have had the opportunity to monitor
5	children w	ith hypoxia and with ischemia that this is a you
6	kna, it's	a very good correlation. We know that a5 compared
7'	to adults.	•
8	¥	Well, based on all that that you have just
9	doscribed,	give me the range in a child this age?
10	Α	Por what?
11	Q	To produce the brain danage.
12	A	Well, you've got to rephrase the question. We
13	have a numb	per of things going here. What do you want to
14	know	
15	Q	Well, I thought you just gave ne all the
16	conditions	that would deternine whether there was brain
17	damage. Ar	d I'm trying to find the length of time it would
16	take in an	anoxic state to produce the brain damage
19	A	To produce +he
20	Q	in a baby, not a rat.
21	Α	I understand what you're saying, in a baby. But
22	whet baby?	This baby?
23	Q	This baby?
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		BARLOW & JONES P. 0.80X 160612 Mobile. Alabama 36616 (205) 476-0685
	1	A Due to just hypo-ria for a prolonged period of
	2	time?
	3	Q No. Anoria. Not hypoxia.
	4	A You know, there is no way to absolutely give you .
	5	absolute figures, But I'd have to say it would be $at$ least
	6	approximately twenty minutes.
	7	Q Twenty ninutcs? All right.
	8	Now, how long docs it take a respiratory arrest in
	9	an infant like this before it would procuee a cardiac arrest?
	10	A I'm sorry, I just lost track.
	11	QAll right. Assume you have an infant just like
	12	this who suffers a respiratory arrest for whatever reason.
	13	Ecv long would it take before that respiratory arrest
	14	resulted in a cardiac arrest?
-	15	A Well, it depends on how much how long a time it
	16	takes for the myocardium to become ischemic and then have a
	17	cardiac arrhythnia and ctop flowing.
	18	Q Well, what's the range on that?
	19	A I don't know the answer to that.
	20	Ω Don't have any idea?
	21	A Lo. But you have to well, you know, let ne
	22	back up just a little bit, in terns 02 not having an idea
	23	about that.
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		BARLOW & JONES P. O. BOX 160612 "MOBILE, AUBAMA 36616 (205) 476-0685
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	1	The — you know, the critical things in
	2	cardiopulmonary arrests that cause problems is not only lack
-	3	of oxygen and blood flow to the brain, which certainly
	4	occurs, but there's lack of oxygen and blow flow to the
	5	myocardium. Ana when the myocardium is not able to be
	6	stimulated in a resuscitation which is some of the reasons
	- 7	you resuscitations are not successful. The mocarcium just
	8	can't respond. It's been ischemic too long.
	9	And that's why you have the morbidity that you do.
	10	And that that's why it varies. There's no way to predict
-	11	what that is to each individual infant or adult.
	12	Q Well, without knowing how long it would take for a
	13	respiratory arrest to cause heart failure, how can you say in
	14	this case that the child didn't suffer a respiratory arrest
-	15	first?
	16	A You asked me hypothetically first, okay, what
1	17	anoxia was.
	18	Q Yeah. Hell, I'n talking ~ S outhis case now.
	19	A Well, because when you have a respiratory arrest
	20	you don't initially arch your back, become cyanotic and drop
	21	down to a heart rate of thirty within three minutes. That's
	22	jus: not typical.
	23	Q If you have a respiratory arrest, you don't become
	4	217

	11	218
Ć-	<b>2</b> 3	they usually do cone together. And this child did have a
	22	A By the clinical symptoms the child manifested, an<
	21	Q All right.
	20	A Well, I'm telling you the basis.
	19 ₁₁	Q the basis for your feeling.
	18	A It us have cone together.
-	17	Q All right. But what I'm trying to get at is
	16	pulmonary arrest came second.
-	15	the facts, is that the cardiac arrest came first ana the
	14	By feeling, based on the clinical presentation and based on
	13	A Okay. The child did have a respiratory arrest;.
	12	Q which caused the bracycardia?
-	11	A ~ h child
	10	which caused the cyanosis
	9	conclude that this child did not cultion a contrator.
•••	8	Q All right. Well, then, how in the world can you
	77	4 Several minutes.
	6	respiratory arrest before you become cyanotic?
	5	2 Okay. Explore do you have to not breathe with an
	4	You've got to not breathe for a while.
	2	You've got to do it for a while. Got to do what for a while?
	1 2	Yanotic?
	•	
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		P. O. BOX 160612 'MOBILE. A UB AMA 36616 (205) 476-0685
		BARLOW & JONES

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,		BARLOW & JONES P. 0.80X 160612 MOBILE, ALABAMA 36616 (205) 476-0665
ų <del>–</del>		-
	1	ardiopulmonary arrest, nor two big different events. They
•••• •	• 2	are in proximate cause.
•••	3	Well, didn't you tell me earlier, though, that the
	4	cardiac arrest occurred before the respiratory arrest?
	5	A That's my feeling. But, you know, they're $E_0$
	6	close together it nakes little difference clinically.
	7'	Because bath of then happen, you know, in a very short period
	8	of time. And usually when your heart stops, you stop
	9	breathing. Now, if you stop breathing, it takes a long time
	10	for your heart to stop.
-	11	Q
•	12	you gave me earlier?
	13	A That's for hypoxia. We're not talking about
	14	Q Okay. If you stop breathing, then, how long does
÷	` 15	it take your heart to stop?
	16	A Depends on your age, depends on your underlying 4
	17	condition, depends on a whole host of factors.
	18	Q How &ut in a child like that?
	19	A I'd have to say it'takes a long period of tire.
	20	Q Well, what's a long period of time?
	21	A Twenty ninutes, thirty minutes.
	22	Q Twenty minutes?
	23	A That's a range. Pil I can do is, again, go back
		219

		BARLOW & JONES P. Q. BOX 160612 'MOBILE.ALABAMA 36616 (205) 476-0685
د <u></u>		
	1	to animal data and extrapolate it for you.
	2	Well, what is the range on respiratory arrest.
	3	perore you would see cyanosis?
	4	A That's several minutes,
	5	2 Okay. Now, line there articles and are there
	G	textbooks which discuss arching of the back as being a sign
•	7.	or symptom of cardiac arrest in an infant?
	8	A I didn't say that was a sign of cardiac arrest, I
	9	said that's a sign of decorebrate posturing which reflects
	10	lac!: of blood flow and oxygen going to the brain,
	11	Q Well, before you get decerebrate posturing do you
•	12	have to hzve brain damage?
	13	A No
	14	Q So you can have a perfectly healthy brcin but
~	15	exhibit decerebrate posturing?
	16	A No. Your brain is suffering some problem which
	17	causes the decerebrate posturing. When you vere talking
	18	about brain damage, I thought you wefe referring to a
	19	permanent brain damage.
	20	Q Well, how long does your brain have to suffer some
	21	problem before you would be expected to exhibit decerebrate
	22	posturing?
	23	A Until it causes tissue changes,
	27.4	220
	BARLOW & JONES P.O.BOX 1606 12 'UOBILE. ALABAMA 36616 (205) 476-0685	
----	-------------------------------------------------------------------------------	
1	All right. Well, how long would you expect in an	
2	infant like Andy Hinkle for it to take before he exhibited	
3	iecerebrate posturing?	
4	A Now okay. Hell, let's back up, okay? You're	
5	talking about just as a symptom of decerebrate posturing?	
6	Q You told me that the decerebrate posturing	
7	occurred because of his cardiec condition; is that right?	
a	A I'm telling you that the decerebrate posturing	
9	occurred because he did not get oxygen and blood flow to his	
10	brain as a result of a cardiac and pulnonary arrest.	
11	Q That's what I thought you said,	
12	A That's what I said.	
13	Q Now, how long does it take between the time of a	
14	cardiopulmonary arrest before you would expect to see	
15	decerebrate posturing in an infant this age?	
16	A It depends on how much ischemia occurs." If that's	
17	if there's not nuch blood flow going to the brain, it takes a	
18	relatively short period of time. It may take thirty seconds,	
19	it may take two minutes, it may take three minutes.	
20	Certainly not a great deal of time.	
21	Q Well	
22	IR. HOLIES: I think that's consistent with	
23	what he said, Bobbo. You've been over this about ten	
	221	

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		BARLOW & JONES P. 0.BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
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	1	tines.
	2	MR. CUNNINGENA: Yeah. I don't think it's
	3	consistent at <b>all.</b>
	4	A Well, how can I clear it up for you?
	5	Q But at any rate, it's your opinion that what
	6	happened is that he suffered a cardiopulmonary arrest, that
	7	that resulted in the decerebrate posturing?
	а	A That's correct.
	9	Q Is that correct?
	10	A Yes.
-	11	Q All right. So at the time he exhibited the
•	12	decerebrate posturing, what would have been his level of
	13	respiration?
	14	A He may have had some respirations. He may have
-	15	had nocc.
	16	Q All right. What would have been his heart rztc?
-	17	A I would have to think his heart rate would have
	18	been very lar.
	19	Q And you say that that decerebrate posturing can
	20	result from that within a matuer of thirty seconds?
	21	A Yes.
	22	Q Okay. And I guess that's documented in the
	23	medical literature, too?
14 14		<b>~</b>
		222

•			P.O.	W & JONES , BOX 160612 ALABAMA 36616 8) 476-0605	·
3-				-	
•	1	А	In my literature.		
	2	Q	• Which of your lite	rature?	
	3	A	The neurological :	li <i>t</i> erature.	
	4	Q	Well, tell me som	e leading neurological	texts,'
	5	A	Well, we use mosti	ly the articles in, you	1 <b>know,.;.,</b>
	6	original <b>r</b>	csearch. And I nea	an, they are in multip	Le
	7	journals.	The Journal of Cl	inical Research, Brain,	Annals Of
·	8	Neurology,	Neurology, so on.	Incre's a whole host	:of
	3	sources.			• •
	10	Q	So I could find the	his thirty second figu	re in these
-	11	journals s	somewhere?		
-	12	Α	⊥ guess,		•••
	13		MR. HOLMES: 1	le don't know whether y	ou can
	14	finā	it or not.	• • : .	
	15	MR. CUININ	Geam:	۵. ۲۰۰۱ - ۲۰۰۱	
	16	Q	Well, is it in the	crc?	
•	17		MR. HOLIES:	You nights not be as sho	arp as he
•	18	is.			
	19	HR. CUMMIN	IGEAM:	•.	s f
	20	Q	Is it in there, the	ne thirty second figure	27
	21	A	You'll have to lo	ok <b>. I mean, I</b> don't ki	now. I
1	22	nean, as f	ar as I'm concerned	d, that's the figures a	that we
یت معر	23	use.	<b>.</b>		
			Andre f film in andre fi		223

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		BARLOW & JONES P. 0.30X 160612 MOBILE, AUBAMA 36616 (205) 476-0685
	-	
ı	2	And that's the figures that neurologists generally
2	use?	
3	A	Again, qualifying it with all of the other things.
4	<b>You</b> don't l	have one single figure for one single thing. Okay?
5	Q	Well, I'm talking about the tine between
6	cardiopulmo	onary arrest and the decerebrate posturing, Arc
7.	you telling	g <b>me</b>
8	Α	I'm saying in my opinion, based on my review in
9	assimilati	on of the literature ana; the data, that it can .
10	occur in th	nirty seconds.
11	Q	Okay. Well, you say can occur in thirty seconds.
12	Now, I'm ti	ying — is that the typical range you see?
13	Α	Well, you have to go with the lowest range to the
14	highest ran	nge.
15	Q	Well, tell me the nighest range.
16	Α	You know, I don't know. Again, I don't know what
17	the oxygen	tension is. There's a whole
18	Q	What's the range, though?
19	Α	I don't know that. Up to twenty minutes, I
20	suppose 🛛	
21	Q	Okay.
22	Q	I understand your opinion is that this child did
23	not suffer	laryngospasm; is that correct?

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		P. O BOX 160612 -MOBILE. ALABAMA 36616 (205) 476-0665
-		
	1	A In my opinion, tilc clinical condition of this
. •	2	infant, the presentation, is just inconsistent with
•••	3	laryngospasm.
	4	When you say the presentation, at what pint in
	5	tine arc you talking about?
	6	A The whole thing
	7.	Q At the time of the event?
	8	A All the way from the tinc the child got to the
	9	hospital to the event.
	· 10	Q Okay.
~	11	A I see no indication in the chart of what I
-	12	understand and what I have seen is laryngospasm.
	13	Q All right. Well, now, as I understand the record,
	14	Dr. Erwin went back to the room with the child with the
-	15	nurses; is that correct? Is that the way you understand it?
	16	A As I understand it, he vas standing in the door
	17	then went back into the room, yes.
	18	Q Okay. And ha was there at or bout the 'tinc of
	19	the incident that we're talking about; is thet correct?
	20	A Yes.
	21	Q Who do you think would be in the best position to
-	22	determine whether or not the child suffered laryngospasm, you
,-	23	or Dr. Erwin?

• • •		BARLOW & JONES P. 0.BOX 160612 'MOBILE. ALABAMA 56618' (205) 476-0685
	1	A Well, it depends on whether he had all the
	2	information ebout the observations right before the event.
	3	But I'm certain Dr. Erwin is going to be the person to assess
	4	the child immediately and try to cone to sone decision as to
	- 5	what occurred.
	6	Now, whether that's the right decision is
	7	documented by the facts and then the subsequent events
	a	Q Well, don't you guess that he had occasion to look
	9	at the child's airway? -
	10	A Well; at the time that ha was with the child, the
$\boldsymbol{c}$	11	child wasn't breathing anci had a low heart rate. I mean, so
	12	thzt was after the fact.
	13	Q Well, he would 'bc concerned about the airway,
	14	wouldn't he?
	15	A Well, I think Dr. Baston was most concerned.
	16	That's why he put <b>a tube</b> in.
	17	Q All right. Well, who do you think would be in
	18	better position to determine whether or not: the child
	19	suffered laryngospasm between you and Dr. Baston, the Pan
	20	putting the tube in the child?
	21	A Well, he would be, if he looked at the vocal
/	22	cor&,
5	23	Q All right. What does Dr. Baston say in his
· • •		

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1 deposition! about laryngospasm?

2² A I've not seen a deposition from Dr. Baston.

3 Q So you don't know what the doctor who was on the
4⁴ scene putting a tube down the child's throat has to say about[±]
5⁵ whether he suffered laryngospasn?

 $6^{6}$  A I do know what's in the chart, Mr. Cunningham, and  $7^{7}$  I ao know what the descriptions are. And I know what -- the^e  $8^{8}$  descriptions of the parents and I know what the descriptions⁵ 9 of the clinical sequence arc.

And in my opinion end estimation, having putting all_of that together, it is not consistent with laryngospasm. Now, if they thought that was the case and they thought that was — they ore entitled to that. You have^e a differentia diagnosis, You consider a whole host.'of possibilities. That doesn't mean it's right.

16 Q Well, I'm going to go back to my question. So you^a
17 don't know what the doctor haa to say who was there and put
18 the tube down the child's throat at the the about whether or:
19 not there was laryngospasm; is that correct or not?

20 A I do not know what Dr. Baston felt

21 Q All right. Okay.

22

23

Q

A <u>sout</u> the vocal cords, no.

Do you know whet Dr. Erwin said about whether or

BARLOW & JONES P. O.BOX 160612 MOBILE. AUBAMA 36616 UQSI 476-0685 1 not the child suffered laryngospasm? 2 5 No. 3 Well, you read Dr. Bertucci's deposition, didn't you? 4 5 Yes. Α 6 What did he say that Dr. Erwin told him? D 7 That was at the time of the event. **Okay?** А 8 And you here six years later are in a much better Q 9 position to tell us than the fellow who was there at the tinc? 10 11 Α Let me see if I can explain that to you again, Mr. 12 Cunningham. Events occcr in medicine in-which we make 13 assumptions at the time of an acute episode; Now, sometimes those assumptions are not correct 14 because we con't have all the data at that 'time. We try to 15 do the best we can. And sometimes that's just not correct. 16 17 When you have all of the data together and you 18 assimilate it all, then you htvc to come up with what is the nost probable sequence of events. 19 Ļ - -Q Eow do you diagnose laryngospasm? 20 It's a clinical condition, and then looking at the 21 h vocal cords and see if they are clamped down. Now, this 22 23 child was exchanging air. He didn't make any noise. He had 228

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4		BARLOW & JONES P. O.BOX 160612 "MOBILE. ALABAMA 36616 UOSI 476-0685
2	west.	
	1	no gargling sound. He simply arched his back and had a
	2	cardiac arrest.
	3	Q Did Dr. Baston look at the vocal cards?
δ. • <b>1</b>	4	A He had to look at them to put the tube down.
	5	All tight. When he looked at then, did he see
	6	that the child was in laryngospasm?
	7	A If he got the tube down, then hc wasn't in
	8	laryngospasm, because they're closed ana you can't get it
	9	cown unless you push it through it.
	· 10	Q Did he push it through it?
(	11	A You know, I don't think so, because he certainly
L	12	didn't have any problems with it afterwards.
	13	Q So you don't know whether or not Dr. Baston looked
	14	down the child's throat and saw laryngospasm; correct?
	15	A Ee saw the vocal cords. Now, whether hc saw then
	16	closed, I assume he didn't, because he couldn't get the tube-
	17	in
	18	Q All right. You assume he didn't?
	19	A Well, he couldn't. If the vocal cords are clamped
	20	down, you can't put a tube in.
	21	Q So it's your testimony that if you have an infant
(	22	in laryngcspasm you cannot: put a tube in?
	23	h Unless you damage the vocal. cords.
		229

BARLOW & JONES P. 0.BOX 160612 ILE, AUBAMA 36616 (205) 476-0685 Rave you intubated any infants lately? 2 1 Yes. Α 2 Do that frguently? 0 3 4 No, because I -- we don't like to do that unless Α we have to. 5; Okay. Well, so as I understand it, if Dr. Baston Q 6 77 says the child was in laryngospasm, you say the child was not; is that correct? **8**2 No, I did not say that. I said as the data A 9 appears to ne, with the clinical sequence of the events, it 10 11 does not appear to me that he was in laryngospasm. 12 Well, if Dr. Baston says that he was in 0 13 laryngospasm then you'd be wrong, wouldn't you? 14 MR. EOLNES: I object to that. Did Dr. Baston say that? If he does, show it to 15 Α 16 me ana let me look at it. 17 HR. CUNNINGHAM: 18 Well, your lawyer's the one that's supposed to 0 19 give you the depositions, not me. 4 20 Well, I don't have his deposition. Δ 21 MR. HOLMES: Well, I'm not his lawyer in the 22 first place. But I think you ought to ask him about the ¢5. 23 deposition and let hin see it. 230

		BARLOW & JONES P. 0.80X 1606 12 •MOBILE, AUBAMA 56616 (205) 476-0685
۲. 		
• <u>-</u> •	l	MR. CUINIIGHAM:
	2	Q Do you recall reading this statement made by Dr.
·····	3	Bertucci on page twenty-five line four, quote, "Dr. Erwin
	4	called me and said thet the baby had gone into laryngeal
	5	<b>spasm</b> and <b>caused subsequent</b> cardiac arrest. <b>*?</b>
	6	A Can I look ut that?
i	7	Q Sure.
	8	IR. DUFFY: What page arc you on?
	9	MR. CUMMINGHAM: Twenty-five.
	[,] 10	A I recall that. And again, it's just a different
(	11	interpretation of the data. This was at the time of the
	12	event. He didn't have all the data, Mr. 'Cunningha. I'm
	13	just you know, that's all I can tell you.
	14	Q Well, he had a lot nore
	15	A You have to make it on the basis of the symptons
	16	and the clinical condition. Now, Dr. Erwin didn't look at 👻
	17	the vocal cords.
	18	Q Well, don't you think Dr. Erwin knows anything
	19	about symptoms and clinical conditions of hi8 own patient?
	20	h I don't know how much he knows about laryngospasm.
	21	Unfortunately, we can't ask him.
	22	Q Well, he knew enough to state to Dr. Bertucci that
	23	that's what he thought it was?
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)		BARLOW & JONES P. 0. BOX 160612 MOBILE. ALABAMA 36616 (2051 476-0685
-	1	A You had an acute, catastrophic event which was
	2	unexpected in an infant. If I would have seen the infant at
	3	that time I might have considered laryngospasm also. It just
	4	didn't occur as the facts all cone out.
	5	Q In your opinion, was this infant properly
	6	positioned immediately before the arrest?
	i	A <b>Properly positioned</b> for what?
	8	Q For anything.
	9	A Yes. I have no problen with the positioning.
	10	Q okay. Are you familiar with any literature that
$\mathbf{C}$	11	discusses the proper positioning of infants with pyloric
	12	stenosis with a history of vomiting?
	13	A Specifically, no.
	14	Q Ail right, Are you familiar with any literature
-	15	which discusses the subject of placing the infant on its side
	16	or its stomach when it has pyloric stenosis end a history of
	17	vomiting?
	18	A That's if the yeah, I mean, if it's continued
	19	protracted vomiting, yes. But this child hadn't vomited
	20	since he was at the hospital. I see no reason, after the
	21	operation he has a saphenous vein cutdown, to be propped
	22	up on its back and being obserbed.
-	23	Ω When you say propped up on its back, what do you
		• • •
	5	232

		BARLOW & JONES P.O.BOX 1605 12 MOBILE, ALABAMA 36616 (205) 476-0585
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	1	mean?
	2	A Had the toyel rolled undermeath the back, or the
	3	sheet.
	4	Q Hhcre under the back?
	5	A The shoulders and the head,
	6	Q Shoulders and the head? Where can you get that?
	7 -	A In the nurse's deposition.
	8	Q Which one?
۰.	9	A The two that brought him back.
	10	Q Okay. And in your judgment, khat would be
(	11	entirely proper?
	12	A I don't see anything improper 'about it.
	13	Q Arc you familiar with any literature which
	14	supports the propsition that that is proper?
	15	A I think that there's literature supporting a
	16	nunber of positions, okay? you have to take your individual
•	17	case at that individual time with the circumstances and then
	18	apply it. General statements don't: apply to individual
	19	circunstances.
	20	Q Is that what you tell nurses that work for you,
	21	that I can't tell you generally what to do, it's going to
(	22	differ for every patient?
	23	A Yes. I tell them to use their own judgment and Yes.
		233

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. (		
•	1	use their an clinical judgment, if they have any questions
	2	to call me or ask me.
	3	Q Okay. So you wouldn't expect the nurses at the
•	4	Mobile Infirmary to hzve been given any general instructions
	5	about the care or an infant with pyloric stenosis and a
	6	history of voniting about the positioning?
	7	A I don't know what the nurses were given in terns
	a	of the general instructions.
	9	Q Well, do you know what the requirements of the .
•	10	Nobile Infirmary were insofar as positioning with an infant
$\mathbf{C}$	11	who had pyloric stenosis and a history of vomiting?
	12	A I don't know whether there is a policy manual that
	13	exists for that. If there does, I'm not aware of it.
	14	Q So you don't knew whether or no=, by thfs'infant
	15	being on its, back, whether it violated any policy of the
	16	Mobile Infirmary?
	17	MR. WFFY: Waft just a minute. There's nc
	18	evidence that the infant was on its back except fron the
	19	parents.
· · ·	20	MR. CUNNINGHAM: Well, that's what he said.
	21	NR. DUFFY: He didn't sal: that.
(	22	MR. CUNNINGEAN: Yes, he did nost certainly
	23	did.
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1 MR. DUFFY: He did not, He said propped, up on? 2 his side, 3 MR. CUMMINGHAM: He said on his back. Now 4 you're trying to change it. 5 Didn't you say on its back? 0 6 Α The infant was propped up. Listen, that has 7' not-ing to do with the event, Mr. Cunningha. Q That's fine. But didn't you say --8 Yes, I ----9 Α 10 -- that he was on his back? 0 Yes, I did say that. 11 Α That's what I thought. Okay. 12 0 13 Now, do you know whether or not that violates the 14 policy or the Mobile Infirmary incofar as its pediatric 15 nursing? 16 I have not seen any policy that states thet Α No. 17 you must put infants in a certain position. So you — are you saying yoc/ don't know or you do 18 Q 19 knov? 1. ... 35 20 If it's exists, I'll be glad to look at it and А give you - I don't know that such a policy exists. 21 22 Okay. Now, is it standard procedure to empty the 0 23 belly after an upper GI series on an infant like this? 235

BARLOW & JONES P. O.BOX 160612 BILE, ALABAMA 36616 (205) 476-0685 I think we've been through that before. 1. 2 We touched on it, but we haven't been through it. 3 MR. DUFFY: We've been through everything in ..... the kitchen. 4 5 IR. CUNNINGEAM: We're going to go through it: this tine. 6 . .... 7 Again, that's a 'decision or' tile radiologist. As ر تر 8 far as I can tell from the radiologic literature, one can go, 9 do it both ways. And that has to be their decision. And a day obviously people do it both ways and have no problems either 10 11 way . so you've looked at the radiological 0 Okay. 12 13 literature on that subject? Briefly, yes. 14 Α 15 Q When did you do that? - 1 16 Within the past two years. Α 17 Q All right. Why did you do that? 18 А Well, because I was asked to look at this case. Q Okay. What literature did you look at? 19 ... 1 The radiologic journals and the radiologic 20 Α tertbooks. 21 22 And you found articles that said you should do it Q \$1. L 23 and articles that said you don't need to do it? .... 236

		BARLOW & JONES P.O.BOX 160612 •MOBILE, ALABAMA 36616 (205) 476-0685
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•	1	A And I've also talked witht he chairman of
	2	radiology at the University of South Alabama.
	3	Q Who's that?
	4	A Dr. Robinson.
	5	Q When did you talk with hin?
	6	A Oh, a year ago.
	7.	Q What did you and he discuss?
	8	A I just asked him about their what they do for
	9	their children.
	' 10	Q And what did he say?
<b>C</b> ;	11	A Whether there is any hc just said that it's
	12	done by different radiologists different 'ways.
	13	Q What do you understand to be the reason for
	14	emptying the stomach?
	15	A Well, I Dean, obviously if the stomach is
	16	overdistended and the pylorus is completely obstructed, then; .
•	17	you know, you may have vomitus.
	18	Q All right. What's wrong with that? I mean, why
	19	do you want to avoid that?
	20	A Well, sometimes, you know, when you try to get it
	21	out you can also stimulate the pharynx, you can also cause a
	22	vasovagal response by just doing that. So if it's not a
-{.	23	problem, you don't bother with it.
<u> </u>		
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			BARLOW & JONES P. O.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
7			
	1	2	What other reasons did the literature give for
	2	wacuating	the barium?
	3	3	Just the same reason I did, vomiting and
•	4	aspiration	
·	5	2	Aspiration?
·	6	A	Uh-huh.
	7	2	Why do you want to avoid that?
	8	A	Well, I mean, you can get aspiration pneumonia.
	و	2	What else can happen to you when you aspirate
	10	other then	get pneumonia?
(	11	A	Well, I mean, I guess other conplications can
C	12	arise, you	know, and you could have further morbidity.
	13	Q	All right. Now, the literature that says you
	14	don't need	to do it, what were the reasons given for not
	15	doing it?	1
	16	A	For the same thing, is that you don't necessarily
-	17	do procedu	res that are unnecessary, because it causes more
	18	stimulatio	n or' <b>an</b> infant *. <b>at's</b> already ill.
	19	Q	All right. Now, where did you go to medical
	20	school?	
	21	A	Emory University.
	22	Q	Where did you do your immediate postgraduate work?
	23	A	What do you nean? Do you mean internship?
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		BARLOW & JONES P. O.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0685
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	ı	Where dfd you do your residency and your
	2	internship?
	3	A I did my internship at the University of North
	4	Carolina at Chapel Eill. I then did that's all right.
	5	You can ark me what you want.
	6	Q All right. What cane next?
	7'	A I did an infectious disease and virology
	8	fellowship at the National Institutes of Health.
	9	Q All right. What next? -
	10	A Then I did a pediatric residency at Washington
$\mathbf{c}$	11	University, Barnes Hospital.
C	12	Q All right. Did they evacuate the belly in infant!
	13	at Barnes?
	14	A I don't know. There were at least sixty
	15	radiologists on the staff, so I con't know what each one of
	16	them uid.
-	17	Q Well, do you know what the department policy mas
	18	there?
	19	A NO.
	20	Q Have you mtae any inquiry?
	21	h No.
	22	Q All right. How about at UNC or NIH, did you
)	23	A We didn't do that at NIH.
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¢			BARLOW & JONES P. 0. BOX 160612 "MOBILE. ALABAMA 36516 (205) 476-0665	
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• .	1	Q	Where did you go after Barnes?	
	2	A	I stayed there at St. Louis Children's Hospital,	
	3	did a pedi	atric neurology fellowship and an adult neurology	
-	4	fellowship	•	
	5	Q	Did they evacuate the stonach there in upper GI	
	6	series?		
	7	A	They pay have. I wasn't doing that at that time.	
\$	8	Q	Well, do you know whether they did or not?	
े <del>प</del> ्र म र	9	A	NO	
٠	10	Q	Have you ever been at an institution where you are	
r	11	avare of i	t being standard procedure to cvacucte the belly?	
C	12	A	I may have. I don't know the standard policies	
	13	concerning	the radiology department.	
	14	Q	Where did you go after you left St. Louis?	
-	15	A	I went to the University of Arkansas.	
	16	Q	What did you do there?	•
-	17	Α	I was in charge of child neurology and taught or.	•
	18	the full t	ine faculty.	•
	19	Q	Nedical school?	
	20	A	Yes.	
	21	Q	Ecal long were you there?	
,	22	A	The years.	
- <u>{</u>	23	6	Do you know what they did there insofar as	
			-	
	1	the second second second	240	

)			BARLOW & JONES P.O.BOX 160612 MOBILE, ALABAMA 36616 (205) 476-0615	
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	1	≫acuating	the belly of barium?	
۰.	2	4	No, I don't know the policy.	
<b>-</b> , ·	3	2 .	What was your reason for leaving there?	
	4	A	I wanted to cone down to the Gulf Coast.	
	5	2	Is that the only reason?	
	6	Α	Yes. I wanted to go into private practice a	and do
	7	academic m	edicine at the same time.	
	8	Q	What was your reason for leaving St. Louis	• .
	9	Children's	Hospital?	
	· 10	A	It was time.	
$\boldsymbol{\zeta}$	11	Q	.Excuse me?	
	12	А	it was tine.	
	13	Ō	It wao tiue?	
	14	А	Right.	
-	15	Q	What is your relationship with the Mobile	
	16	Infimarv?		··· 7.1
-	17	Α	I'm on their media staff.	_
	18	Ω	And how long have you been on the nedical st	afi?
	19	Α .	Since 19 I guess I have been on the court	esy
	20	staff sinc	e 1978, and than the full time staff two year	rs
	21	after that.	• · ·	
	22	Q	Do you hold any positions?	
5	23	Α	What do you ncan?	· *40.
· · · · · · · · · · · · · · · · · · ·				
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## BARLOW & JONES P. 0.BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685

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1	Are you chairman of any departments or do you hold
2	my titles?
3	Y No.
4	2 Other than the fact that you are just a doctor .
5	that is on the staff?
6	No. I'm everybody that are full-time members
7	of the staff serve on various committees.
8	2 What committees are you on?
9	A .Continuing medical education connittee and the .
10	rehabilitation connittee.
11	2 .What it the rehabilitation committee?
12	A Rotary Rehab.
13	a What is your position on the continuing medical
14	education committee?
15	A I'm a member.
16	Q Eave you ever held any other positions at the
17	Mobile Infirmary?
18	A Just on various committees. But, you know, I
19	really can't tell you what those are over the years.
20	Q All right. Was this was Angy Einkle's case
21	ever reviewed by any committee at the Mobile Infirmary?
22	A They a-well have. I'm not aware of it if it
23	was, but that doesn't mean it wasn't.
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BARLOW & JONES P. O.BOX 160612 MOBILE. ALABAMA 36616 (205) 476-0685 1 You weren't involved in it if it was? 2 2 A No. Have you ever been a defendant in a medical 3 3 н 4 malpractice case? Ā 5 NO. Bave you ever received an inquiry that led you to, 6 0 7' believe you night be a defendant? We receive those inquiries all the tine. 8 Α Q All right. Eave you ever expressed an opinion 9 10 that you thought you were about to be a defendant in a 11 medical malpractice case? **(** 12 I think that we -- you know, everyone that has Α 13 records subpoenaed, you know, always has to consider that 14 possibility. Well, does that mean that you have had records 15 0 subpoenaed and have considered that possibility? . 16 I have a number fron you: office. 17 Α Sure. 18 0 Okay. Did you ever express an opinion, that the 19 Cunningham fim was getting ready to sue you? • 5 , **.** . . 20 Α I have had had No. 21 MR. DUFFY: What difference does it make? 22 MR. CUMMINGHAM: Well, I don't know. Haybe it 23 makes no difference. But I don't know unless I ask. • 243

4		EIARLOW & JONES P. 0.80X 160612 MOBILE, ALABAMA 36616 (205) 476-0685
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	1	NR. DUFFY: I don't see any relevancy at all.
<b></b> ,	2	I think it's a bunch or wasted tine.
•••	3	4 I certainly hope not. But I've not had any direct
	4	correspondence
	5	ER. CUNHINGHAM:
	6	3 So you've never told anybody that you understood
·	7'	you were about to get sued
	8	A No.
	9	P at anytime in the past?
	10	A Well, I nean, I'm sure we all discuss, you know,
C	11	records that arc subpoenaed.
C	12	MR. CUIRIINGHAM: Okay. Is anybody else going
	13	to ask any questions? If you are, you can go ahead and
	14	I'll be looking over my stuff while you do it.
-	15	HR. EOLNES: Are you going to ask any more?
	16	MR. CUIMINGHAM: I'm sure I will, after you ~
-	17	gct through.
	18	MR. HOLIES: I don't know that I have any.
	19	Want to take a short break?
	20	MR. CUMNINGHAM: Yeah.
	21	(Short <b>areak</b> )
	22	MR. CUNNINGHAM:
	23	Q Dr. Chalhub, what professional organizations are
	71	244

BARLOW & JONES P. O.BOX 160612 "MOBILE. AUBAMA 36616 (205) 476-0685

you a member of? 1 There arc a number of them. The American Academy 2 Δ of Pudiatrics, the American Academy of Neurology, the Child . 3 Neurology Society, the American Hedical Association, the 4 Southern Society for Neurological Research, the Southern 5 Society for Child Neurology, the American EEG Association, ... 6 11 the Southern Society of Electroencephalographers, the Alabama 7 Hedical Association, the Alabama Pediatric Association. 8 Is that --9 •; .' 0 All right. Bar long have you been a member of the 10 11 American Academy or Pediatrics? Α Since 1978. 12 Q All right, Does that: academy promulgate 13 recommended standards of practice? 14 No. I think that they have their -- they have 15 Α recommendations for cartain situations and certain entities, 16 17 but that does not set a standard or' care, They do have recommended practices, though; 18 0 Okay. is that correct? 19 20 They have committees who review isnues and give recommendations from that committee. 21 What reconnendations, if any, has the American 22 0 Academy of Pediatrics made on the issue of positioning of an 23 -245

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}•		BARLOW & JONES P.O.BOX 160612 'MOBILE.ALABAMA 36616 (205) 176-0685
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	1	infant with pyloric stenonis?
· · · · ·	2	A I don't know those, if they exist.
	3	<b>Q</b> All right. What position, if any, hac the
	4	American Academy of Pediatrics taken with respect to the
	5	evacuation of the belly of an infant with pyloric stenosis?
	6	A I don't know that.
	7	Q What position, if any, has the American Academy of
	8	Pediatrics taken with respect to the training required of
	9	pediatric surgical and floor nurses?.
	10	A If any, I don't know them.
C	11	Q Okay. Well, in your medical judgment, should .
	12	pediatric surgical and floor nurses have special training in
	13	their field?
	14	A Well, I man, I thin~; it's commensurate, with good
-	15	nursing care. I mean, if they go to nersing school and they
	16	have Instruction and continued nedical education. You know
-	17	in terns of pediatric intensive care, that requires a
	18	different level.
	19	Q All right. What level does that require?
-	20	A I ncan, it would require, you know, training fn
•	21	pediatric intensive care problems and experience in a
	22	pediatric intensive care unit.
24	23	Q Okay. How about nurses who are assigned to the
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5		BARLOW & JONES P. O. BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0685
ST.		
•	1	pediatric floor, should they have any special training above
·	2	and beyond that of a registered nurse who is not on a
•	3	pediatric floor?
· ·,	4	A I think they should have experience dealing with
	5	children. But again, you אחסא, I don't know the
	6	requirements. And if you want to know those, you can ask the
	7 -	director <b>or'</b> nursing ana <b>so</b> forth.
	8	<b>Q</b> So you don't know what requirements, if any, there
	9	are at the Nobile Infirmary along those lines?
	· 10	A I don't know what the requirements are to work 'on
C	11	the pediatric floor, no.
	12	Q Would you expect there to be some afferent
	13	requirements for working on that floor?
_	14	IR. DUFFY: He doesn't know. I don't know
	15	what he'd expect.
	16	A I mean, I can't speak for the Mobile Infirmary.
	17	MR. CUMMINGEAM:
	18	Q well, would you as a physician expect that there
	19	would be some requirements for a nurse to work on the
	20	pediatric floor?
	21	A I would expect that they would have some pediatric
	22	nursing. Now, whether their requirement is nersing school or
	23	what other experience, that's up to the Infirmary to deciae.
· · .		

- ·		SARLOW & JONES
		P. O.BOX 160612 'MOBILE. ALABAMA 36616 (205) 476-0615
<b>)</b> [ .	1	Q And you don't know what that is?
• •	2	A No.
	3	HR. CUININGHAN: Okay. Thank you.
	4	MR. HOLMES: I don't have any. That's all.
	5	FURTHER, DEPONENT SAVETH MOT.
	6	
·	7	_
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	9	-
	10	
(	11	ELIAS G. CHALHUB
<b>C</b> ,	12	
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J.C.	23	
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DEPOSITION OF ELIAS CHALUB, M.D. [CHARLES WESLEY HINKLE] TAKEN ON MARCH 1, 1985 by ROBERT T. CUNNINGHAM, JR., ESQ.	ANOXIC ENCEPHALOPATHY: Lack of oxygen going to brain, and often lack of blood flow, resulting is a diffuse involvement of the central nervous system	Young children can sustain periods of hypoxia and ischemia for an extended period of time without necessarily having permanent brain damage.	Anoxia is different Anoxia - lack of oxygen Ischemia - lack of blood flow You can be hypoxic or anoxic without being ischemic	"How do you treat somebody who's sick? You <b>M</b> ave to find out what's matter with them."	<pre>3 If cardiac arrest was expected, the child would have been put in ICU to be observed [No more lab work done on Ashley]</pre>
	<u>Pg / In</u> 73/18 Defines Anoxic Enceph.	74/19	81/11	110/6	161/21-23

4-261> Estate of Ashley Carr

176/19 Why children who get viruses get encephalitis versus children who don't get encephalitis with the same virus . . . .There's certain host response that's unpredictable,

178/6 the Aritish Literature

208/5-7 Arching back can't he produced by respiratory arrest

209/17 Hypoxia is just decreased oxygen

211/10 Because he had respiratory arrest as the result of cardiac: arrest / no distress first

211/21 Becoming decerebrate and cyanotic

217/19 Because when you have a respiratory arrest you don't initially arch your back, become cyanotic end drop down to a heart rate of 30 within 3 minutes, That's just not typical

220/9 Arching back is a sign of decerebrate posturing which reflects lack of blood flow and oxygen to the brain!!!!!

## CHALHUB DEPOSITION (HINHLE) 3-1-85

(He was the treating physician testifying as an expert for the Defendants).

- 9/22. Child had a hypoxic ischemic encepha.
- 12/18. Caused by cardiac arrest.
- 14/16. Cardiac arrest probably caused by a metabolic abnormality
- 52/4. Testified once that a doctor failed in proper resuscitation
- 57/9. Consults and reviews records for St. Paul Ins.
- 57/20. Contacted by their claims reps.
- 78/16. When the blood flow does not go to the brain for even a period of one, two, or three minutes, then the brain suffers irrepairable damage.
- 81/8. If its anoxia and ischemia, then its a much shorter period of time.