

State of Ohio,                    )  
County of Cuyahoga.    )    SS:

IN THE COURT OF COMMON PLEAS

VERONICA FERRETTE, et al.,	)	
	)	
Plaintiffs,	)	
vs.	)	Case No. 370938
	)	William Coyne
FIREMAN'S FUND INSURANCE CO.,	)	
et al.,	)	
	)	
Defendants.	)	

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VOLUME II  
THE DEPOSITION OF BARBARA E. SWARTZ, M.D.  
MONDAY, MARCH 12, 2001

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The continued deposition of Barbara E. Swartz, M.D., called by the Plaintiffs for examination pursuant to the Ohio Rules of Civil Procedure, taken before me, the undersigned, Charles A. Cady, Registered Merit Reporter and Notary Public within and for the State of Ohio, taken at University Hospitals of Cleveland, 11100 Euclid Avenue, Cleveland, Ohio, Ohio, commencing at 1:05 p.m., the day and date above set forth.

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1 BARBARA E. SWARTZ, M.D.

2 of lawful age, called for examination pursuant to  
3 the Ohio Rules of Civil Procedure, having been  
4 previously duly sworn, was examined and testified  
5 further as follows:

6 CONTINUED EXAMINATION OF BARBARA E. SWARTZ, M.D.

7 BY MR. LANSLOWNE:

8 Q Doctor, we're continuing your deposition. You're  
9 still under oath, and the previous admonition I  
10 had given you about answering out loud and so  
11 forth still pertain.

12 And again, I would remind you that at  
13 anytime you want to go back to a previous answer  
14 that you have given and amend it, clarify it, add  
15 to it, feel free to do so.

16 A Okay.

17 Q And that would include anything that was said  
18 last Friday as well.

19 A Understood.

20 Q I think that when we -- my notes, anyway,  
21 indicate that when we left last week, we were  
22 discussing your opinions with respect to  
23 perinatal issues in Veronica and what exactly you  
24 were going to say about that.

25 And am I correct that you are going to be

1 offering the opinion that perinatal issues with  
2 respect to Veronica contributed to cause her  
3 cognitive impairments today?

4 A Correct.

5 Q And the perinatal problems that we identified are  
6 the prematurity, birth weight, and icterus?

7 A Correct, I think we also mentioned the DES.

8 Q But I thought that we decided that DES in itself  
9 would not be causing cognitive difficulties.

10 A I said that I was unaware of that, that you would  
11 have to check with an obstetrician.

12 Q Okay. You're not going to be offering the  
13 opinion that --

14 A No.

15 Q Now, with respect to the prematurity -- oh, and  
16 by the way, for any of the perinatal issues that  
17 you're talking about, you're going off of records  
18 of a history given by the patient's, or  
19 Veronica's, mother? Is that what you're going  
20 from?

21 A From the medical records. Actually, I believe I  
22 had her birth records in here. Maybe we should  
23 check that.

24 Q You can check.

25 A They're also --

1 Q But if you do, it would be a big surprise to me.

2 A There was, yes, a visit by her mother to the  
3 pediatrician's when Veronica was quite small, so  
4 it may have come from the mother. But I actually  
5 thought it came from -- I might have the birth  
6 record from Babies and Rainbow Hospital.

7 Q Well, that would be really surprising, because  
8 she wasn't born at Babies and Rainbow.

9 A Okay. So you have some birth records that we  
10 haven't seen?

11 Q I'm just asking if you saw any birth records.

12 A Where was she born?

13 Q My understanding is she was not born there.

14 A I'll have to wade through this stuff now. Do you  
15 want me to look for it later?

16 MR. HENTEMANN: Do you have your  
17 report?

18 THE WITNESS: Well, it doesn't  
19 say in the report if it was from an actual birth  
20 record or from the mother. I remember reading  
21 the visits, that the mother brought her in at an  
22 early age for bloody stool, I believe it was.  
23 And she gave her own perinatal history of being  
24 on bed rest and being on DES.

25 Q The mother, you're talking about?

1 A Yes, the mother did.

2 Q Right.

3 A Then with regard to the birth weight, that was  
4 from someplace else, but --

5 MR. HENTEMANN: Are you  
6 functioning from page -- what page are you on?

7 Q I'm just going on page 2 of 8 of the second  
8 report, is when you talk about this. "In  
9 reviewing her chart, she was born prematurely,"  
10 et cetera.

11 A Correct.

12 Q I just want --

13 A It was either from the mother's history or from a  
14 birth record. Maybe I can look through these  
15 later. It might be in the old records over  
16 there.

17 Q It would be the records of University Hospital  
18 that the mother gave a -- it appeared, anyway,  
19 that the mother gave some kind of a history to  
20 the --

21 A That's probably where it came from, then. I can  
22 check later. That's what we usually do, ask the  
23 mother for that kind of information.

24 Q Sure, at that age.

25 But the point is, you really haven't looked

1 at the actual birth records, have you?

2 A I said I would have to look through the pile to  
3 check later, if you want me to.

4 Q Okay. Well, we might as well check now.

5 A All right.

6 Q We might as well get that through.

7 MR. ARGIE: Off the record.

8 (Discussion held off the record.)

9 THE WITNESS: Was it Cleveland  
10 Clinic?

11 BY MR. LANSDOWNE:

12 Q Your question was, was there a history given at  
13 the Cleveland Clinic?

14 A Yes. She had some work done at the Cleveland  
15 Clinic.

16 Q There may be a history in there. But I'm pretty  
17 sure what you're referring to was University  
18 Hospital.

19 A The mother's history is at Babies and Rainbow.

20 Q I mean I don't know. I didn't do it. I'm just  
21 surmising from what I have reviewed, from the  
22 records that have been provided to me, and I have  
23 not been provided any birth records.

24 A And I also had the obstetrician's notes, but I  
25 don't see it.

1 Q Are the Rainbow records in this stack?

2 A They should be somewhere in there. That's what  
3 I'm looking for right now. I don't see it in  
4 this one.

5 Yeah, here in the intern's admission note,  
6 when she came in with bloody stools, it says,  
7 "Product of pregnancy in which mother spent most  
8 of the pregnancy in bed because of bleeding. The  
9 child was induced early. Weighed 4 pounds at  
10 birth.

11 "Patient spent first two weeks of life in  
12 incubator with jaundice. Mother described  
13 herself as a bleeder. Described treatment **for**  
14 delivery of both her children. Her child had  
15 vaginal bleeding for the first two months of  
16 life."

17 So that's where that came from.

18 Q And the record you were reading from was what,  
19 the University Hospitals?

20 A Yes.

21 Q Rainbow Babies and Children's record?

22 A Yes.

23 Q What was the date?

24 A 6-20-67.

25 Q 6-20-67?

1 A She was three years old.

2 Q Three years old?

3 A She came in for an admission.

4 Q So is that the only source of your knowledge  
5 about any of these perinatal issues?

6 A Yes. That's all I was given.

7 Q You don't know, for instance, what Veronica's  
8 Apgar scores are you, do you?

9 A No. That would be useful.

10 Q That would be important, wouldn't it?

11 A It would be a useful indicator, yes.

12 Q You don't know what her pH was at birth, if they  
13 even did a pH?

14 A We just -- yes, I don't. Obviously, we don't  
15 have those records.

16 Q Okay. But, again, those would be -- a pH level  
17 at birth would be useful information --

18 A It might be useful.

19 Q -- if you were trying to make a connection  
20 between cognitive problems and perinatal issues,  
21 correct?

22 A Well, it would be one additional fact. We  
23 already know, at least by the mother's  
24 description -- and that's generally the source of  
25 information we have on the patients -- is the

1 mother, that she had a couple of risk factors.

2 Q Right. But I mean if you're really trying to  
3 make a connection between perinatal complications  
4 and cognitive impairments, some of the things  
5 you'd want would be the Apgar scores, the pH at  
6 birth, whether there had been fetal distress,  
7 those kinds of things?

8 A It would be nice, but we almost never have that  
9 information. But in our presurgical evaluation  
10 in people with epilepsy, these are routine  
11 questions: "Were you too early? Were you too  
12 late? Did you have forceps? Did you have  
13 jaundice? Did you have to stay in the hospital  
14 longer than your mother?"

15 We also like to know what age they walked  
16 and talked at. I didn't find that in the  
17 records.

18 Q Did you find it said she met her milestones all  
19 on time?

20 A No, I didn't see that.

21 Q You didn't see that in the record.

22 Would that be significant?

23 A It would be useful.

24 Q And that's why you ask that question, --

25 A Sure.



1 Q -- if they met their 'milestones, because if they  
2 don't meet their milestones, maybe that's an  
3 indicator of some problem?

4 A Sure. And school performance is another  
5 indicator.

6 Q School performance is another indicator.

7 Did you ask for the birth records?

8 A I asked for whatever records were available.

9 Q Okay. According to that information, anyway,  
10 Veronica was two weeks premature, correct?

11 A Correct.

12 Q Do you know roughly how many two-week premature  
13 babies are born at Rainbow Babies and Children's  
14 every year?

15 A No. You'd have to check their records.

16 Q Are all those babies who are born two weeks  
17 premature at risk for cognitive impairments?

18 A Are they all at risk? Yeah, I guess they're all  
19 at some risk, some increased risk over being a  
20 full term.

21 Q What percentage of babies born two weeks  
22 premature have cognitive impairments?

23 A I don't know. You could ask a perinatologist  
24 that.

25 Q Do you think it would be less than 1 percent?

1 A I wouldn't know that. I wouldn't want to  
2 speculate.

3 Q You have no idea?

4 A I would not want to speculate.

5 Q You have no idea between 1 percent and 100  
6 percent?

7 A No.

8 Q And icterus, or jaundice, do you know how many  
9 babies have jaundice when they're born? What  
10 percentage?

11 A It's fairly common, but I don't know the exact  
12 percentage.

13 Q It's common.

14 Are all the babies who have jaundice at  
15 risk for -- actually, do you know of any  
16 literature that associates icterus and cognitive  
17 impairments?

18 A I can't quote you anything at the moment, no.

19 Q Well, is it possible that icterus is not  
20 associated with cognitive impairments at all?

21 A It's possible. But if somebody has to stay in  
22 the hospital two weeks for treatment, that's an  
23 unusually long period of time. Usually babies  
24 with icterus stay about a day.

25 And four pounds is pretty small for only

1 two months' prematurity. That's probably -- they  
2 usually don't let babies go home that are that  
3 small, so that's probably why she had to stay *so*  
4 long.

5 Q Do you mean two weeks premature?

6 A No. I mean her weight, four pounds.

7 Q I know. But you said two weeks premature.

8 A Oh, I'm sorry. Yes.

9 Q Do you know how many four-pound babies are born  
10 every year at Rainbow Babies and Childrens?

11 A No, I don't. You can check the records.

12 Q Are all those babies at risk for cognitive  
13 impairment?

14 A I would think they are.

15 Q Do you know what percentage of four-pound  
16 babies --

17 A No.

18 Q -- develop cognitive impairment? It could be  
19 less than 1 percent?

20 A I wouldn't know. I wouldn't want to speculate.

21 Q No idea between 1 percent and 100 percent?

22 A No. I would not want to speculate.

23 Q Okay. Given your lack of knowledge about the  
24 percentages of these types of problems actually  
25 causing cognitive impairments, what is it that

1 makes you able to say that in Veronica's case,  
2 these things more probably than not contributed  
3 to cause her cognitive impairment?

4 A Because in my work with people with epilepsy,  
5 these are very important risk factors both for  
6 cognitive deficits and for subsequent seizures.  
7 That's why they're included in our routine  
8 history and physicals. They're part of epilepsy  
9 databases, part of the recognized risk factors.

10 Q But what is it that makes it specific to Veronica  
11 that *you* can say that more probably than not in  
12 her particular case they contributed?

13 A Because of my experience with these types of  
14 problems, these type of risk factors.

15 Q But isn't it the case that much more frequently  
16 these so-called risk factors do not lead to  
17 cognitive impairments?

18 A I wouldn't want to speculate on that. I think  
19 it's probably the case that most people that  
20 undergo those risk factors are never tested  
21 adequately or never tested thoroughly as somebody  
22 coming to medical attention is tested.

23 Q And so there's --

24 A SO I don't know that you can even get the data on  
25 that.

1 Q Well, that again leads me back to my question,  
2 then.

3 If you don't know what the percentage of  
4 people who have these risk factors end up having,  
5 actually having 'cognitive impairments, it could  
6 be 1 percent, 2 percent, 3 percent --

7 A I know in the population that I deal with, it's a  
8 fairly high percent.

9 Q What percent?

10 A Oh, 25 to 30.

11 Q 25 to 30 in diagnosed epilepsy patients?

12 A Yes.

13 Q Which is a particular high-risk group in and of  
14 itself, isn't it, diagnosed epilepsy patients?

15 A High risk for what?

16 Q For cognitive impairments.

17 A Well, there are two distinct problems. People  
18 with epilepsy are frequently normal, but the  
19 problems often do run hand in hand. They're not  
20 the same pathophysiology, but they may both come  
21 from the same initial insult.

22 Q Okay.

23 A And very frequent seizures themselves can  
24 contribute to poor cognitive functioning.

25 Q I see. Well, even if it's 25 to 30 percent in

1 epilepsy patients -- and you're saying 25 to 30  
2 percent of your epilepsy patients who have these  
3 risk factors that we're talking about also have  
4 cognitive impairments. Is that what you're  
5 saying?

6 A I would say that perinatal risk factors in  
7 general and, yes, they would have coincident  
8 cognitive impairments.

9 Q Well, that's certainly less than half, right?

10 A 30 percent is a large percentage in medical  
11 terminology.

12 Q Right.

13 A It's less than half.

14 Q Okay. Well, then, isn't it more problem if you  
15 just -- based upon your experience, 70 percent  
16 don't have these coincident impairments.

17 Isn't it more probable that these risk  
18 factors did not affect Veronica Ferrette?

19 A No, I would not say that. In my population, that  
20 70 percent is made up of other risk factors, not  
21 normal individuals.

22 Q I don't understand what you mean by that.

23 A Well, you're assuming the other 70 percent  
24 therefore have no risk factors, and that's not  
25 what I said. The other 70 percent of my practice

1 have other risk factdrs, just not the same ones.  
2 Q But I'm talking about, the people who were born  
3 two weeks premature have some jaundice, a  
4 somewhat low birth weight.

5 What percentage of those people develop  
6 cognitive impairments?

7 A You asked me that before, and I said I would not  
8 want to speculate on that.

9 Q Okay. You wouldn't want to speculate on it in  
10 general, but in Veronica's case you are going to  
11 testify that more likely than not these are the  
12 effects, right?

13 A Correct, because I'm not speculating on a  
14 percentage of a whole group.

15 Q Okay.

16 A I'm applying my experience to the case at hand.

17 Q You have reviewed many medical records of  
18 Veronica Ferrette.

19 When is the first time that anybody  
20 diagnosed any cognitive impairments?

21 A Well, certainly as early as 1993.

22 Q And what would that be?

23 A Dr. McPherson's report.

24 Q You take that to diagnose cognitive impairments?

25 A I believe it did.

1 Q Can you identify where you get that information?

2 A Sure. I can find it if I take a minute.

3 I'm sorry. It was mainly a psychosocial  
4 inventory.

5 Q So Dr. McPherson didn't diagnose any cognitive  
6 impairments, correct?

7 A No. She only diagnosed emotional and  
8 psychological problems.

9 Q Right. Okay. Let me ask the question again,  
10 then.

11 When is the first time that anybody  
12 diagnosed any cognitive problems?

13 A Well, nobody had tested her before the incident,  
14 so most neuropsychologists would look back at her  
15 school performance to try to get some premorbid  
16 history.

17 Q So we're clear here, nobody diagnosed any  
18 cognitive problems for Veronica Ferrette prior to  
19 her poisoning by carbon monoxide, correct?

20 A Correct, because nobody tested her.

21 Q Okay. Did you look at her school records?

22 A I saw the report of her GPA by several other  
23 people, in the records, several other  
24 neuropsychologists.

25 Q Did you look at her high school performance?



1 A No. That wasn't provided to me.

2 a Did you ask for it?

3 A I asked for whatever records were available, as I  
4 said.

5 Q Okay. Would you want to see her high school  
6 records, then?

7 A Well, college and high school would be fine.

8 Q Okay. Do you have any indication that her high  
9 school or college records show cognitive  
10 impairment?

11 A Well, she did not perform very well in college.

12 Q Are you saying that her performance in college  
13 indicated a cognitive impairment?

14 A Yes. I mean if you're not performing up to  
15 average, you have some mild cognitive impairment  
16 or you have some emotional problem or you're just  
17 not responsible and you're not studying, not  
18 doing the work. It's hard to say which one.

19 But when neuropsychologists evaluate a  
20 person with whom -- who has had no previous  
21 testing, that's the kind of information they have  
22 to go by, what their premorbid functioning was.

23 Q Well, that's fine for the neuropsychologist, but  
24 we're here asking you as the neurologist.

25 Are you able to say one way or the other

1           whether her school records indicate a cognitive  
2           impairment?

3       A       No, you can't say that a hundred percent.

4       Q       And when you say she was doing poorly in college,  
5           what are you referring to?

6       A       I think her GPA was below a C for the first  
7           couple years, and then she herself acknowledged  
8           with one of her neuropsychologists that she had  
9           worked hard to bring it up to above a C.

10      Q       And did she?

11      A       She worked to bring it to, like, a C from a D  
12           average, was my understanding.

13      Q       A C average; above a C average.

14                        She graduated from college?

15      A       I'm not sure she graduated. I only saw reference  
16           to three years of records. She said she  
17           graduated, but I didn't see that specifically.  
18           She may have.

19      Q       If she graduated from college, wouldn't that be  
20           significant to you?

21      A       It depends on the college.

22      Q       Okay.

23      A       You know, I'm not the one saying she has major  
24           cognitive deficits. I don't believe she has  
25           major cognitive deficits, so we're talking about

1 minor cognitive deficits at this point. And  
2 certainly you can get through high school and  
3 college with that.

4 Q Okay. Are you aware of any research regarding  
5 delayed symptoms from carbon monoxide poisoning?

6 A I've seen some reference to it.

7 Q What have you seen?

8 A That you can have some delayed symptoms, anywhere  
9 from two to 40 days, after the insult, and that  
10 these also show a good prognosis for recovery.

11 Q What articles specifically have you looked at?

12 A I don't remember the author's name.

13 Q When did you look at it?

14 A In January, as I said before.

15 Q Is that the article that's still in your folder?

16 A No. That's just a general review of toxins.

17 Q **So** your opinion, then, is that Veronica had mild  
18 cognitive problems, but was able to get through  
19 high school and college with her mild cognitive  
20 problems?

21 A Correct.

22 Q And it just went undiagnosed for 34 years; is  
23 that right?

24 A I would agree to that.

25 Q Okay. Have you seen any --

1 A Let me just say, I would agree that's possible.  
2 I think we don't really have any testing on her  
3 beforehand, but I certainly agree that's  
4 possible.

5 Q Well, she's undiagnosed, right? Whether it's  
6 because she didn't do testing or whatever, she's  
7 just not diagnosed, right? She went through her  
8 whole life --

9 A That's what I just said.

10 Q All right. I thought you were adding something  
11 to that, qualifying that in some way.

12 A Well, I'm saying that I think that's possible.  
13 I'm not saying that I know it for certain, since  
14 she wasn't tested.

15 Q Well, you know she wasn't diagnosed. That's the  
16 point, isn't it?

17 A No. I think that's saying something different.  
18 When you say, you know, that she has deficits  
19 that weren't diagnosed versus she may have had  
20 deficits but wasn't tested, those are two  
21 completely different statements.

22 Q Well, what are you saying?

23 A The latter.

24 Q That she may have had deficits?

25 A I believe she may have had preexisting deficits

1           that simply were not brought into a testing  
2           arena.

3       Q       Okay. And she may not have had deficits?

4       A       She may not have.

5       Q       You can't say one way or the other?

6       A       I think --

7                           MR. HENTEMANN:               Are we talking  
8           prior?

9       A       We're kind of -- you know, do you want to give me  
10       the test? Which test? I mean what deficit?  
11       It's too broad a term.

12      Q       Well, you're the one who identified in your  
13       report --

14      A       I identified risk factors for subsequent  
15       cognitive deficits and seizures. That's what I  
16       identified. And when we looked at her from all  
17       of her risk factors, I thought those were  
18       significant.

19      Q       Well, what you said is, "She may have some minor  
20       neurocognitive problems"?

21      A       I'm still saying the same thing.

22      Q       Okay. All I'm trying to find out is, did she  
23       have the minor neurocognitive problems before she  
24       was exposed to carbon monoxide?

25      A       Well, I'm sure we'd all like to know that. My

1 opinion is that she probably did.

2 Q And they were undiagnosed until after the carbon  
3 monoxide poisoning, correct?

4 A Correct, because nobody tested her.

5 Q Okay. Did you see in any of the records that you  
6 reviewed, prior to the carbon monoxide poisoning,  
7 any seizure activity?

8 A Just one kind of obscure thing on a radiology  
9 request.

10 Q Tell me about that.

11 A There's a CT -- it's in my report. There's a CT  
12 that was ordered' and the diagnosis on the CT was  
13 written as, "Patient with convulsions."

14 Q Okay. You mean in your report, on page 2 of your  
15 second report when you say that, dated 1-18-96?

16 A My first report -- wait a minute.

17 Q Down at the bottom there?

18 A Yes.

19 Q Okay.

20 A I wouldn't necessarily say that's meaningful.  
21 It's hard to know where that came from in terms  
22 of the radiologist who wrote it, or whoever wrote  
23 it.

24 Q Okay. Any other references to any seizures prior  
25 to the carbon monoxide poisoning?

1 A Not that I noted.

2 Q Do you know of any literature that would say that  
3 the risk factors, the perinatal risk factors that  
4 you were talking about, can lead to seizures  
5 occurring after 34 years?

6 A Oh, certainly.

7 Q Can a person have no seizure activity at all and  
8 then these perinatal risk factors kick in at 34  
9 years?

10 A Well, they usually kick in a little earlier, but  
11 it's not that unusual to have them kick in in  
12 adult years.

13 Q Really. There's literature to that effect?

14 A I think if you look at the epilepsy surgical  
15 literature, you'll find that.

16 Q And what about for the cognitive impairments? Is  
17 there literature to support these perinatal risk  
18 factors causing cognitive impairments to occur  
19 suddenly at 34 years?

20 A I don't know of any, no.

21 Q You don't know of any single case in which that  
22 has happened, do you?

23 A It's not something I have searched for.

24 Q Okay. Let me ask you about, we talked a little  
25 bit last time about the exam that you performed

1 on Veronica, and we talked at least about the  
2 cognitive part of the test that she did.

3 Do you recall us talking about that?

4 A Yes.

5 Q You also did a physical exam; is that right?

6 A Neurologic exam.

7 Q Neurologic exam.

8 And how long did that, the neurologic exam,  
9 take, that part of the exam?

10 A I did not time it, as we've already established.

11 Q Okay. By the way, how is it that Mr. Hentemann's  
12 office got ahold of you?

13 A I don't know.

14 Q I mean how did they identify you?

15 A I have no idea. They might have just called the  
16 department.

17 Q You did a motor exam? Is that part of the  
18 neurologic --

19 A That's part of the neurologic exam, correct.

20 Q And on that you -- page 3 of your first report, I  
21 guess. Is that where the motor exam is  
22 discussed?

23 A Yes.

24 Q And "She had normal bulk, tone, and strength on  
25 the right side"?



1 A Yes.

2 Q And on the left side she was -- is that "5 of 5  
3 at the biceps"?

4 A 5 minus.

5 Q What does that mean?

6 A Well, we use a 5-point scale, 5 being normal,  
7 zero being nothing, and, you know, fill in the  
8 in-between numbers. There are standard  
9 performance measures for the 5-point scale. Most  
10 people find that 5 points is a little crude, so  
11 we use pluses and minuses.

12 Q So she was just slightly --

13 A Not quite as good as the other side.

14 Q Not quite as good at the biceps level, 5 minus 5,  
15 correct?

16 A Correct.

17 Q 4 plus at the triceps, correct?

18 A Correct.

19 Q So just slightly below the 5?

20 A Correct.

21 Q So a very minor weakness? Is it weakness that  
22 you're testing?

23 A Correct. It says here these were all give-way  
24 weakness.

25 Q 4 plus at the deltoid. So again, just .slightly

1 below the normal?

2 A Correct.

3 Q And by "give-way weakness," what do you mean?

4 A I mean they're able to exert full power, but they  
5 do it only instantaneously and then they give  
6 way.

7 Q What's the significance of that?

8 A It indicates somebody who's capable of showing  
9 normal strength but prefers not to.

10 Q Prefers not to or doesn't have the stamina?

11 A No. There's a different type of exam when  
12 somebody doesn't have the stamina. Then it's a  
13 more gradual overcoming of their course rather  
14 than an abrupt giving way.

15 Actually, I think Dr. Mars describes the  
16 same thing.

17 Q "Finger reflexes were just slightly below  
18 normal"?

19 A Correct.

20 Q And the "femur" was again "4 of 5"?

21 A Yes. I'm sorry. That's a typo. The femur is a  
22 bone. It should have been either the quads or  
23 the femoral nerve group, probably.

24 Q So pretty much on all the left side you tested --

25 A Yes.

1 Q -- she had this very'slight weakness?

2 A Yes.

3 Q And you test those individually, don't you?

4 A Correct.

5 Q And your conclusion is that for each of these she  
6 didn't try as hard as she could?

7 A Correct,

8 Q And she was able with each of those to come up  
9 just below the normal?

10 A Or even at normal, but then she gave way.

11 Q In each of the things that you tested on the left  
12 side, she was just slightly below getting a 5 of  
13 5, correct?

14 A Correct.

15 Q Would that be hard to do, to -- strike that.

16 Veronica was pleasant and cooperative  
17 throughout the exam?

18 A Correct.

19 Q You don't say anything about her affect. Dr.  
20 Naugle said that it was flat.

21 A No, she --

22 Q Do you agree with that?

23 A No, not when I talked to her. She was quite  
24 engaging. She started talking to me about her  
25 previous work people that she knew, did I know

1           them and so on.

2                       And she wasn't flat with my -- she was  
3           actually angry at my nurse about the fact that  
4           the clerk had asked her about how she was going  
5           to pay for the exam and so on. So-she just  
6           engaged us spontaneously.

7       Q       Did you tell her to make sure that Dr. Vargo  
8           takes a look at her left leg?

9       A       Dr. Vargo? I didn't know that name at the time.

10      Q       Hadn't she told you about her treatment at Metro?

11      A       Yes. But I didn't know the name of the person  
12           doing it.

13      Q       Did you tell her to make sure that somebody  
14           looked at her left leg?

15      A       No. °

16      Q       Not at all?

17      A       No. I'm sure I wouldn't have said that.

18      Q       A Homans' sign is pain in the calf, isn't it?

19      A       Yes. And I scratched that, too. That's another  
20           typo. It's corrected on the final report.  
21           That's why I described the actual test on the  
22           final report, so you'll know exactly what was  
23           done.

24      Q       What final report?

25      A       Well --

- 1 MR. HENTEMANN: The second one.
- 2 A The second one. The second report.
- 3 Q Okay. Well, I have the second report.
- 4 A Right. So it's --
- 5 MR. HENTEMANN: Are you working
- 6 from the second report?
- 7 A I'm looking at the first one, but I'm saying that
- 8 also was a typo. So I described the exact test
- 9 in the final report so that you'll know exactly
- 10 what was done.
- 11 Q Okay.
- 12 A Here, it's, "Because of" -- page 6 of 8, "Because
- 13 of the discrepancy in her observed and tested
- 14 gait," I asked her to perform a test in which her
- 15 leg is raised off the bed and et cetera.
- 16 And that has an eponym attached to it.
- 17 And I can't remember the eponym, so. I remember
- 18 that Homan's was the other sign, and scratched
- 19 that.
- 20 Q A Homans' sign is pain, isn't it?
- 21 A That's why I said I scratched that. So we're not
- 22 talking about Homans' sign anymore.
- 23 Q Well, let me just ask, did she have pain in her
- 24 leg?
- 25 A No.

1 Q Can you describe how you do this test?

2 A Yes. It is described there. But as you --  
3 they're lying on their back. You ask them to  
4 raise their leg. You have your hands slip  
5 beneath the opposite buttocks. They have to  
6 stabilize the hip on the bed in order to raise  
7 their leg. So if they're actually making a good  
8 effort to raise the leg, we'll feel them pressing  
9 into your hand on the opposite side.

10 So she pressed into my hand on the left  
11 when she was raising her right but failed to  
12 press into my hand when she was raising -- trying  
13 to raise her left leg, at least to any great  
14 degree. She pressed it a little bit and raised  
15 it a little bit.

16 Q What causes the pressing to occur?

17 A Contracting --

18 Q Tightening of the muscle?

19 A Stabilizing the hip. All of these muscles here  
20 stabilize the hip onto the table.

21 Q I see.

22 If somebody has pain in one of their legs,  
23 does that affect that kind of test?

24 A If they had pain --

25 Q Pardon me?

1 A If they had pain, they might not make an effort.  
2 She didn't complain of any pain.

3 Q So that's another instance of her faking?

4 A Correct.

5 Q Let me just ask you, do you think that's a  
6 serious charge to make against a person, that  
7 they're faking?

8 A It's not a legal charge.

9 Q Well, what is it?

10 A It's just a medical observation.

11 Q Well, don't you think it's serious?

12 A It was your -- no. It's just one of -- I'm not  
13 making moral judgments about it.

14 Q Well, do you think a charge like that could hurt  
15 a person's reputation?

16 A No. It's supposed to be confidential.

17 Q Well, I mean you're testifying to it in a  
18 deposition.

19 A Well, this is an unusual circumstance. I didn't  
20 use that term. You used it.

21 Q Well --

22 A I used "elaborating" or "malingering" or other  
23 terms.

24 Q Malingering?

25 A You said specifically "faking."

1 Q Okay. Well --

2 A And you seem not to be satisfied with anything  
3 else, so I've just decided to go along with that.

4 Q I'm satisfied with whatever you want to say,  
5 Doctor.

6 A Okay.

7 Q Believe me, it doesn't matter to me what you say.

8 A Well, then, all I'm saying is she did not make  
9 the adequate effort. She did not make an effort  
10 to raise her left leg.

11 Q All right. Now, on page 7 of 8 you say that she  
12 "has a wealth of doctors and emergency room  
13 visits for a variety of relative minor complaints  
14 both before and after the carbon monoxide  
15 exposure."

16 Do you see that?

17 A Yes.

18 Q Then you go on to say, "She even had an abdominal  
19 surgery which was not clearly necessary according  
20 to the operative report."

21 What is the significance of what you're  
22 saying there about her past medical history, if  
23 any, to your opinions in this case?

24 A It appears that she may have a tendency to be  
25 histrionic.



1 Q Meaning what?

2 A Meaning more likely to attribute various types of  
3 stressors to physical -- to have them manifest as  
4 physical manifestations.

5 Q Is that an emotional condition or a psychiatric  
6 condition?

7 A Well, it's both.

8 Q Both?

9 A Yes.

10 Q Again, that would be a psychiatrist's area of  
11 specialty?

12 A Neurologists have to deal with these problems  
13 frequently. So this type of problem I would say  
14 also falls under neurologists and general  
15 practitioners. It depends what the symptoms are,  
16 what system they claim is being affected as to  
17 who will deal with it.

18 Q I'm trying to find out which of these, if we have  
19 to go through them, or if you can tell me which  
20 of these, of her past medical history, do you  
21 think is histrionic?

22 A Well, she had several visits for possible facial  
23 fractures that she didn't have. She had several  
24 visits for pain as a child. As a child she had a  
25 history of being already treated with a number of

1           narcotics; pain in the legs, pain in the back.  
2           Where this was coming from is not clear from the  
3           notes.

4       Q       Did any of --

5       A       You know, maybe it's the mother who's a  
6           worrywart, but...

7       Q       Okay. Did you see in any of the records of any  
8           of these visits where any of these doctors that  
9           she was going to see thought that Veronica was  
10          histrionic?

11      A       I didn't see anybody mention that, no.

12      Q       I mean they're the doctors who were actually  
13           there treating her for the complaints that she  
14           came in with.

15                Wouldn't they be in a better position?

16      A       They would just evaluate them, and when they find  
17           nothing, they send her out.

18      Q       They didn't --

19      A       A lot of these are emergency room visits. So,  
20           no, they're not treating physicians.

21      Q       Well, tell me about -- you said two visits for  
22           facial fractures?

23      A       I think she was hit in the face with a basketball  
24           as a child, came in, and later she was hit again.  
25           That time she was beaten up by her boyfriend, so

1           it probably would be appropriate to x-ray her at  
2           that point.

3       Q       Well, the time she was hit (witha basketball, she  
4           actually had a fractured nose, didn't she?

5       A       I don't think it showed on the x-ray. I think  
6           that was a query on the x-ray form, was "Rule out  
7           fracture."

8       Q       And the time that she got in an altercation with  
9           her boyfriend, did you review the records  
10          relating to that, to that incident?

11      A       Well, I don't know if I had all of them. I saw  
12          the CT report.

13                   MR. HENTEMANN:            You're talking  
14          about medical records?

15                   MR. LANSDOWNE:           Yes.

16      A       And I think I saw Dr. Kimball's note that she had  
17          examined her and sent her for a head CT.

18      Q       I think you said in your report that -- let me  
19          get this correctly -- you don't believe the  
20          incident with the boyfriend --

21      A       I didn't discuss that.

22      Q       -- had anything to do with her problems; is that  
23          right?

24      A       No. I didn't discuss that in my -- I don't  
25          recall mentioning anything about that.

1 Q I think --

2 A I think I mentioned she's had some history of  
3 head trauma. Is that what you're talking about?

4 Q Yes. In the middle of page 7.

5 A Right.

6 Q "She has also had several head traumas, although  
7 I doubt these were significant since she never  
8 lost consciousness"?

9 A Right. In terms of significant, I mean I'm sure  
10 they were significant to you. I'm talking about  
11 risk for seizures. We were talking about  
12 seizures at that point in time.

13 Q Okay. And you were including in these traumas  
14 the altercation with the boyfriend?

15 A Yes, it would have been included, but I didn't  
16 mention it specifically.

17 Q Okay. And the other head trauma was getting hit  
18 by the basketball?

19 A And it seems like there was one other one in  
20 there as well, but I'd have to look it up.

21 Q Okay.

22 A I didn't pay attention to them. Since she didn't  
23 lose consciousness, they didn't pose a  
24 significant risk factor in my mind.

25 Q Whatever they were, they just weren't significant

1 to the issues in this case, correct?

2 A I didn't --

3 MR. HENTEMANN: Of the seizures?

4 A Of the seizures.

5 Q Okay.

6 A We're talking about risk factors for seizures.

7 Q Well, they weren't significant to the seizures,  
8 then, right?

9 A No, I didn't think so.

10 Q And they weren't significant to the cognitive  
11 problems either, correct?

12 A Well, I'd say probably not, since she wasn't  
13 knocked out.

14 Q So they're not significant to anything in the  
15 case, correct?

16 A Well, I think, as I said, they're significant to  
17 her, I'm sure. But they're not necessarily --  
18 they may have relevance to this case, but they're  
19 not significant to --

20 Q They're not significant to you medically?

21 A The two issues we're talking about, no.

22 Q Okay.

23 A You know, I think -- well, I shouldn't volunteer  
24 things. But you're asking me if the other  
25 doctors had ever said anything about her behavior

1 or questioned her complaints. That's why it's  
2 always useful to have all of the records.

3 You know, in medical school. they always  
4 tell us to make sure you look at all the records  
5 before you make a diagnosis. And I don't think  
6 any of these people ever did have all the records  
7 at their disposal.

8 Q only you have had all the records?

9 A Well, I think everybody in this case has now had  
10 access to all of them.

11 Q So just so I know what records you have and what  
12 hospitalizations, when you talk about these  
13 several hospitalizations and **so** forth that lead  
14 you to believe that she might be histrionic, the  
15 first one would be **1967**, when she had bloody  
16 diarrhea. Is that --

17 A Yes. She was three then.

18 Q Do you believe she was histrionic at three?

19 A Obviously not.

20 Q And then she had urinary tract infections at age  
21 11 and a half and 12 and a half.

22 She wasn't, you know, feigning urinary  
23 tract infections, you wouldn't think, would you?

24 A No. I don't know how those diagnoses were made.

25 Q Then she had a bruised kneecap.

1 Did you see that?

2 A A bruised kneecap.

3 Q And they actually diagnosed some chondromalacia  
4 there, didn't they?

5 A But that doesn't result in bruising.

6 Q I'm just saying they did diagnose some  
7 chondromalacia, 'correct?

8 A It's just coincident.

9 Q All right. But chondromalacia could be a  
10 significant medical condition?

11 A But that's not what she came to -- that's not  
12 what her complaint was.

13 Q So what? What's the difference? She came with a  
14 sore knee.

15 A Well, the difference is her mother is taking her  
16 to the emergency room whenever she bruises her  
17 kneecap, --

18 Q Okay.

19 A -- whenever she has a little back pain. I think  
20 she has a source for learning these behavior  
21 patterns.

22 Q Then she had the fractured nose, or at least  
23 there was a suspicion of fractured nose.

24 A Well, we could look it up if you want. I'm not  
25 sure if it was actually fractured.

- 1 Q I just think, Doctor, if you're going to say she  
2 may be histrionic, you ought to know what these  
3 things are. So maybe you better look at that.
- 4 A Well, based on my exam, I could say that.
- 5 Q Just based on her exam, you could tell she was  
6 histrionic?
- 7 A Yes. She was faking, in your term, neurologic  
8 symptoms and signs.
- 9 Q Okay. And you think that's a lifelong behavior?
- 10 A It may be.
- 11 Q Maybe learned from her mother?
- 12 A Well, I'm not going --
- 13 Q Is that what you said?
- 14 A I won't speculate on that.
- 15 Q Okay. And she had cancer.
- 16 You don't think she was faking that in any  
17 way, do you?
- 18 A No. It's related to the DES.
- 19 Q She had lower-quadrant pain and had an  
20 appendectomy?
- 21 A Correct.
- 22 Q Do you think that she somehow faked appendectomy  
23 symptoms, --
- 24 A She didn't have --
- 25 Q -- or appendicitis symptoms?



1 A She didn't actually have those symptoms. She had  
2 lower-quadrant pain. What I recall from reading  
3 the notes is that she didn't have rebound and the  
4 other things you associate with actual  
5 appendicitis. She had a number of normal tests.

6 She persisted in having pain, and they  
7 finally did one more test and thought they saw  
8 some fluid. And based on that they took her to  
9 the operating room, and it was a normal appendix.

10 Q So what's the significance there?

11 A I think she had some pain that was not related to  
12 appendicitis that she elaborated on. She was in  
13 the hospital for quite a while about it.

14 Q And that was at University Hospitals here, right?

15 A I don't remember where it was.

16 Q Well, it was --

17 A Fine.

18 Q That's what the records say.

19 So are you saying that the doctors at  
20 University Hospital here did an unnecessary  
21 surgery on her?

22 A The surgeons always say, "If you think  
23 appendicitis, you should do the surgery." So  
24 you'll have to ask them about that.

25 Q I'm asking you. Do you think they did an

1 unnecessary surgery?

2 A I wouldn't want to speculate on that.

3 Q Sinusitis. She's also had sinusitis problems?

4 A Correct.

5 Q Do you think those are real?

6 A I wouldn't want to speculate on that either. I'm  
7 sure some of them are real. She's had procedures  
8 to deal with them. And sinusitis can cause a lot  
9 of the problems that she complains of: headache,  
10 dizziness.

11 Q Carbon monoxide would be more likely to cause  
12 those kinds of things?

13 A Acutely. And statistically, no, sinusitis would  
14 be more likely, because it's more common.

15 Q Sinusitis would be what?

16 A Sinusitis is more common than carbon monoxide  
17 poisoning, so that would be more likely to cause  
18 those symptoms.

19 Q Oh. I thought you were saying the symptoms  
20 didn't match up with sinusitis?

21 A No.

22 Q Okay. Page 7 of 8 at the bottom there. **Is** this  
23 last paragraph part of your medical opinions or  
24 is it just a -- I don't know what. I'm not sure  
25 what it is. Is this part of your medical

1 opinions, this last paragraph?

2 A Well, let me read it. It's part of the summary.

3 It's part of my summary of her cognitive  
4 and emotional status.

5 Q I mean does it form the basis of any of your  
6 opinions in the case?

7 A Which opinions? It doesn't form the basis of my  
8 opinion about her seizures. It does not form the  
9 basis of my opinion about her neurologic  
10 deficits. And it probably contributes to -- in  
11 my opinion, contributes to her current behavior.

12 Q "Current behavior" meaning what?

13 A Vis-a-vis her cognitive testing.

14 Q Oh. You mean the scoring poorly on the cognitive  
15 tests?

16 A Correct.

17 Q And that's as a result of an emotional problem;  
18 is that what you're trying to convey here?

19 A I think I convey that it's a combination of  
20 things. She's somebody that was not -- didn't  
21 have good mechanisms for dealing with, you know,  
22 any additional stressors in her life.

23 Q And that's based on your review of --

24 A It's based on all of the notes, from her  
25 psychologist, from her other doctors, and her

1 MMPI in '93.

2 Q Are these two reports that we have marked the  
3 only two reports you have created in this case?

4 A Correct.

5 Q Did you do any drafts of these?

6 A Graphs?

7 Q Yes, drafts of the reports.

8 A Drafts. No. I mean there were some -- I  
9 corrected some typos initially. Unfortunately, I  
10 see I didn't get them all. But other than that,  
11 no.

12 Q You referenced you reviewed the Charlie's Crab  
13 records?

14 A Yes. That was sent, too, with the stack.

15 Q Did you ask for those, or what happened?

16 A I asked for whatever was available, and I got in  
17 addition a bunch of billings and the Charlie's  
18 Crab notes.

19 Q Are the Charlie's Crab records of any  
20 significance to you?

21 A Well, I looked through them, and I noted she was  
22 having difficulties at work before the incident  
23 requiring counseling, making frequent mistakes  
24 and had even requested, I don't know, some kind  
25 of leave right before the incident for some

1 emotional distress or something. It wasn't clear  
2 what it was for.

3 Q Are those the employment records you looked at?

4 A That's all I had given to me.

5 Q When you say making frequent errors --

6 A I think one was, you know, an incorrect adding of  
7 the bill. And I forget. One had something to do  
8 with a gift certificate. I didn't quite  
9 understand what the mistake was there.

10 Q So what I mean is, when you say "frequent  
11 errors," that's two errors?

12 A I think the person that was her supervisor made  
13 some note as to saying, in effect, "This is" --  
14 "I told her this is the last time," or something  
15 like that, "I'm going to put up with this."

16 Q Last time I think you said you do know Susan  
17 Redline?

18 A I know her by name.

19 Q Did you look at any of her performance  
20 evaluations of Veronica Ferrette?

21 A Nobody gave those to me.

22 MR. LANSLOWNE: Let's mark  
23 this as an exhibit.

24 - - - - -

25 (Plaintiff% Exhibits 6 and 7 were marked.)

- - - - -

1

2 Q You have an appointment at Case, don't you?

3 A Yes.

4 Q Do you do employee evaluations?

5 A Yes.

6 Q Does this look like one that you did?

7 A No. The ones I do are under University  
8 Hospitals, so they're not quite the same.

9 Q Well, this is Dr. Redline's evaluation of  
10 Veronica Ferrette?

11 A Yes.

12 Q And the position is on the back, "Research  
13 Assistant II."

14 Do you see that at the top?

15 A Yes".

16 Q Do you know what that position is?

17 A No. It's some research assistant, but I'm not  
18 sure of the significance of the "II." It's a  
19 salary level, I assume.

20 Q Do you see the categories for the review? For  
21 "Initiative" she gets an "outstanding"? Do you  
22 see that?

23 A Well, I see a "1," actually.

24 Q And the "1" is "outstanding"?

25 A Okay.

1 Q You see that?

2 A I see that at the top.

3 Q You understand that?

4 MR. HENTEMANN: I'll object.

5 This is not a document that was prepared by her,  
6 prepared by the witness.

7 Q You said before you would like to have --

8 A No, I did not. I said I would like to have --

9 Q Well, let me finish my question, Doctor. Last  
10 week you said it would be interesting for you, in  
11 trying to assess the whole patient, to have  
12 information about how she performed prior to the  
13 carbon monoxide exposure; isn't that fair?

14 A Yes.

15 Q And this document does relate to a period prior  
16 to -- her work performance prior to her carbon  
17 monoxide exposure, correct?

18 A It's dated the 20th of December, '94.

19 Q And that is prior to her carbon monoxide  
20 exposure?

21 A Yes.

22 Q And so would you agree with me, then, that this  
23 document would be of interest in trying to  
24 determine Veronica's premorbid condition, as you  
25 call it?

1 A I would agree that it indicates that she was  
2 doing well at that time.

3 Q It actually indicates she's doing outstanding at  
4 that time overall, correct?

5 MR. HENTEMANN: Objection. It  
6 characterizes the document.

7 Q Well --

8 A Yes. You would have to talk to Dr. Redline about  
9 that.

10 MR. HENTEMANN: Talk to Dr.  
11 Redline. Is she going to testify?

12 MR. LANSLOWNE: She's on our  
13 witness list.

14 Q The "Supervisor's Overall Rating," "Outstanding."  
15 Do you see that?

16 A I see that she checked that. I wouldn't want to  
17 interpret Dr. Redline's evaluations.

18 Q But you do evaluations of employees, you've said,  
19 right?

20 A Not on that form.

21 Q Are there categories of "outstanding," "good,"  
22 "satisfactory," and that kind of thing on yours?

23 A They're similar. It's not exact. It's not  
24 identical.

25 Q Similar?



1 A We have a point system rather than descriptors.

2 Q I would imagine that in a hospital setting, it's  
3 important to be accurate and candid in your  
4 evaluations of employees?

5 A I'm not going to comment on that.

6 Q You're not?

7 A No.

8 Q Okay.

9 MR. HENTEMANN: What was the  
10 date of that report?

11 THE WITNESS: December.

12 MR. HENTEMANN: 12-20-94.

13 THE WITNESS: Yes.

14 Q Did you have an opportunity to read Dr. Felker's  
15 report?

16 A Yes.

17 MR. HENTEMANN: Excuse me,  
18 Dennis. But you had another document identified  
19 in conjunction with this.

20 MR. LANSDOWNE: Yes. I'm going  
21 to come back to that one.

22 MR. HENTEMANN: Okay.

23 MR. LANSDOWNE: That will be  
24 number 7.

25 MR. HENTEMANN: What is number

1 7?

2 MR. LANSDOWNE: It's a  
3 description of "Research/Sleep Technician,  
4 Technician II."

5 BY MR. LANSDOWNE:

6 Q Having read Dr. Felker's report, did it refresh  
7 your recollection if you had ever seen this  
8 report prior to over the weekend?

9 A I don't believe I had read the whole report  
10 before. I believe I said I remembered seeing the  
11 IQs. It may have been included and it got  
12 overlooked.

13 Q What, did you make some notes about the report  
14 over the weekend?

15 A Yes, since I read it on the weekend.

16 Q All those notes?

17 A No. I also tried to get some kind of chronology  
18 thing going but wasn't very successful. These  
19 are mainly Felker's. This is Naugle here.  
20 Naugle was the one that was new.

21 Q You had not seen Dr. Naugle's report before?

22 A Correct. I had seen it just before we started  
23 the deposition. It had been sent to me on the  
24 7th, so I hadn't had a chance to read it  
25 carefully.

1 Q Okay. Are you familiar with the Wechsler Adult  
2 Intelligence Scale III?

3 A Yes.

4 Q Do you administer those tests or --

5 A No. Psychometricians or neuropsychologists  
6 administer those.

7 Q Is it a well-recognized test?

8 A Sure.

9 Q Do you rely on those kinds of results in your  
10 work?

11 A In our presurgical evaluations, yes.

12 Q All right.

13 A It's one of a series of tests; it's not the only  
14 one.

15 Q How would you describe her score, Veronica's  
16 score, on that test as given by Dr. Felker?

17 A Well, she had a difference in her verbal and  
18 performance IQs. It would be borderline greater  
19 than the performance. Usually you look at 15  
20 points to be significant between verbal and  
21 performance IQ. Full-scale IQ of 74 is obviously  
22 below average. That's a 100-point scale, 100  
23 being average.

24 Q It's a hundred-point scale?

25 A No. It goes up. But 100 is average.

1 Q Okay. Well, how would you describe 74?

2 A I said it's obviously below average.

3 Q Did this appear to you, from your experience and  
4 knowledge, to be a full psychological analysis?

5 A Which, the Wechsler or just the whole report?

6 Q The whole report. Dr. Felker's whole report.

7 A I believe it seemed fairly complete. I don't  
8 recall all the tests given specifically.

9 Q Well, do you recall anything missing?

10 A Let me pull it out. Let me pull it out.

11 There's always going to be something  
12 missing. I mean there are hundreds of tests you  
13 can do.

14 Q But I mean anything that struck you that should  
15 have been done that wasn't done?

16 A I didn't look at it from that point of view.

17 Q Okay. Well, what point of view did you look at  
18 it from?

19 A I just read it from the general results and to  
20 see how it compared with other observations of  
21 **Ms.** Ferrette.

22 Q And what were your conclusions about that?

23 A Well, she's obviously performing at a very low  
24 level relative to her previous employment record,  
25 college record, so on.

1 I thought it w'as quite interesting that  
2 she reports, Dr. Felker reports, her areas of  
3 strength are the "knowledge of social norms,  
4 knowledge of social practices and common sense  
5 judgment."

6 The reason that's interesting is because  
7 common sense is actually a reflection of IQ. The  
8 former neuropsychologist that we worked with  
9 corrected me on that one time. I remember it  
10 very well.

11 So in her interactions with the  
12 psychologist, she impressed her as functioning  
13 normally, but she tests very low.

14 Q Well, where does it say that she interacted  
15 normally?

16 A It says, her areas of strength are, and I just  
17 read it. So "knowledge of social norms," "social  
18 practices and common sense judgment."

19 Q Okay. She didn't say anything about being  
20 normal, though, did she?

21 A I made that statement that I thought that was  
22 interesting.

23 Q I see. Okay.

24 Dr. Felker concludes that Veronica  
25 "...shows a primary diagnosis of Organic Brain

Syndrome Secondary to Carbon Monoxide Poisoning," and "Some Depressive Symptomatology is also noted." That's on the basis of the testing that she did, apparently.

Do you agree or disagree?

A I would have to disagree. I think that all that she can say is that she performed poorly on these tests. She can't say what the etiology is. That's not revealed by these scores. These scores are nonspecific for etiology.

Q Do you believe that the scores are valid?

A I don't believe she did a validity test, actually, that I recall. I think they're certainly inconsistent with other aspects of her evaluation.

Q You mean the evaluation that **you** did?

A Correct. Of course, mine was after this one. Maybe she had improved by then.

For instance, if we look at the "Auditory Immediate" memory, she's "Extremely Low" in this test that she took in 19 -- when was it? -- '99.

And her immediate auditory memory was 5 out of 5 with one try. So 100 percent.

Immediate visual memory also "Extremely Low," immediate visual memory in '99.

1                   5 out of 5 with two tries. **So** not quite  
2                   as good.

3       Q       Well, you did --

4       A       And so on and so on.

5       Q       Your testing of 'immediate visual memory was a  
6               5-out-of-5 test, right?

7       A       Correct,, In the office.

8       Q       An office exam, as compared to this much more  
9               extensive exam that was done here, correct?

10      A       No. Extensive doesn't make it better. It  
11              depends on how the patient is trying to perform.

12      Q       Do you know --

13      A       This doesn't -- you know, her scores are too low  
14              to make any sense. Look at her -- you know, she  
15              walks in, she has a normal vocabulary, she uses  
16              big words.

17                    You look at her descriptions of her **own**  
18                    progress and her occupational therapy. She's  
19                    using words like "eligibilities" correctly.  
20                    She's interacting in a normal way.

21                    And how can she have a seriously impaired  
22                    vocabulary when she's speaking so fluently?

23      Q       I guess that would be something that a  
24              neuropsychologist would have to answer, don't *you*  
25              think?

1 | A They could answer that. But I think that --

3 | A I would not agree to that.

6       A       It's my specialty to the extent that I do a lot  
7       of evaluations of people with neurocognitive  
8       problems and seizures, and I have to make  
9       judgments on those evaluations before taking a  
10      person to surgery. So we have to understand very  
11      critically if problems are real or not, if those  
12      problems are going to get worse with surgery or  
13      not.

A But I don't refer them to a neuropsychologist and take their report as the Bible. The neuropsychologist and I discuss it in light of the exam, the MRI, the EEG, the social factors, et cetera, et cetera. You know, you can't take these documents as an isolated piece of work.

24 | Do you agree with that?



1 Q Well, this is a legal case.

2 A Well, I'm not a lawyer. Sorry. I don't think  
3 I'll comment on that.

4 Q Do you think that Veronica is capable of  
5 employment?

6 A I wouldn't want to comment on that.

7 Q Okay. You have no opinion one way or the other?

8 A I think she may be. I think she may not be.

9 Q Okay.

10 A I'm not -- it depends on her state at the time.

11 Q Okay. Well, I just want to make sure. If you're  
12 going to not, if you don't have an opinion about  
13 it, that's fine. Do you?

14 A She's certainly not disabled from a neurologic  
15 point of view. Whether she's emotionally or  
16 mentally disabled, I'm not -- I wouldn't want to  
17 comment on.

18 Q Are you familiar with something called a  
19 Mini-Mental State Exam, MMSE?

20 A It's a screen for dementias.

21 Q Do you use that test?

22 A Sometimes. Usually I do more testing than **is** on  
23 that screen, so I don't typically use it. It's  
24 specifically useful to follow people with  
25 dementia due to Alzheimer's or microvascular

1 dementias to watch, to observe their progression.

2 Q Let me ask you about Alzheimer's.

3 Do you do any work with Alzheimer's  
4 patients?

5 A Not a lot. I believe you asked me about my  
6 practice the last time.

7 Q Yes. I didn't remember you saying specifically  
8 anything about it, but I thought you might have  
9 done some work with it.

10 Really my question is, in the early stages  
11 of Alzheimer's, is it true that MRIs and CAT  
12 scans of patients can be entirely normal?

13 A Well, CT is an insensitive test, so I wouldn't  
14 use that to judge anything.

15 Q So CT you wouldn't use to judge anything in this  
16 case or any other case?

17 A I wouldn't, no. It's too insensitive.

18 Q Okay.

19 A It's mainly useful to show bleeds.

20 Q Right. It's not really sensitive --

21 A No, it's not.

22 Q -- for the brain insults, correct?

23 A It shows gross insults. But if you're looking  
24 for a sensitive test, it's not your first choice.

25 Q Well, MRIs as well, in early-stage Alzheimer's

1 patients, can be entirely normal, correct?

2 A They can show atrophy consistent with age.

3 That's frequently how they're read as normal.

4 Q Right. Well --

5 A Because people can have atrophy but not

6 particularly show signs of Alzheimer's. So the

7 norm includes significant atrophy.

8 Q So if you're a certain age group, you're expected

9 to have a certain amount of atrophy, and

10 otherwise --

11 A And some people don't, so --

12 Q Some people don't.

13 But getting back to my question, then, in  
14 the early-stage Alzheimer's, frequently MRIs are  
15 read as normal, correct?

16 A I don't know the percentage point, but I wouldn't  
17 argue with that.

18 Q You had recommended a Beck depression test of  
19 some sort?

20 A Depression inventory, yes. I don't --

21 Q What is that?

22 A I don't think I had seen these other evaluations  
23 at the time.

24 It's a screen for depression.

25 Q Why did you recommend that?

1       A       It's just one that we typically use. But there  
2       are others, I'm sure, that are useful as well. I  
3       don't know all of the depression screens. I  
4       should have maybe just said "a depression screen"  
5       or "some depression screens" rather than give a  
6       specific name.

7       Q       Well, why did you recommend any depression  
8       screen?

9       A       Because she appeared to have a history of  
10      depression, and depression can significantly  
11      impair cognitive function. In effect, there's an  
12      etiology called pseudodementia, which is  
13      indistinguishable from dementia except that their  
14      EEG is normal. So you treat them for depression,  
15      and you can cure their dementia.

16     Q       So you were thinking maybe the source of her  
17      cognitive difficulties was depression?

18     A       Yes.

19     Q       And you wanted a --

20     A       I was thinking that could be a contributing  
21      factor.

22     Q       And you wanted to have a test done to see how she  
23      scored on that, correct?

24     A       Correct.

25     Q       And, in fact, you did want know that she had

1 already had such a test, correct?

2 A Correct.

3 Q And, in fact, she scored on that test in such a  
4 fashion that you wouldn't expect depression to be  
5 having any significant effect on her cognitive  
6 function, correct?

7 A I don't know. Where is that at?

8 MR. HENTEMANN: Are you  
9 referring to Felker's report?

10 A Is it Felker or is it somebody else?

11 Q Well, I think it's been performed a couple times.  
12 But --

13 A Well, I think there's been more than one  
14 performance. I'm not sure what you're referring  
15 to. Affect, mood --

16 Q Well, do you know how she scored on --

17 A Her, Dr. Felker's, statement was that she showed  
18 some depressive symptomatology. I'm not seeing a  
19 score here.

20 Q Did Dr. Naugle do --

21 A Let me see if I have his.

22 Q Page 4 of his report.

23 A Oh, it's in the -- can I see it? Is it in the  
24 exhibits?

25 Q No. Page 4 of Dr. Naugle's report.

1 A Oh, I'm trying to find it. I thought it might be  
2 in the exhibits.

3 Q Do you want to just look at this page?

4 A Yes, I appreciate it. Thanks.

5 Q Save ourselves some time. It's the second full  
6 paragraph.

7 A Right. I see it.

8 Q It says, "The Beck Depression Inventory did not  
9 suggest significant emotional distress at this  
10 time," correct?

11 A I see that, yes.

12 Q So that's what I was indicating before, --

13 A Okay.

14 Q -- that depression would not account for the type  
15 of cognitive scoring that she did for Dr. Felker?

16 A It doesn't appear that it would, no. She didn't  
17 seem clinically depressed to me, but that's  
18 always something you have to be cognizant of.

19 Q Dr. Naugle also ran the same Wechsler  
20 Intelligence Test?

21 A Correct.

22 Q And again, I can give it to you.

23 A I have it. It's in here.

24 Q (Handing.)

25 A Oh, it's probably in here.

1 Q One, two, three, four, five, fifth paragraph.

2 A Yes, I see that.

3 MR. HENTEMANN: Which page of  
4 Naugle?

5 MR. LANSDOWNE: 3.

6 THE WITNESS: That's 3.

7 A Yes, I said I saw it.

8 Q Okay. She again scored lower on her performance  
9 IQ than her verbal IQ, correct?

10 A True.

11 Q So that would be consistent with what Dr. Felker  
12 found, correct?

13 A True.

14 Q And in fact she got the same exact full-scale IQ  
15 of 74 as Dr. Felker got, correct?

16 A Correct.

17 Q Now, again, do you think she's -- what term do  
18 you want to use now? -- malingering or  
19 manipulating this Wechsler Adult Intelligence  
20 Scale test?

21 A I don't think she set out to get the exact same  
22 score in each test, no.

23 Q Do you think she's malingering and manipulating  
24 the Wechsler Adult Intelligence Scale test that  
25 was given by Dr. Naugle and by Dr. Felker?

1       A       I think that it's likely that when she knows  
2               she's being tested for cognitive functions, she  
3               performs below her abilities.

4       Q       So that's a yes for both of those?

5       A       Yes.

6       Q       Okay. Purposely performs below --

7       A       I said before I wouldn't want to ascribe motive.

8       Q       Okay. Purposely, or because of some emotional  
9               deficit, scores poorly, right?

10      A       Well, I don't know about the term "deficit," but  
11              people --

12      Q       Well, I don't know what else to say --

13      A       People perform poorly sometimes, as I said  
14              before. Sometimes they absolutely know that  
15              they're doing it and they just do it for a  
16              specific set gain.

17                      But other times -- most times it's not  
18              that easy to establish why somebody acts the way  
19              they do. Why does somebody take drugs when they  
20              know it's bad for them?

21      Q       Well, in any event, she ends up scoring exactly  
22              the same on the full-scale IQ for Dr. Naugle as  
23              for Dr. Felker, and those tests were performed  
24              more than a year apart, right?

25      A       Correct.



1 Q So if she was manipulating that test, that would  
2 be quite a remarkable achievement, to be able to  
3 manipulate the exact same full-scale IQ, two  
4 tests, more than a year apart; wouldn't you  
5 agree?

6 A I don't know that.

7 Q You're not familiar enough with the test to know  
8 that?

9 A Well, the test consists of many subtests. I  
10 think it would be remarkable if she got the same  
11 score on every subtest. But to come up with the  
12 same average is probably statistically not as  
13 difficult as the other problem.

14 Q But you're just not sure?

15 A I'm not sure.

16 Q Okay.

17 A The scores are plus minus 5 points anyway, in  
18 accuracy.

19 Q That would be more -- you would expect a  
20 neuropsychologist would have more information  
21 about whether that would be a --

22 A Hopefully.

23 Q -- significant finding? Hopefully? Okay.

24 Let me ask if you agree with this from Dr.  
25 Naugle's report.

1 MR. HENTEMANN: What page?

2 MR. LANSDOWNE: The last page, 5.

3 Q This is getting into his summary of his  
4 conclusions here.

5 And you have had a chance to read the  
6 whole report, right?

7 A Yes, I've read it.

8 Q And he's referring to the test results he got.  
9 And he says, "Such a neuropsychological profile  
10 is typically indicative of generalized cerebral  
11 dysfunction and would be consistent with the type  
12 of compromise resulting from extensive CO  
13 exposure."

14 Do you agree with that?

15 A Yes', it could be consistent with extensive CO  
16 exposure.

17 Q Okay.

18 A That's different than saying, "This is clearly  
19 due to carbon monoxide."

20 Q I understand.

21 A It's just saying it's consistent with it.

22 Q "The neuropsychological profile would be  
23 consistent with this type of compromise."

24 Okay. You agree with that?

25 A I just did.

1 Q Second sentence: "If her test performance were  
2 presumed to be a valid indication of her ability,  
3 the fact that there is no other known event or  
4 illness before or since her CO exposure that  
5 would account for the severity and extent of her  
6 compromise would suggest that her CO exposure was  
7 responsible for her cognitive decline."

8 Do you agree with that?

9 A Yes. If it were presumed to be valid and if she  
10 had no other risk factors, is basically what he's  
11 saying.

12 Q He says the fact that there is no other known  
13 event or illness before or since her CO exposure,  
14 that would account for the severity and extent of  
15 her compromise?

16 A If her performance is presumed to be valid, yes.

17 Q So you would agree that if the test that Dr.  
18 Naugle performed, Dr. Felker performed, and Dr.  
19 Layton performed were valid, then that would  
20 suggest that her CO exposure was responsible for  
21 her cognitive decline?

22 A There's a lot of ifs there. It's just too much  
23 of a strung-on sentence. If you can break it  
24 down, you know, into individual components.

25 Q All right. Well, if Dr. Naugle's tests are a

1           valid indication of her ability, you would agree  
2           that her CO -- it would suggest that her CO  
3           exposure was responsible for her cognitive  
4           decline?

5       A       That would be suggestive, yes.

6       Q       And you would agree that if her performances on  
7           the tests performed by Dr. Layton were a valid  
8           indication of her ability, that would also  
9           suggest that her CO exposure was responsible for  
10          her cognitive decline?

11      A       It could suggest that.

12      Q       Okay. And you would agree that if Dr. Felker's  
13           test performances were a valid indication of her  
14           ability, that would also suggest that her CO  
15           exposure was responsible for her cognitive  
16           decline?

17      A       Yes, that could be a suggestion.

18      Q       With the cognitive impairments that you  
19           identified, could Veronica work as a sleep  
20           technician? Do you think she could organize and  
21           run her own business with the cognitive  
22           impairments that you found?

23      A       Yes. But I didn't specifically test business  
24           organizational skills. So just within the limits  
25           of what I tested is how I understand the

1 question.

2 Q I'm just asking based upon the impairments that  
3 you found, that's all, because that's all I can  
4 ask you about.

5 A Right. She had 'minor impairments, so I'm sure  
6 she could be a tech. Maybe she could run a  
7 business. I'm not as sure about that.

8 Q Why aren't you as sure about that?

9 A Well, because that involves a lot of other  
10 skills. Being a tech is, basically you're taught  
11 to do a certain type of testing, usually not a  
12 whole lot of different types of testing. And you  
13 do that repeatedly, and you can get to be a very  
14 good performer at that.

15 Running a business involves a lot of  
16 flexibility. And I don't know if she has that or  
17 not.

18 Q Because you didn't test for it?

19 A No. No, I think Dr. McPherson noted that she  
20 was not flexible but -- actually, I think what  
21 you just showed me said that she was not  
22 flexible. But whether that relates to business  
23 skills or not, I'm not sure.

24 Q The thing I just showed you, you mean her --

25 A Her evaluation.

1 Q -- her evaluation?

2 A Right. Dr. Redline, which is a different kind of  
3 a function.

4 Q I have to ask you about this, because it's in  
5 your report. You note a discrepancy or some kind  
6 of finding with the left labial fold?

7 A This is the labial fold. It was a little bit  
8 flatter on one side than the other.

9 Q On the left side?

10 A Yes.

11 Q What's the significance of that?

12 A Most neurologists would say it doesn't have any  
13 significance, because a lot of us have an  
14 asymmetric face. It's one part of the test we do  
15 to put together with the whole rest of the  
16 examination.

17 Q Well, I mean you noted it in your report. That's  
18 why I'm asking you about it.

19 A Yes. I always note that.

20 Q So the reason that you look for it is that --

21 A It could be a subtle sign of some facial  
22 weakness. But then when I tested her strength in  
23 her face, she didn't have weakness. But it's  
24 something we report on exam.

25 Q Because it can indicate --

- 1       A       What I just said.
- 2       Q       -- some kind of damage to the nerves or to the
- 3       brain?
- 4       A       It could represent a small -- yes, like a tiny
- 5       stroke or birth injury or something like that.
- 6       Q       Or brain damage from a toxic substance?
- 7       A       Not typically focal, no.
- 8       Q       You can have focal deficits from toxic
- 9       substances?
- 10      A       If you have a secondary event, like a bleed or a
- 11      stroke.
- 12      Q       Not unless that --
- 13      A       Correct.
- 14      Q       Never?
- 15      A       Correct. You don't have to necessarily see it on
- 16      an MRI. But if you have a focal finding, you
- 17      have a focal lesion. That's the essence of the
- 18      neurologic exam.
- 19      Q       Okay. And you can have a focal deficit and a
- 20      focal finding and not see it on MRI?
- 21      A       Correct.
- 22      Q       Okay.
- 23      A       The exam is more sensitive than the MRI.
- 24      Q       And a left labial fold discrepancy could be an
- 25      example of a focal deficit?

1 A It could be.

2 Q Okay. You say in your report, page 7 of 8, "I  
3 recognize that some of her deficits were in the  
4 area of more complex operations..."?

5 A Yes, we discussed that before. I was quoting Dr.  
6 Layton's evaluation, I believe, wasn't I, at the  
7 time?

8 Q Well, you quoted Dr. -- you said it was Dr.  
9 McPherson.

10 A Okay. Dr. McPherson, then, but yes.

11 Q I think we established Dr. McPherson did not do a  
12 neuropsychological exam?

13 A Because she was earlier, no.

14 Q So this is another error in your report?

15 A It's one error in my report.

16 Q Well, we've seen some other ones.

17 So people do makes errors?

18 A Typographical errors.

19 Q So even waitresses at Charlie's Crab make errors?

20 MR. HENTEMANN: And even  
21 lawyers, too.

22 Q Even lawyers.

23 You did not test for complex operations,  
24 correct?

25 A Well, I think we went over this before. Do we



1 want to go over it again? I can be here until --

2 Q Did you test for --

3 A Off the record.

4 I can be here until about 3:30. I have a  
5 patient to admit here today.

6 Q Okay. Go ahead. I'm just asking one question.  
7 Did you test for complex operations?

8 A Certainly.

9 MR. HENTEMANN: I'm going to  
10 object. It was asked and answered.

11 A We did answer it before.

12 THE WITNESS: Off the record.

13 (Discussion held off the record.)

14 BY MR. LANSLOWNE:

15 Q Your answer was that you thought you had tested  
16 for some?

17 A I said there's a whole realm of complex  
18 operations. Some of what I did would fall in the  
19 more complex arena, others wouldn't.

20 Q Okay.

21 A I mean that's not the same as some other  
22 evaluations. Like paragraph recall I  
23 specifically mentioned, which I didn't test.

24 Q All right.

25 A I think that's one of the things I was referring

1 to. She had been shown deficient in paragraph  
2 recall by probably Dr. Layton.

3 Q Okay. You found some end gaze nystagmus?

4 A Yes.

5 Q What is the significance of that?

6 A AED levels, the levels of her carbamazepine and  
7 Neurontin.

8 Q Pardon me?

9 A That would reflect the blood levels of her  
10 carbamazepine and Neurontin.

11 Q Oh.

12 A Specifically the carbamazepine.

13 Q The medications that she's on?

14 A Correct.

15 Q Let me ask you about that.

16 She is on antiseizure medication --

17 A Correct.

18 Q -- prescribed by Dr. Mars, correct?

19 A Correct.

20 Q Is Dr. Mars giving her medication that she  
21 doesn't need?

22 A I'm certainly not going to answer that.

23 Q Okay.

24 A I believe I specified the evaluation that I would  
25 have recommended already.

1 Q Yes. You said you would have recommended a --

2 A Video EEG in the hospital, off medications.

3 Q Okay. And you would be looking for what?

4 A Seizure focus.

5 Q And she might have that? You might find that?

6 A If she did not have it after being off AEVS's and  
7 sleep deprived for over a week, the probability  
8 of her having a focus would be less than 1  
9 percent.

10 Q If it didn't show up on --

11 A Correct.

12 Q If you didn't have a finding on the video EEG,  
13 correct?

14 A Correct.

15 Q But I mean let's assume she had the test -- this  
16 is an evaluation that you would recommend for  
17 her?

18 A Correct.

19 Q And what you'd be looking for **is** some evidence of  
20 seizure activity?

21 A Correct.

22 Q And if you found that, how would that change your  
23 opinions in this case?

24 A If I found that, I would leave her on medication.

25 Q How would it change your opinions in this case?

1 A Then I would think that she had seizures, and  
2 that was not one of the areas of contention.

3 Q What do you mean, it was not one of the areas of  
4 contention?

5 A I wouldn't be doubting that she had seizures.

6 Q Oh.

7 A I'd still be doubting her exam.

8 Q Okay. So if this video EEG or a PET scan showed  
9 evidence of some focal --

10 A Abnormality.

11 Q -- abnormality, you would then just realize that,  
12 yes, she does have seizures, but it wouldn't  
13 change your opinion as to her neurologic  
14 deficits?

15 A The deficits on her exam, no.

16 Q Okay. And as to the cause of the seizures?

17 A Well, I don't think we would know the cause of  
18 the seizures.

19 Q Okay. You wouldn't know one way or the other  
20 what was the cause of the seizures? You wouldn't  
21 have an opinion about it?

22 A Well, I think I stated my opinion would be it  
23 would be more likely to be a focal seizure from a  
24 perinatal injury than from carbon monoxide  
25 poisoning, and which, if they have seizures,

1           they're -- typically, 'generalized focal seizures  
2           are rare.

3       Q       That's your opinion as it relates to carbon  
4           monoxide?

5       A       Correct. Or any toxin. Toxins produce  
6           generalized insults. The whole brain is affected  
7           at the same time.

8       Q       And you said the basal ganglia is the most common  
9           place to be affected?

10      A       Well, that's one of the most common. It affects  
11           the cerebral cortex, too.

12      Q       With carbon monoxide?

13      A       Correct. That's what we're talking about.

14      Q       Can you cite me to any literature that says the  
15           basal ganglia is a common source of damage from  
16           carbon monoxide?

17      A       I think if you look through the literature on  
18           carbon monoxide, you'll see a lot of reports of  
19           neuroimaging shows basal ganglia damage. In  
20           terms of one unique reference, no. There's a lot  
21           of them.

22      Q       You think that because you've read it or just  
23           think that?

24      A       Well, I was taught that. I trained at Columbia  
25           Presbyterian, which involved training at Harlem

1 Hospital, where there were a lot of cases of  
2 carbon monoxide poisoning. And, yes, we were  
3 taught that this is a diffuse process that  
4 typically will involve the basal ganglia.

5 Q And that's --

6 A And the cases that I said I followed myself  
7 indeed did have that disorder.

8 Actually, too -- you said I could add to  
9 my testimony at a later point.

10 Q Sure.

11 A I remembered I do have other exposure, other work  
12 with, experience with carbon monoxide poisoning  
13 from working in the respiratory intensive care  
14 unit at UCLA. All the firemen that had a PCO2 of  
15 a certain level, I think it wa's probably like  
16 above 25 -- I mean a carboxyhemoglobin level --  
17 were admitted to the respiratory intensive care  
18 unit.

19 So when I was working there, I saw quite a  
20 few of them coming in. They'd get their nasal O2  
21 and they'd go out and go back to the fire.

22 Q What was your involvement?

23 A I was working as a medical resident in the  
24 pulmonary intensive care unit.

25 Q For what period of time?

1       A       A couple months. I think one of the months there  
2               there were a lot of those California brush fires,  
3               so we had a lot of them coming in.

4       Q       That did not involve neuroimaging of these people  
5               who had been exposed?

6       A       Sometimes it may have. But these people were --  
7               they came in, basically they're neurologically  
8               intact, and they're treated until their levels  
9               are okay, and then they go home or they **go** back  
10              to the fire.

11      Q       They're not people who were found unconscious  
12              from carbon monoxide poisoning?

13      A       Well, some would have been unconscious, but most  
14              of them probably were not. They'd just come in  
15              and get tested after a significant smoke  
16              inhalation and exposure.

17      Q       What were their levels, did you say?

18      A       I think they had to be about 25 to be brought in.  
19              You know, I'd have to check back. It's **a** long  
20              time ago to remember the exact levels.

21      Q       Levels as high as 40?

22      A       Yeah, sure. Higher.

23      Q       As high as 40, these firemen?

24                      MR. HENTEMANN:              Did you say  
25              "higher"?

1 A I think higher.

2 Q And they'd come in perfectly normal,  
3 neurologically intact, and you'd give them some  
4 oxygen and send them back to the fire?

5 A Correct. They'd usually stay about 24 hours' I  
6 guess. A little longer than she stayed in the  
7 hospital.

8 Q Did you do any follow-up work with these people?

9 A No. I'm sure they followed up with the  
10 pulmonologist.

11 Q So you don't know?

12 A As I said, I was working as a resident.

13 Q So you don't know what their neuropsychological  
14 result was?

15 A Well, I know they were good enough -- they felt  
16 themselves they were good enough to go back to  
17 work, so I think that was their choice.

18 Q You don't know ultimately what their  
19 neuropsychological deficits might have been?

20 A No. But I'm sure there's a lot of literature on  
21 firemen.

22 Q Okay. Have you read any of it?

23 A No. Have you?

24 Q Yes.

25 So what are we talking about? You saw



1 two, three fireman?

2 A Well, you asked what my experience was.

3 Q I understand. I'm just following up.

4 A I told I told you my experience with two cases  
5 that were neurologically impaired. Then I  
6 remembered over the weekend, we saw quite a few  
7 firemen coming into the pulmonary ICU.

8 Q You can't remember how many and you can't really  
9 remember the levels that they had?

10 A Well, they wouldn't be admitted for, you know, a  
11 level that was not significant to an ICU setting.

12 Q I know, Doctor. But --

13 A And there were about six of them. Probably about  
14 half a dozen.

15 Q If you're going to testify that this somehow  
16 qualifies you to give --

17 A No, I didn't say it qualified me as an expert.  
18 You asked what my experience was. I was telling  
19 you what it was.

20 Q I know. And I'm just following up on it.

21 And all I'm asking is, currently what the  
22 levels were. And, you know, this is a long time  
23 ago. Can you remember what the levels were?

24 A I reported to you that they would not be admitted  
25 to an ICU if they did not have significant

1 levels.

2 Q Give me a number.

3 A That's obvious.

4 Q Give me a number.

5 A I said probably over 25.

6 Q Do you remember or are you guessing?

7 A I'm guessing.

8 Q Okay.

9 A I guarantee you the third-party payers don't  
10 guess. They wouldn't be in an ICU unless their  
11 levels were higher.

12 Q I'm sure. Here is Exhibit 7.

13 A Okay. What is this?

14 Q This is a description of a "Research  
15 Sleep/Technician, Technician II."

16 It's actually a requisition for the  
17 position, but it describes what the position  
18 entails?

19 A Yes.

20 Q Have you ever seen that before?

21 A No.

22 Q This is the job that Veronica Ferrette held?

23 A Was this at the VA?

24 Q Actually, it was when she moved from the VA --  
25 well in part.

1 MR. HENTEMANN: I'm going to  
2 object to the questioning on that document  
3 without any proper foundation.

4 Go ahead.

5 Q Do you think, given this brief job description,  
6 that Veronica Ferrette could perform those  
7 functions today?

8 A I wouldn't want to comment on that.

9 Q Can I see your file there, Doctor?

10 A Sure. (Handing.)

11 Q These notes, did you make all these over the  
12 weekend or --

13 A Yes.

14 Q Okay. This "Toxic Smoke Compounds and Inhalation  
15 Injury, A Review," that's the only article that  
16 you have in your file here?

17 A Correct.

18 Q And what did you get this for?

19 A When I heard I was going to see a case of carbon  
20 monoxide poisoning, I just looked for a general  
21 review article. Actually, I was hoping for more  
22 of a neurologic review article, but I didn't find  
23 one.

24 Q Let me just make sure I understand your role  
25 here, Doctor.

1                   You're scheduled to testify on videotape,  
2                   what, next week?

3                   MR. HENTEMANN:               Boy, I don't  
4                   know.

5                   THE WITNESS:                .I'm not sure  
6                   what the date is.

7                   MR. HENTEMANN:               We were working  
8                   on that this morning. The 20-something.

9       Q           You're going to do a videotape deposition, I  
10                  understand?

11      A           That's what I understand, yes.

12      Q           And your essential opinion will be that **Ms.**  
13                  Ferrette does not have a neurologic impairment,  
14                  correct?

15      A           Correct.

16      Q           And that she may have some slight cognitive  
17                  impairments, correct?

18      A           Correct.

19      Q           And to the extent she does have these cognitive  
20                  impairments, they were probably caused by the  
21                  perinatal issues we talked about before, right?

22      A           I think I would say there's no way of knowing  
23                  whether they were present beforehand.

24      Q           Okay. You're just going to say that -- well, is  
25                  it possible they were caused by the carbon

1           monoxide poisoning?

2       A       It's possible.

3       Q       Okay. And it's possible they were there before?

4       A       Yes.

5       Q       And the two are just equally as possible?

6       A       Yes, I believe so.

7       Q       And then any other opinion that you're going to  
8       offer in this case?

9       A       Regarding the seizures?

10      Q       Oh, the seizures. Seizures, you're going to say  
11      that -- your opinion is going to be that she  
12      probably has pseudoseizures?

13      A       That's a term we often use. It's kind of being  
14      replaced by "nonepileptiform seizures." But  
15      either term.

16      Q       Yes. Can you tell me what that means, that  
17      "nonepileptic"?

18      A       Yes. That means that people have behavioral  
19      manifestations that appear similar to seizures,  
20      but there's no abnormal electrical activity in  
21      the brain.

22      Q       And you think that the seizures that Veronica is  
23      having are caused by what, her emotional  
24      problems?

25      A       I think it's likely to be caused by her stress

1 over this whole situation, her desire to have her  
2 needs attended to, and to get attention for  
3 whatever problem she sees in herself.

4 Q Stress, desire to have needs attended to. And  
5 what was the third one? I'm sorry.

6 A I think that was essentially it.

7 Q Okay. So an emotional or psychiatric condition?

8 A Psychological, yes.

9 Q Did you suggest that Veronica be evaluated by a  
10 psychiatrist or a psychologist?

11 A I suggested the neuropsych testing.

12 Q Oh, okay.

13 A And I knew that she was seeing a psychologist  
14 already.

15 Q Okay. What else? Is there another opinion, or  
16 is that it?

17 A That's pretty much it.

18 MR. LANSLOWNE: Let me take a  
19 minute.

20 (Recess taken.)

21 BY MR. LANSLOWNE:

22 Q Doctor, I'm going to ask you to read a couple  
23 things, if you would, from your notes.

24 A Yes. That's why I usually dictate them.

25 Q Yes. What is that?

1 A Yes. That was when she was admitted. I went  
2 over the admission note. That's her ABG,  
3 arterial blood gas --

4 Q Oh, okay.

5 A -- at 3:35 in the morning. That's what that was.  
6 It looked like an O.

7 Q What's this "3 hours" here?

8 A Well, I was still trying to figure out whether  
9 she had the hyperbaric oxygen or not. I didn't  
10 see a report in the medical records, and I'm just  
11 curious.

12 I don't know that it changes the whole  
13 picture any, except that somebody mentioned she  
14 had it. I didn't find a report of it from the  
15 hospital. But on this one, oxygen, her PO2 was  
16 364, which is really high. So I mean maybe she  
17 had it. I don't know.

18 Q PO2 of 364 would show significant anoxia?

19 A No, no, no. That's really high. That's much  
20 higher than normal.

21 Q Oh, you mean -- I'm sorry. I'm thinking .3.

22 A 364, yes.

23 Q So that would indicate that she had been --

24 A Possibly she did have the hyperbaric oxygen.

25 Q Right. Because that would raise her oxygen?

1 A I don't know how high you can get up with a nasal  
2 cannula. You'd have to ask a pulmonologist.

3 Q You did look at Dr. McPherson's material?

4 A Yes. It's in there'.

5 Q And my reading of that was that Dr. McPherson, at  
6 the end of her -- she did two evaluations.

7 Is that what you understood?

8 A Yes, I believe I remember that.

9 Q And at the end of the second one, she had  
10 indicated that she didn't expect Veronica would  
11 need any further treatment?

12 A Yes, she thought she was over her acute problem.

13 Q I have it in here.

14 A That's my recollection.

15 Q My copy didn't come out that well.

16 A Here it is.

17 Q Do you have it? would you turn to the last page  
18 of her report.

19 A The second report --

20 Q Yes.

21 A -- or this big, long one?

22 Q The second report.

23 A Yes, this is 12-22. January 7, is that the  
24 second one?

25 Q 1-7-95, yes.



1 A Okay. Which page did you want, second page?

2 Q Last page.

3 A Oh, last page.

4 Q 6.

5 A Yes.

6 Q It indicates there in that first paragraph, "It  
7 would be expected that the residual  
8 symptomatology currently in evidence would itself  
9 remit as a function of completely ending her need  
10 to deal with aspects of this situation."

11 Do you see that?

12 MR. HENTEMANN: I'm going to  
13 note an objection to this interrogation about  
14 this report.

15 A It doesn't sound like what you said. "Adjustment  
16 disorder of anxiety"? Is that where you are?

17 Q The next sentence.

18 A Oh, okay. Yes.

19 Q "It would..."

20 A Yes.

21 Q Would that indicate to you that Dr. McPherson is  
22 saying that she expects Veronica to be fully  
23 functioning, and any problems with whatever the  
24 previous situation was would not cause her any  
25 further difficulties?

1 MR. HENTEMANN: Objection. I  
2 mean --

3 A Speculating on what Dr. McPherson thinks?

4 MR. HENTEMANN: Yes, you're  
5 asking her --

6 Q Well, let me just ask this --

7 A She states that in this paragraph, and in the  
8 next paragraph she says something else. So --

9 Q Does Dr. McPherson's report play any role in your  
10 opinions in this case?

11 A Well, I made my opinion of the exam results  
12 before reading it. Subsequently it played a  
13 small role in that she had had some situation in  
14 which she became completely distraught over some  
15 altercation and sought legal attention for that  
16 and tested very poorly at that time in terms of  
17 her emotional, psychological aspects, but when it  
18 was over, recovered.

19 She said, "I would not be expected" -- "It  
20 would not be expected that Ms. Ferrette would  
21 need any further psychotherapy or mental health  
22 assistance unless under conditions of prolonged  
23 legal involvement."

24 So she's not saying she's completely out  
25 of the woods, she's just saying as long as

1           there's no other similar stress.

2       Q       Do you know what Veronica was doing at this time,  
3               where she was working?

4       A       No. I would have to check on that. I don't  
5               remember exactly where she was working, if she  
6               was in school in '93.

7                       MR. HENTEMANN:           Don't guess.

8       A       I won't guess. Dr. McPherson probably says that  
9               somewhere in her report.

10      Q       Well, if she was working all throughout this  
11              period as a sleep technician, would that indicate  
12              that she was able to cope with whatever stress  
13              that was?

14      A       I'm not going to comment. You know, we're just  
15              reading Dr. McPherson's statement.

16      Q       Well, to the statistician you say this forms part  
17              of the basis of your opinion. I have to ask you  
18              about it.

19      A       Well, you can look at Dr. McPherson's report.

20      Q       All right.

21      A       She clearly was performing very poorly at the  
22              first evaluation. And as you yourself just  
23              quoted, she then seemed to get better.

24      Q       And when you say "performing poorly," that was  
25              not on a cognitive level, it was on --

1 A No. I mentioned it was on an  
2 emotional-psychological level.

3 Q She tested high on anxiety, fear, paranoia?

4 A Among other things, yes.

5 Q Do you know anything about the assault or  
6 anything that led to this?

7 A Just what was in these notes.

8 Q Okay.

9 A Actually, I think she had a deposition in there  
10 that I looked through. That was probably the  
11 main description of it that I saw.

12 Q A deposition?

13 A I think she had a deposition.

14 MR. HENTEMANN: Who?

15 Q Veronica.

16 A Veronica. I think she had a deposition.

17 Q That would have been the deposition that's in  
18 here.

19 MR. HENTEMANN: That's in her  
20 records.

21 Q That would be the deposition from this case  
22 correct?

23 A Oh, she didn't have a deposition on the first  
24 case?

25 Q If she did, we don't have it in these records in

1 front of you.

2 MR. HENTEMANN: No.

3 A Okay. Then it was just from the doctor's notes.

4 Q Let me see your notes again.

5 A Go ahead. That's one note on the yellow sheet, if  
6 you want to ask about that, actually in the same  
7 article there.

8 Q Yes.

9 A You had asked me before, if she had been removed  
10 from the carbon monoxide, wouldn't I have  
11 expected the level to go down.

12 Q Right.

13 A The half-life for carboxyhemoglobin decreasing in  
14 the blood is on the order of five hours at room  
15 air.

16 So I would amend my answer to say, no, I  
17 wouldn't have expected it to have dropped  
18 significantly in the 10 to 15 minutes it took the  
19 EMS to get there.

20 Q That's on room air?

21 A Room air, right, which she was on.

22 Q She was on oxygen?

23 A She was on room air before the EMS got there. I  
24 thought that was the question.

25 Q The question was, between the time that she was

1 removed from the room and the time that the blood  
2 was drawn, she had had oxygen prior to her blood  
3 being drawn.

4 A I thought you were asking by the time EMS got  
5 there.

6 Q No. So do you want to unamend your answer?

7 A On 100 percent O2, it's about one and a half  
8 hours half-life, which means half would be gone  
9 in one and a half to two hours.

10 That's in that article there, if you want  
11 to check that.

12 Q Okay. Well, in any event, I guess the question  
13 is, would you expect that her actual level was  
14 higher than what they got when they did the blood  
15 draw?

16 A Yes. And I think I answered before, I would  
17 expect it to be higher with -- I don't know that  
18 it would be significantly higher, because it kind  
19 of depends on how quickly the blood was drawn.

20 MR. LANSDOWNE: Where is that  
21 letter?

22 MR. HENTEMANN: The article?

23 MR. LANSDOWNE: No. The letter.

24 A The letter? It's either in "Miscellaneous" or  
25 "Communications," if there's a "Communication"

1 section. Otherwise it's in "Miscellaneous."

2 Q There's a "Correspondence" section.

3 A "Correspondence." It should be in there.

4 Q That doesn't have it.

5 A All right. Then "Miscellaneous."

6 Q Here it is.

7 Is this your handwriting on this letter  
8 from Mr. Hentemann's office?

9 A Yes.

10 Q What does that say, your writing?

11 A "What did call say," question mark. "Seizure,"  
12 question mark. "Mars said saw patient at Meridia  
13 ER, no note."

14 Q What is the seizure question?

15 A I wondered if the EMS witnessed a seizure. There  
16 was no indication that they had. So that's what  
17 I was asking, if there were any other notes that  
18 I was missing.

19 Q Okay. And did you receive information about what  
20 the boyfriend had witnessed in terms of seizures?

21 A No, I have not seen that. If that was a  
22 deposition or whatever, I haven't been given that  
23 information.

24 Q Would that be significant, if the boyfriend told  
25 you that at the scene he was awakened by her

1           seizing?

2                           MR. HENTEMANN:           Wait a second.

3           By her what?

4                           MR. LANSDOWNE:           Seizing.

5    A       If it could be established that she was in fact  
6           having a convulsion. I think you asked **me** that  
7           question before.

8    Q       And that would indicate?

9    A       It would indicate a certain result of the  
10           toxicity.

11   Q       And that would, of course, **as** you said, put you  
12           at higher risk for seizures, once you've had a  
13           seizure?

14   A       I don't know that that's the case.

15   Q       Didn't you say that last week, that if you have  
16           seizure, you have high --

17   A       It could it could, yes. There are a lot of  
18           instances of acute seizures that don't predispose  
19           to later seizures in an arena of metabolic  
20           imbalance or even acute head trauma. So it may,  
21           but it's not a hundred percent.

22   Q       In any event, that would be significant, if --

23   A       In the evaluation of the seizure disorder, yes.

24   Q       If she in fact did have a seizure at the time of  
25           the exposure, correct?



1 A Yes.

2 Q The letter asked you whether any conditions that  
3 she has are permanent. That's one of the  
4 questions that you were asked by Mr. Hentemann.

5 With respect to the cognitive impairments  
6 that Ms. Ferrette has, do you have an opinion  
7 whether or not they are permanent?

8 A The ones that I observed in my evaluation?

9 Q The only ones that you can talk about, the ones  
10 that you observed.

11 A I think, yes, those minor changes may be  
12 permanent. They may have been lifelong, as I  
13 indicated before.

14 Q All right. You did get the life care plan?

15 A It's in here, yes.

16 Q Did you ask for that, or was it just provided to  
17 you?

18 A It was just included in all the records.

19 Q What did you do with it? Did you make any notes  
20 on it? Did you --

21 A No. I just read it.

22 Q Okay. Do you have any familiarity with life care  
23 plans?

24 A Not in that context specifically.

25 Q In what context?

1 A In the context of cognitive rehabilitation. I  
2 don't know that I've seen life care plans  
3 specifically.

4 Q Are you going to offer any opinions about the  
5 life care plan?'

6 A About the plan itself?

7 Q Yes.

8 A No.

9 Q Okay. Are you going to offer any opinions about  
10 Veronica's needs for the future?

11 A You know, I wasn't specifically planning to. If  
12 somebody asks me about it, I might give my  
13 opinion.

14 Q Okay. Well, I guess --

15 A It wasn't in my report, so it wasn't something  
16 that was in my mind.

17 Q If you're not going to be offering opinions about  
18 something, I don't want to waste our time on it.  
19 But I don't want to be surprised, either, when  
20 you testify at your video deposition. **So** if  
21 you're going to offer an opinion --

22 A Well, I would assume that I might be asked some  
23 questions that weren't asked here, and I'll have  
24 to answer them.

25 Q Well, I'm asking you about opinions that you have

1 with respect to her needs for the future.

2 Do you have such opinions?

3 A It's kind of speculative.

4 MR. HENTEMANN: She's testified  
5 about what she feels the condition is that the  
6 plaintiff has. Now, whether they need a life  
7 care plan is right at the root of that.

8 Q Well, do you have opinions with respect to what  
9 Veronica's needs are for the future?

10 A Oh, I think she's going to need a lot of help.  
11 Whether the type of help she needs would be one  
12 thing or the other, I don't know if I want to  
13 comment on it at this time. I mean I think she  
14 needs a lot of --

15 Well, I'll say this much: I think she  
16 needs a lot of neuropsychological help and  
17 psychiatric help. I don't know that she needs  
18 any seizure help. I doubt it, as I've testified.

19 But if she were my patient, I would  
20 certainly evaluate her for that.

21 Q If she were your patient, you would do further  
22 tests to determine whether or not she did in fact  
23 have seizures?

24 A Correct.

25 Q And if you found that she did, you would keep her

1 on the same medication she's on?

2 A Well, if she says she's still having seizures and  
3 you can document that, then you'd want to stop  
4 the medicine or do something to stop that, to try  
5 to optimize the management.

6 Q I think her testimony was that while she's been  
7 on medication she hasn't had any seizures.

8 A Not exactly. She said she hadn't had any major  
9 seizures, but she also has spells of feeling  
10 cold, not feeling this or that, that are  
11 variously described as seizures. So those you  
12 would want to record also.

13 Q You'd want to further examine that as well?

14 A To see if that was related to any seizure  
15 activity..

16 Q You think Dr. Mars ought to do that stuff? He's  
17 her neurologist.

18 A Well, I'm not here to tell Dr. Mars what to do.  
19 I'm saying, if she were my patient, this is how I  
20 would evaluate her.

21 Q And then based upon the results, you would act  
22 accordingly, treat her accordingly?

23 A To give her the best possible management.

24 Q And the neuropsychological help that she will  
25 need, I guess, because you said the problems are

1 permanent, I guess the help that she'll need is  
2 going to be permanent as well?

3 A Well, I don't think she needs as much -- by  
4 "neuropsychological help" I meant like therapy,  
5 psychotherapy.

6 Q You're aware she's receiving psychotherapy?

7 A I didn't read the life care plan that thoroughly.  
8 I hope she is receiving it.

9 Q You read Dr. Iahn's records?

10 A But those were old. Those were quite old.

11 Q You're not aware that she is continuing to see a  
12 psychiatrist?

13 A Do I have anybody -- I don't think I have  
14 anybody's notes on ongoing visits.

15 MR. HENTEMANN: Did we get  
16 those?

17 MR. LANSDOWNE: Sure.

18 MR. HENTEMANN: Then she's got  
19 those.

20 A I have them somewhere.

21 Q Dr. Merod's notes are in there.

22 A Are they handwritten?

23 MR. ARGIE: Yes. And **so**  
24 are Dr. Iahn's notes postexposure.

25 A I had trouble reading the handwritten notes. I

1 don't know if I saw them postcarbon monoxide. I  
2 saw them back when he started working with her.

3 All right. If that's -- I'm happy she is  
4 receiving psychotherapy.

5 MR. HENTEMANN: What about  
6 Iahn's?

7 A It's an admission. That was an admission.

8 Q Doctor, I believe that I'm through, subject to  
9 getting copies of some of the materials.

10 A Sure.

11 Q This is the deposition you were talking about,  
12 Veronica's deposition?

13 A Well, that wasn't the -- I thought that there was  
14 one for the '93 incident, but it may have just  
15 been a description that I read about it.

16 MR. HENTEMANN: I think the  
17 only depo was Veronica's.

18 MR. ARGIE: You're not  
19 aware of any depo in the other case, are you?  
20 She thought it was in connection with McPherson's  
21 report.

22 THE WITNESS: I thought I saw  
23 it, but it may have just been with the doctor's  
24 reports.

25 MR. ARGIE: If you are, we

1 want a copy of it.

2 MR. HENTEMANN: You're talking  
3 about a deposition taken --

4 MR. ARGIE: In connection  
5 with that litigation.

6 MR. HENTEMANN: The apartment  
7 harassment case?

8 Q You haven't seen the second deposition that **was**  
9 taken of Veronica in this case, correct?

10 A I didn't know there were two.

11 MR. LANSDOWNE: All right. If  
12 we could get copies of this.

13 MR. HENTEMANN: What do **you**  
14 want copies of, now?

15 MR. LANSDOWNE: Copies of these  
16 notes, copies of these.

17 MR. HENTEMANN: Clip what you  
18 want copied.

19 MR. LANSDOWNE: Okay.

20 (Recess taken.)

21 MR. LANSDOWNE: Doctor, what do  
22 you want to do about signature?

23 MR. HENTEMANN: We're going to  
24 not waive.

25 - - - - -


1 THE STATE OF OHIO, ) SS: CERTIFICATE  
2 COUNTY OF CUYAHOGA. )

3 I, Charles A. Cady, a Notary Public within and  
4 for the State of Ohio, duly commissioned and qualified,  
5 do hereby certify that the within-named witness,  
6 Barbara E. Swartz, M.D., was first duly sworn to  
7 testify the truth, the whole truth and nothing but the  
8 truth in the cause aforesaid; that the testimony then  
9 given by her was by me reduced to stenotypy in the  
10 presence of said witness, afterwards transcribed on a  
11 computer/printer, and that the foregoing is a true and  
12 correct transcript of the testimony so given by her, as  
13 aforesaid.

14 I do further certify that this deposition  
15 was taken at the time and place in the foregoing  
16 caption specified.

17 I do further certify that I am not a  
18 relative, counsel or attorney of either party, or  
19 otherwise interested in the event of this action.

20 IN WITNESS WHEREOF, I have hereunto set my hand  
21 and affixed my seal of office at Cleveland, Ohio, on  
22 this 16<sup>TH</sup> day of March 2001.

23   
24 Charles A. Cady, Notary Public  
within and for the State of Ohio

25 My Commission expires November 3, 2004.



1 THE STATE OF \_\_\_\_\_ )  
 2 COUNTY OF \_\_\_\_\_ ) SS:

3 Before me, a Notary Public in and for said state  
 4 and county, personally appeared the above-named  
 5 Barbara E. Swartz, M.D., who acknowledged that she  
 6 did sign the foregoing transcript and that the same is  
 7 a true and correct transcript of the testimony **so**  
 8 given.

9 IN TESTIMONY WHEREOF, I have hereunto affixed my  
 10 name and official seal at \_\_\_\_\_,  
 11 this \_\_\_\_\_ day of \_\_\_\_\_, 2000.

12  
 13 \_\_\_\_\_  
 Barbara E. Swartz, M.D.

14 \_\_\_\_\_  
 15 Notary Public

16 My Commission expires: \_\_\_\_\_

17  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25

[illegible]

Barbara E Swartz, Mar, 2000

## CURRICULUM VITAE

**BARBARA E. SWARTZ**

SS#: 276-50-1335

University Hospitals of Cleveland  
11100 Euclid Avenue  
Cleveland, OH 44106  
(216) 844-3714

### MEDICAL LICENSURE

California license #GO46769 (1981 - present)

DEA #A5 966236

Ohio license #76483 (7/7/91)

### BOARD CERTIFICATION

Diplomat, American Board of Psychiatry and Neurology (1986)

Diplomat, American Board of Clinical Neurophysiology (1988)

### EDUCATION

Chapman College, Orange, California  
B.S. Chemistry major, minor Psychology

### AWARDS

Honors at Entrance

Full tuition honorary scholarship (four years)

Full tuition honorary scholarship (four years)

Outstanding Freshman Chemistry Award

Honorary student member of A.C.S.

Honors Seminar participant

Outstanding Senior Chemistry Award, A.C.S.

American Institute of Chemists student award

Graduated Magna Cum Laude

Chapman College Grey Key (Kappa, Phi, Delta)

### GRADUATE STUDIES

1975-79 Graduate school in Pharmacology, UCLA. Ph.D. completed October, 1979. Title:

"The Role of 3', 5'-Guanosine Monophosphate at Cholinergic Synapses of the Central Nervous System in Cats"

Advisors: Donald J. Jenden, Ph.D., Professor and former Chairman,

Dept. Pharmacology, UCLA

Charles D. Woody, M.D., Professor, Anatomy and Psychiatry, UCLA

1975-1979 Medical School, UCLA. Degree completed June, 1979

### Awards:

Stern Scholarship (1976 and 1977)

Eldridge Scholarship (1977 and 1978)

PLAINTIFF'S  
EXHIBIT

RE: Veronica Ferrette  
Page 2

**RISK FACTORS:** In terms of other risk factors for seizures, she had no major history of head injury. She had a normal spontaneous birth and development and normal developmental milestones. No febrile convulsions or family history of seizures. No history of CNS infections.

**SOCIAL HISTORY:** She was not employed at the time of the accident. She was formerly a sleep technologist at the VA Wade Park and she said she also did some research at University Hospitals of Cleveland. She had quit her job with the intention of opening her own private sleep lab. Included in the materials for review were two articles published that had her name on them. She was the third author on one and the seventh author on the other. She is not currently employed. She denies alcohol or cigarette use.

**PAST MEDICAL HISTORY:** She denied any other problems. She currently is taking Pamelor 200mg q hs, Loestrin birth control pills 1 qd.

**REVIEW OF SYSTEMS:** She said that she's had some headache recently due to a sinus infection and is also taking an antibiotic whose name she doesn't remember, possibly Bactrum, but had no other constitutional complaints. She's had no serious medical illnesses and no significant surgical history. On today's evaluation, the patient complains that she still has problems with her thinking, specifically impaired memory and concentration. She feels unable to express herself and has decreased ability to focus. She said this has been the same since the carbon monoxide poisoning with no plateau or worsening of the effect. Interestingly, when she was asked by my nurse when her first seizure was, she responded either 34 or 35 years old, she was not sure. When I asked her the same question, she said it was 2.5 years ago in May of 1998. The patient has her driver's license but is not driving. She says she does not feel she can concentrate enough.

**EXAMINATION:** The patient was alert, oriented in all spheres. Speech was fluent, comprehension was intact, and repetition was intact. On mental status testing, she performed serial sevens fairly quickly, making one mistake. She performed calculations of  $(21+36)$ ,  $(100-39)$ ,  $(9 \times 5)$ ,  $(28/5)$  quickly and correctly in her head, although she says she can't balance her own check book at this time. A Trails B type test was done during the exam. The patient was asked to finish what I started and I connected A to 1, she then connected to 2,3,4 and 5. I asked her about the letters and she started over back on B and connecting to C, D and E. In terms of long term memory, she knew the Presidents' back to Reagan, who she knew was a republican actor but spelled his name with a cue. She knew that Gore and Bush were candidates for the Presidency. In terms of her immediate memory, she had 5/5 pictures with two tries. After five minutes, she obtained 4/5 + 1 with a cue. Her verbal memory was 5/5 at zero minutes with one try. At five minutes, she got 3/5 + 1 with a cue and seemed to perform more slowly. She obtained 2/3 on a test of sequential similarities. She performed a tapping test, which was intact, although I did have to explain it twice. On the "A" test, she performed accurately, raising her right hand when the letter "A" was said and for unclear reason, switched to her left hand at the end. On cranial nerve evaluation, extra ocular motility was full with some end gaze nystagmus. She had full fields to confrontation. Sensation was intact over the face. Pupils were equal, round and

RE: Veronica Ferrette  
Page 3

reactive to light and accommodation. There was a very slight decrease in the left nasial labial fold. On cranial nerve 8, hearing was intact. Air was greater than bone conduction bilaterally. The tongue extended in the midline with good articulation. The uvula was in the midline, the palate elevated symmetrically. Sternocleidomastoids and trapezius were 5/5. On motor examination, she had normal bulk, tone and strength on the right side. On the left side, she was 5-/5 at the biceps, 4+ at the triceps, 4+ at the deltoids and these all had give-way weakness. Finger flexors were 4+/5, in the lower extremity the femur was 4/5 with giving way and her tibia's were the same, as was the gastroc-soleus. In the supine position, straight leg raising was tested and was negative. She had a 2+ Homan's sign as she made some effort to lift her left leg off the bed but this effort did not equal that involved in the right leg raising. Tone was normal and lacked any cogwheeling. She did not have a masked fascies. Finger tapping was decreased on the left. In the lower extremities, foot tapping was somewhat slower on the left foot than the right. I should note that she actually had not volunteered any information about the left hemiparesis and when I saw her walk in, she did not appear to be weak on that side but when I started the exam and noted the weakness, she explained it. On the Luria test of sequential hand motion, she performed fare on the left, actually somewhat decreased on the right, being slower but accurate. Cerebellar testing revealed intact heel knee shin and finger nose finger. Rapid alternating movements were intact in the upper extremities. Gait was performed on a narrow base with actually an increase in her left arm swing. Tandem was performed accurately, but on heel walk, she shuffled her left leg in and out and on toe walking, she performed with some up/down movement. On sensory examination, she reported an increase in light touch in the left arm and leg, decrease in pin in the left leg, position sense was intact, vibratory sense was intact. On cortical sensory testing, she had no right/left confusion and no extinction on double simultaneous stimulation. On stereognosis testing, she got 3/3 on the right hand and 1/3 on the left. Deep tendon reflexes were 3/5 and symmetric in the upper extremities, 2+-3 at the knees, 2 at the ankles. Plantar response was flexor. There was no Myerson's sign, no Hoffman's sign, no cross adductors and jaw jerk was 1+. I noted that throughout the exam, the patient was cooperative and pleasant, although she had expressed a lot of anger at my nurse over the bill, which the clerk had asked her to pay. We explained to her that the clerk probably didn't know that she was an IME and this seemed to quiet her down.

I also note the patient filled out a QOLIE-10, which is a routine part of our evaluation. Her score was 27, which is fairly high, indicating a good deal of dissatisfaction with her current lifestyle and on a scale of 1/5, she circled 5 corresponding to her life being "very bad, could hardly be worse". The only thing she did not complain about was physical effects of medicine, mental effects of medicine or the fear of having a seizure and effects of medicine of driving.

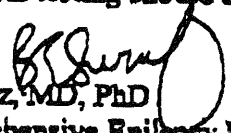
**IMPRESSION:** The patient is a 36-year-old right handed female with a history of exposure to carbon monoxide poisoning in May of 1998. She complains of secondary seizures, hemiparesis, and impaired cognitive function since then. The seizures she reported were of a focal nature as well as the hemiparesis. It's noted that the level of carboxy hemoglobin reported did not appear to correlate clinically a severe intoxication and she did not require extreme measures to be revived. However, it's pointed out that there is some discrepancy in the reporting of this

RE: Veronica Ferrette  
Page 4

between the patient and her chart, which should be clarified. As a source of coma, carbon monoxide does not produce focal neurologic signs, but rather a generalized depression and one would not expect hemiparesis, which would presumably due to a stroke, but her MRI show any evidence of a stroke. She does not appear to have any risk factors for stroke and the nature of the hemiparesis involving give-way phenomena, absence of cortical spinal tract signs that correspond to the right hemisphere, and abnormal movement of the leg during walking that does not correspond to any neurologic syndrome would lead one to suspect that this portion of the exam represented a conversion or a factitious disorder. There was a slight flattening of the left nasal labial fold. One would have to compare her pre-accident pictures with the present to determine whether that was new. Two normal EEGs does not rule out a clinical diagnosis of seizures, however, and to make a definitive diagnosis, she should have had inpatient video-EEG monitoring with reduction of medication or even cessation of medications to determine whether a real seizure focus exists. It would be unusual to show a significant amount of cognitive impairment with two normal EEGs. On her exam today, she does not show significant cognitive impairment. She has some decrease in her delayed recall of words, although registration was intact. Delayed recall of pictures was better, although, she took 2 trials to register them. This doesn't point to many consistent lateralizing lesions. Tests of attention were relatively intact. These included the "A" test, the finger tapping test and serial sevens. Her sensory exam was also somewhat incongruent, reporting a decrease in one limb on the left, with an increase in the other limb on the left. She did not, however, split the midline or report changes on the face. In terms of her weakness, again, it appears to be of the give-way type. Testing her leg elevation while supine, with the right leg elevating, there was a full extension pressure of the left leg.

Pre-motor function was intact, as evidenced by the Luria test but she did fail to perform one prefrontal test accurately, that being the "trails B test" and she did similarly miss one on the sequential similarities test, which is a sorting task. To evaluate her cognitive function, a full neuropsychological battery should be performed and including a MMPI and a Beck Depression Inventory.

In terms of expected long term quality of life after carbon monoxide poisoning, one can have seizures that are generalized, as opposed to focal, and cognition can certainly be impaired. What would be expected is the subcortical dementia type as the basal ganglia are the primary site for damage following carbon monoxide poisoning. She shows no other signs of basal ganglia damage such as rigidity, tremor, postural instability or orthostatic hypotension but the neuropsychological testing should also target subcortical and dementia type profile.

  
Barbara E. Swartz, MD, PhD  
Director, Comprehensive Epilepsy Program  
University Hospitals of Cleveland

BES/rmk-1 1/07/00

**University Hospitals  
Health System**

University Hospitals  
of Cleveland

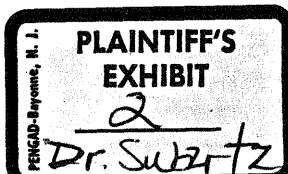
**INDEPENDENT MEDICAL EXAM**

October 26, 2000

RE: Veronica Ferrette, et al v. Theresa Kowalczyk, et al  
UH#: 865992  
SS#: 285-68-3509

Ms. Ferrette was interviewed and examined. A file from the defense attorney, Harry A. Hentemann, was reviewed prior to seeing her.

**HISTORY OF PRESENT ILLNESS:** Ms. Ferrette's problem dates back to 05/07/98 when she was asleep upstairs in her aunt's house. Her aunt had evidently left her car parked in the garage with the engine running and the patient was sleeping in a room above the garage. She was found unconscious. At this point, the paramedics note and the patient's story differ. The patient says that when she was found she was jerking and foaming at the mouth. The emergency squad's note says nothing about a seizure but that they were called for a loss of consciousness. The patient said that she did not respond to CPR and that she was told that she had only ten minutes to live when she was taken to Hillcrest Hospital. The paramedics note said that oxygen was given but that the patient had a good blood pressure and pulse and did not require CPR. A carboxyhemoglobin level was measured. It was 300 ppm or 39.9, which was consistent with a moderate-severe level of intoxication. There is no note from a neurologist during that hospital visit. She initially went to Hillcrest Hospital and then was transferred to St. Vincent's Hospital. She said her first memory was at St. Vincent's Hospital. Here she remained an inpatient for an unclear duration but never required ICU, intubation or hyperbaric oxygen. Medical personnel gave no anti-convulsant medications as there was no report of any seizures. The patient was discharged to go home. She had been followed regularly by a psychologist, Dr. McPherson and a psychiatrist, Dr. Lahn, who were treating her for depression and insomnia. Her regular medications were Pamelor 25-75mg, Remeron 1.5mg and Ativan for sleep and/or anxiety, although she would sometimes take Ambien. After this, the patient began to complain of seizures. The first one occurred months after the incident and after the seizures began, she said she noted left hemiparesis. Dr. Mars notes "no further seizures" on June 4 and the patient was unsure when they started. The seizures were described as left-sided shaking and they were first treated with Tegretol and then with a combination of Tegretol and Neurontin, which she is still on. She is on 800mg qd Tegretol and 1200mg qd Neurontin and she says her neurologist is checking her levels. She reports to me that her seizures have been controlled for about fourteen months, although she said she may still have some little seizures described as having her coordination go off, having eyelid flutter, having head shaking and having stuttering speech. Dr. Mars evaluated her with an EEG and a MRI scan. Both were normal. The EEG was repeated and was again normal.



Barbara E Swartz, Mar, 2000

UCLA Medical Center Auxiliary Scholarship (1978)

Ruth G. White Scholarship (1978 and 1979)

#### Extracurricular

Regents Scholarship Committee

#### PROFESSIONAL APPOINTMENTS

- 1979 - 1980 NIMH training grant (post doctoral), UCLA Dept. of Pharmacology
- 1980-1981 Internship, Internal Medicine, UCLA
- 1981-1984 Residency in Neurology, Columbia University, Neurologic Institute of NY
- 1984-1987 Post-Doctoral fellowship in Epilepsy and Clinical Neurophysiology with A.V. Delgado-Escueta at UCLA and VAMC Wadsworth
- 1987- 1995 Assistant Professor of Neurology in Residence, UCLA
- 1987-1987 Part-time Staff Neurologist, West Los Angeles VA Medical Center
- 1988-1999 Full-time Neurology Staff, VAMC Wadsworth
- 1988-1999 Director, Telemetry Unit VA Southwest Regional Epilepsy Center & Comprehensive epilepsy Program, West Los Angeles VA Medical Center
- 1990-1999 Advancement to Chief Series, VAMC Wadsworth
- 1989-1999 Co-Director, Epilepsy Surgery Program. VASWREC, Wadsworth
- 1991-1999 Co-Director of Clinical Neurophysiology, SWR Epilepsy Center, VAMC, WLA
- 1995-1999 Associate Professor in Residence, UCLA Department of Neurology
- 1999-Present Associate Professor, Case Western Reserve University, Cleveland, OH

#### RESEARCH INTERESTS

- Present
  1.  $^{15}\text{O}$ -H<sub>2</sub>O-PET studies of working memory have been completed and results are in preparation to examine potential neurotransmitters which subserve working memory in the dorsolateral frontal lobe using selective catecholaminergic agents.
  2. Changes in brain chemistry in the frontal lobes of epilepsy patients studied with MRS.
- 1990-1994 Working memory in normal and epilepsy subjects studies with  $^{18}\text{F}$ FDG-PET activation studies. In particular, the role of the dorsal prefrontal cortex and the Possible reorganization of working memory circuitry in subjects with epilepsy has been investigated.
- 1989 - present Cognitive reorganization in epilepsy.
- 1987-1990 Use of  $^{18}\text{F}$ FDG-PET in the evaluation of intractable epilepsy with emphasis on the frontal lobe.
- 1984-Present Presurgical evaluation and management of intractable epilepsy.
- 1984-1987 GABA mediated single channel function in human hippocampal neurons.
- 1979-1980 Ach turnover in the hippocampus
- 1975-1980 Effects of 3'5' cyclic-guanosine monophosphate at central nervous system Synapses.

#### AWARDS

- 1997-1999 Bridge funds - \$5000 awarded, VAMC West LA Research Committee
- 1994-1997 VA Merit Review Grant, "Prefrontal Dysfunction in Frontal Lobe Epilepsy". \$210,000, 1994-97.



Barbara E Swartz, Mar, 2000

- 1991-1995 Principal Investigator, "The Sensitivity of Positron Emission Tomography in Epilepsy". Non-funded project at VAMC PET facility.
- 1991-1994 Renewal of Frontal Lobe Metabolism in Normal Function and Disease, PI., \$180,000.
- 1991-1993 Co-Investigator, "Depression, Epilepsy and Positron Emission Tomography", Funded by VA Research Advisory Group. Principal Investigator: Lori Altschuler, M.D., \$75,000.
- 1989-1990 Recipient Academic Senate Grant, UCLA. Titled as above. \$5,000
- 1988-1991 Frontal Lobe Metabolism in Normal Function and Disease. Principal Investigator. VA Merit Review Grant Tab. No. 78. Section Neurology, \$160,000
- 1988-1992 Recipient of IDE application by FDA for Chronic Subdural and Epidural Recordings in the Management of Intractable Extratemporal Complex Partial Seizures. No.G870018/A1. (The first such approval issued in U.S.A.) Five year prospective study completed.
- 1987-1994 Co-Director, Core Unity on Basic Mechanisms of the Epilepsies NINCDS Program, Project of the Comprehensive Epilepsy Program.
- 1985-1987 EFA Fellowship Grant: "The Mechanisms of GABAergic Synapses in Hippocampal Cells of Normal and Human Epileptic Tissue." \$30,000
- 1984 Recipient BRSG Grant, UCLA. Titled as above. \$5,000
- 1979-1980 Post-doctoral training grant, NIMH, #MH15345. \$10,000. "Acetylcholine Metabolism in Hippocampal Slices in Normal and Kindled Rats"

#### SUBMITTED AWARDS, pending

- 2000-1980 Is non-temporal epilepsy progressive? VA Merit Continuation (5 yrs., \$125.00 per year). To be submitted May 1, 2000
- 1999 Continuous Quantitative EEG Monitoring by Telemetry in Acute Stroke - NIH BRP application with Cleveland Medical Devices.

#### POST-DOCTORAL FELLOWS

Jiun Wang, MD awarded William G. Lennox International Research Fellowship to study with Barbara E Swartz, MD, PhD. Start date July, 1994. Topic: Rigidity Phenomenon in Frontal Lobe Epilepsy as Correlated with <sup>18</sup>FDG-Positron Emission Tomography. \$30,000

#### PROFESSIONAL AND UNIVERSITY SOCIETY MEMBERSHIPS

- 1998-Present Member, VA Advisory Panel on Epilepsy Management.
- 1998 Examiner for ABPN.
- 1997-Present Member VA Medical Research Advisory Group - reviews career development awards, Merit Review grants and VA Research Prospectus Neural Sensory Disorders.
- 1989-Present Western EEG Society - Board Member, 1991; Membership Committee Chair, 1992-1993; Secretary Treasurer, 1994; Vice-President, 1995; President, 1996.
- 1989-1999 Epilepsy Society Serving LA and Orange Counties - Board of Trustees Secretary and Chair, Planning Committee. Professional Advisory Board President, 1992-present.

Barbara E Swartz, Mar, 2000

- 1984-Present American Epilepsy Society - Scientific Program Committee, 1991;  
Clinical Investigator's Workshop, 1998-1999.
- 1984-Present New York Academy of Science
- 1981-Present American Academy of Neurology, 1998 - fellow status
- 1978-Present American Association for the Neurosciences

#### JOURNAL REVIEWER

Epilepsia, Neurology, J Neuroradiology, J Neurosurg.

#### GRANT REVIEWER

NIH, ad hoc

VA Merit and Career Development Awards

#### REFEREED JOURNAL ARTICLES and ORIGINAL MANUSCRIPTS

- 1 Swartz, BE, Torgersen D, Kovalik E, Thomas K, Brown C, Mandelkern MA. The effects of an alpha-2-agonist, guanfacine on rCBF in normal humans and subjects with focal pathology. In Press. 2000 J. Psychopharmacology
- 2 Swartz, BE, Patell A, Thomas K, Khonsari A, Torgersen D, Brown C, Delgado-Escueta AV, Mandelkern, MA. The sensitivity of 18-FDG Positron Emission Tomography in the routine diagnosis of epilepsy: A comparison to a surgical series and other Neurodiagnostic tests. Submitted, Epilepsy Research, Feb 2000.
- 3 Swartz, BE, Thomas K, Simpkins F, Kovalik E, Mandelkern MA. Rapid quantitative analysis of individual FDG-PET scans. J Clinical Positron Imaging, 1999;2(1):47-56
- 4 Swartz, BE, Delgado-Escueta AV, Walsh GO, Rich JR, DeSalles, A, Kauffman M. Surgical Outcomes in Pure Frontal Epilepsies and Foci that Mimic Them. Epilepsy Research, 1998; 29:97
- 5 Cornford EM, Gee MN, Swartz BE, et al. Dynamic FDG-PET and hypometabolic zones in seizures: Reduced capillary influx. Annals, Neurology 1998; 43:801-808
- 6 Swartz, BE. The advantages of digital over analog recording techniques. In: B Swartz, Z Koles (eds.) EEG, Past Present and Futures. Electroenceph Clin. Neurophysiol., 1998; 106(2):113-117.
- 7 Swartz, BE, Goldenshon E. Timeline of the history of EEG and associated fields. In: EEG- Past, Present and Future, Eds. BE Swartz and Z Koles. EEG clin. Neurophysiol 1998; 106(2):173-177
- 8 Sander VJ, Felisan SL, Waddell A, Conrad AJ, Schmid P, Swartz BE, et al. Presence of Herpes Simplex DNA in Surgical Tissue from Human Epileptic Seizure Foci Detected by Polymerase Chain Reaction. Arch Neurol. 1997; 54:954-960
- 9 Swartz BE, Simpkins F, Halgren E, Mandelkern M, Brown C, Krisdakuortorn T, Gee, M. Visual working memory in primary generalized epilepsy: An <sup>18</sup>FDG-PET study. Neurology 1996; 47:1203-1212
- 10 Swartz BE, Halgren E, Simpkins F, Mandelkern M. Studies of working memory using <sup>18</sup>FDG-positron emission tomography in normal controls and subjects with epilepsy. Life Sciences 1996; 58(22): 2057-2064
- 11 Swartz BE, Halgren, Simpkins F, Fuster J, Mandelkern M, Krisdakuortorn T, Brown C, Ropchan J, Bland WH. Primary or working memory in frontal lobe epilepsy: An <sup>18</sup>FDG-PET study of dysfunctional zones. Neurology, 1996; 46(3):737-747

Barbara E Swartz, Mar, 2000

12. Swartz BE, Rich JR, Dwan P, DeSalles AAF, Kaufman M, Walsh GO, Delgado-Escueta AV. Safety and efficacy of chronic subdural electrodes in intractable epilepsy. *Surg Neurology* 1996; 46(1): 87-93
13. Swartz BE, Halgren E, Fuster JM, Simpkins F, Gee M, Mandelkern M. Cortical metabolic Activation in humans during a visual memory task. *Cerebral Cortex* 1995; 3:205-214.
14. Swartz BE, Khonsari A, Brown C, Mandelkern M, Simpkins F, Krisdakumtorn T. Improved sensitivity of <sup>18</sup>FDG-PET scans in frontal and "frontal-plus" epilepsy. *Epilepsia* 1995; 36(4):388-395
15. Swartz BE, Halgren E, Fuster J, Mandelkern M. An <sup>18</sup>FDG-PET study of cortical activation During a short-term visual memory task in humans. *NeuroReport* 1994; 5(8):925-928
16. Swartz BE, Halgren E, Simpkins F, Syndulko K. Primary memory in patients with frontal and primary generalized epilepsy. *J. Epilepsy* 1994; 7(3):232-241
17. DeSalles AAF, Swartz BE, Lee T, Delgado-Escueta AV. Subdural recording and electrical Stimulation for cortical mapping and induction of usual seizures. *Stereotactic and Functional Neurosurgery* 1994; 62:226-231
18. Swartz BE. Electrophysiology of bimanual-bipedal automatisms. *Epilepsia* 1994; 35(2):264-274
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#### ABSTRACTS

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#### BOOK CHAPTERS, SPECIAL PUBLICATIONS

- 1 Swartz BE. Positron emission tomography: The contribution of cognitive activation paradigms to the understanding of the epilepsies. In: Jasper's Basic Mechanisms of the Epilepsies; AV Delgado-Escueta, W. Wilson, R Olsen, RJ Porter, eds. Lippincott-Raven, NY, NY. 1999
- 2 Swartz BE, Koles Z. Editors. "EEG - Past, Present, Future" *EEG Clin Neurophysiol* 1998; 106(2).
- 3 Swartz BE. Complex partial seizures. In: *Current Therapy in Neurological Diseases*; JW Griffin, RT Johnson, eds. Mosby-Year Book, Inc., Philadelphia, PA 1996:55-61
- 4 Swartz BE. Complex partial seizures. In: *Current Therapy in Internal Medicine*; JP Kassirer, HL Greene II, eds. Mosby-Year Book, Inc., Philadelphia, PA 1997, In Press
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9. Wieser HG, Swartz BE, Delgado-Escueta AV, Bancaud J, Walsh GO, Maldonado H. St. Hilaire JM. Differentiating frontal from temporal lobe seizures. In: *Frontal Lobe Seizures and Epilepsies*; P Chauvel, AV Delgado-Escueta, E Halgren, J Bancaud, eds. *Adv. in Neurology* 1991; 57: 267-286, Raven Press Ltd., NY
10. Halgren E, Stapleton J, Domalski P, Swartz BE, Delgado-Escueta AV, Treiman DM, Walsh GO, Mandelkern MD, Bland W, Ropchan J. Memory dysfunction in epileptics as a derangement of normal physiology. In: *Neurobehavioral Problems in Epilepsy*; D Smith, DM Treiman and M Trimble, eds. *Adv in Neurology* 1991; 55:385-411, Raven Press Ltd., NY
1. Delgado-Escueta AV, Swartz BE, Abad-Herrera P. Status epilepticus. In: *Comprehensive Epileptology* 1990; pp 251-270. M Dam, L Gram, eds. Raven Press Ltd., NY
1. Delgado-Escueta AV, Swartz BE, Maldonado HM, Walsh GO, Rand RW. Complex partial seizures of frontal lobe origin. In: *Presurgical Evaluation of Epileptics*; HG Wieser and CE Elger, eds. Springer-Verlag 1987; pp 267-297. Berlin Heidelberg
1. Swartz BE, Delgado-Escueta AV. Management of status epilepticus. In: *Epilepsy*; Anthony Hopkins, ed. 1987; pp 417-442
1. Swartz BE, Delgado-Escueta AV. Complex partial seizures of extratemporal origin: the evidence for. In: *Current Problems in Epilepsy*; HG Wieser, EJ Speckmann, J Engel, eds. 1987; pp 137-144, John Libbey, London, Paris
1. Lee AG, Delgado-Escueta AV, Maldonado HM, Swartz BE, Walsh GO. Closed-circuit television videotaping and electroencephalography biotelemetry (video/EEG) in primary generalized epilepsies. In: *Intensive Neurodiagnostic Monitoring*; RJ Gummit ed. *Adv. Neurol* 1986; 46:27-28, Raven Press Ltd., NY
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## BOOK REVIEWS

*Frontal Lobe Function and Dysfunction.* HS Levin, HM Eisenberg, AL Benton, eds. *For J. Clin. Neurophysiol.* 1992, July

*Management of Epilepsy.* S. Chokroverty, ed. for *Neurology.* 1966, October

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INTVITED LECTURES/PRESENTATIONS – Last 5 years only

1. UH, May 9, 2000, 12:00pm Epilepsy Mgmt. Lecture for Med. Residents; VA, May 16, 2000, 12:00pm
2. Epilepsy: An Old Disease – What's New? – Westlake, April 13, 2000, 7:00-8:00pm
3. "Status Epilepticus" – Park Davis Symposium/Wyndham Hotel, April 8, 2000
4. Epilepsy: An Old Disease – What's New? – Landerbrook, March 23, 2000, 7:00-8:00pm
5. Grand Rounds Lecture – CCF, Cognitive Reorganization in Epilepsy, March 9, 2000
6. WSET & WCNS – Cognitive Reorganization in Epilepsy, Feb. 26, 9:00am
7. Pre-surgical Evaluation of Refractory Epilepsy – El Paso, TX, Feb. 1, 2000
8. Clerkship Teaching Seminar – Neurology Conf Room, Jan. 20, 2000, 11:00-1:30pm
9. Problems in Epilepsy Management – Green Road, Jan. 18, 2000, 12:00-1:00pm
10. FLE – Epilepsy Conference, Jan. 10, 2000, 7:30-8:30am
11. TLE – Epilepsy Conference, Dec. 21, 1999, 7:30-8:30am
12. Clinical Investigator's Workshop – Symposium Moderator – AES, Dec. 5, 1999
13. Panel discussion with Devereaux, Dec. 1, 1999
14. Neurology for Non-Neurologist – Epilepsy, Sat., Nov. 6, 1999
15. Talk to QualChoice Management Group, Nov. 2, 1999
16. Modern Seizure Management – at Akron General, Ortho-McNeil, Sept. 23, 1999
17. Trauma and HCS – for Intl Epilepsy Congress, Sept. 12-18, 1999
18. The relationship of trauma to hippocampal sclerosis. Merit Putnam Symposium, Los Angeles, April, 1999
20. Cognitive activation studies in Epilepsy – Neurobehavior Seminar, UCLA, March, 1999
21. Modern diagnosis and management of epilepsy. Phoenix VA, March, 1999
22. Gender Issues in Epilepsy – EFLA symposium, September, 1998
23. Epilepsy and PET: What can cognitive activation studies tell us? Grand rounds at Rutgers/RWJMD, February, 1998
24. Fundamentals of EEG – yearly lecture given to VA West Los Angeles Neurology Residents.
25. Current Management of Epilepsy – Japanese Medical Society of LA, October, 1997 and Epilepsy Foundation of LA – November, 1997
26. Neurology Grand rounds – Functional Studies with PET Scans, April, 1997.
27. Lecture Western EEG Society, February, 1997: "Functional Studies in Epilepsy with Positron Emission Tomography".
28. Lecture "Advances in Seizure Diagnosis and Management" Van Nuys Hospital, Ventura Hospital, July and November, 1996.
30. "Coping with Epilepsy". Organized symposium for the public. November, 1996.
31. Lecture Western EEG society, "EEG-Past, Present and Future", February, 1996
32. Lecture at Western EEG society, February 1995: Ictal Patterns in Temporal and Extratemporal Epilepsy.
33. Lecture for Nuclear medicine Grand Rounds, 1995: Positron Emission Tomography and Epilepsy.
34. Lectures: Grand Rounds, UCLA Neurology Dept. and Memory Research Group, 1995: Working Memory in FLE, JME and normals.
35. Consultant for design of Chronic EEG recording unit. VAMC Portland, January 1994. Course given at 1994, 1995, 1996 AAN Meeting: Seizure Recognition and Diagnosis.

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## PSYCHOLOGICAL REPORT

RE: Veronica Serrette

DATE OF BIRTH: 6-5-64

A/N: 285-68-3509

CHRONOLOGICAL AGE: 34

DATE OF EVALUATION: 3-18-99

## TESTS ADMINISTERED:

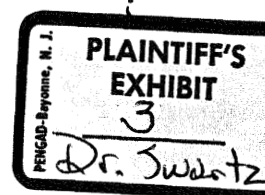
Wechsler Adult Intelligence Scale-III

WRAT-Reading

Wechsler Memory Scale

Clinical Interview

WAIS administered by L. Sprouse, M.A., Psychology Assistant.

CLINICAL INTERVIEW - MENTAL STATUS EXAMINATIONIdentifying Information

Veronica Serrette is a 34 year old, single female. She arrived on time accompanied by her mother. She was cooperative and provided information as well as she was able. Her mother also offered additional data.

Personal History

Veronica Serrette was born June 5, 1964. Her parents are both alive but not living together. She has contact with both her mother and father. She has one sister and a half-brother and gets along with them well also. Veronica reports that she attended schools in Cleveland graduating from Regina High School. She attended John Carroll for a period of time and then transferred to Cleveland State University. She also was doing graduate work in biology at Cleveland State.

When asked about her work history, she reports that the only employment she remembers is working as a research assistant at Case Western Reserve University, sleep laboratory. Her last employment was approximately a year ago.

When asked about her disability, she reports she suffered carbon monoxide poisoning. She described the incident no doubt as she had been told it occurred, she was sleeping in an upstairs bedroom of her aunt's home over the garage where her aunt inadvertently left the car running. The next morning she was unresponsive. She was taken to the hospital for emergency treatment. Since then she has had very serious memory problems. She feels her problems are most severe in terms of short-term memory but it is obvious that all aspects of memory function have been impaired.

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Veronica's mother **reports** that on the morning of the accident after EMT personnel arrived they felt that Veronica **would not survive**. She was treated at St. Vincent's Charity Hospital. Her mother indicates that she **had** very serious problems with memory function. As a result she **is not left** alone. She **also** has been left with a seizure disorder and **what appears to be** considerable depression. Veronica's mother reports that **she** is easily disoriented. She is unable to travel independently and certainly she cannot **drive**. Her mother reports that recently she became lost in the area around her apartment complex and had to **be escorted back to her** building. In ordinary conversation **she becomes confused** and does not recall information which has been discussed with her moments before. Veronica's physician, Paul Iahn, describes her as experiencing episodic confusion, affective lability, forgetfulness with impaired concentration.

**Referral** information further indicates that Veronica suffered permanent brain damage as a result of accidental carbon monoxide poisoning. Her doctor describes her as experiencing moderate **depression and anxiety** at present with a profound **sense of loss** related to her inability to think and concentrate. It is noted that **she has** a superficial ability to relate to others. She cannot focus well in conversations, her physician describes her "unable to connect in counseling." He also notes some affective blunting and indifference in a general day to day presentation but emotional **lability** even under conditions; of relatively low stress.

#### Mental Status Examination

Veronica is approximately 5' 2" and weighs about 115 to 120 lbs. She did not know her height or weight. She has **blond hair worn in a style** which is current and on the **day** of the evaluation **was** attired in blue jeans, purple sweater and **black** leather shoes. Her **overall appearance was** neat. She was cooperative and **pleasant** in her manner, *Motivation is fair* for the tasks but she acknowledges **readily** that she had **difficulty** concentrating and focusing. This was evidenced throughout the interview and throughout the testing. Her conversation **was** punctuated by interruptions when she would have to ask for clarification regarding the question which had been **asked** previously or **when** she did not understand the meaning of a word. She **explained** that often she will hear what **is** being said to her but cannot comprehend the meaning of **it** and *it* is at **those times when she** needs to ask for clarification.

#### Affect and Mood

**Facial expression was** unremarkable. **Affect seemed** slightly constricted. Veronica responded that **she wasn't sure if she was depressed or not**. She acknowledged **feeling** a great **sense of loss** about her inability to remember and concentrate and **about** her inability to continue with her former career in sleep research. She maintained good **eye** contact. She seemed relatively **calm** and relaxed in the interview. She has a good appetite according to her report. **Her sleep is** interrupted. She admits to **having crying spells which she describes as** occurring for no reason. She **also noted** that after **she has** a seizure **it seems that she becomes more** emotionally labile and will have crying spells for several days afterward. She admits to some vague thoughts

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of suicide but expressed no actual intention in that regard. She stated that after she began to recover from the accident she realized her losses and wished that she simply would stop living. Energy level is somewhat restricted. She does not claim a loss of interest in her surroundings but admits that there are many things which she cannot do and she becomes very frustrated by this,

### Mental Content

No delusional material was elicited. There was no evidence of paranoid or grandiose thinking. She denies experiencing any form of perceptual distortion.

### Sensorium and Cognitive Functioning

Veronica was not oriented fully. She understood that it was March but indicated that it was 1998 and admitted that she did not know the date. She could not do serial seven subtractions correctly, she could not interpret proverbs. Recall for digits was at the lowest end of the average range,

### Insight and Judgment

Insight and judgment are impaired. Veronica gives the impression that she cannot manage very much independently. In fact, her mother reports that she lives with a family member who supervises her and takes care of many tasks which she cannot do such as cooking, laundering, etc.

### Daily Activities

Veronica reports that she gets up at different times each day but usually between 8:00 and 9:00. Sometimes she will have something to eat but other days she will miss breakfast. She reports that she tries to read each morning but becomes frustrated quickly because she cannot understand. She doesn't enjoy watching television very much because it confuses her, however, she does enjoy listening to certain types of music. She reports that there are times when she simply doesn't bother answering the phone. Her mother visits her two to three times a week, her sister comes almost as frequently and helps her manage her funds and shopping. Her niece does the cooking and laundry. She has several friends who stay in touch with her but for the most part her range of activities is very limited.

### Results of Testing

Results of the Wechsler Adult Intelligence Scale-III show that Veronica achieved a full scale IQ of 74 with a verbal IQ of 82 and a performance IQ of 68. Scale score distribution is as follows:

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Verbal Tests

Vocabulary 7  
 Similarities 5  
 Arithmetic 6  
 Digit Span 7  
 Information 8  
 Comprehension 9

Performance Tests

Picture Completion 5  
 Coding 2  
 Block Design 5  
 Matrix Reasoning 5  
 Picture Arrangement 7

Veronica's full scale IQ places her at the lower end of the borderline range of adult intellectual functioning. Her performance IQ is actually at a mildly retarded level. Her verbal intelligence is at a dull-normal level. Her most marked limitation appears to be in the area of psychomotor rate of performance and visual memory. She also shows considerable limitation in the areas of alertness to visual detail and abstract visual problem solving. Logical reasoning is also an area of weakness. Her area of strength appears to be the knowledge of social norms and social practices and commonsense judgment. Overall, however, results of the WAIS-III suggest she functions at a borderline range of ability.

Veronica was administered the WRAT-Reading test to assess her word recognition skills. She obtained a score which placed her at a 3rd grade level suggesting that her word recognition ability is extremely limited.

Veronica was administered the Wechsler Memory Scale. Results are as follow:

Auditory Immediate	62 - Extremely Low
Visual Immediate	68 - Extremely Low
Immediate Memory	57 - Extremely Low
Auditory Delayed	74 - Borderline
Visual Delayed	56 - Extremely Low
Auditory Recognition Delayed	75 - Borderline
General Memory	62 - Extremely Low
Working Memory	71 - Borderline

Results of the Wechsler Memory Scale show the claimant's memory function to be within the extremely low range overall. This is consistent with self report and observations of her capability made during the evaluation. She shows fairly marked limitation across all aspects of memory function measured.

Summary and Conclusion

It is the conclusion of the examiner that Veronica Serrette shows a primary diagnosis of Organic Brain Syndrome Secondary to Carbon Monoxide Poisoning. Some Depressive Symptomatology is also noted. Based on information gathered during the assessment, it appears that Veronica shows substantial impairment in her ability to concentrate and attend to tasks. Ability to understand and follow instructions and carry out routine tasks is judged to be substantially Impaired. Ability to relate to others and deal with the general public shows evidence of moderate impairment due to her problems with memory, concentration and ability to sustain attention. Ability to relate to work

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peers and supervisors and tolerate the stresses associated with employment is judged to be substantially impaired. The claimant in her current level of functioning is unable to manage productive employment of any type. She is unable to function independently at this time.

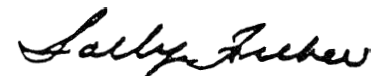
AXIS III:

AXIS IV:

AXIS V:

Traumatic Brain Injury and Subsequent Residuals,  
No. 4, Severe  
Global Assessment of Functioning: 35

Signed :



Sally Felker, Ph.D.  
Psychologist

SF:1m

NAME Veronica Ferrette

## WAIS-III

Verbal IQ 82 Performance Q 68 Full Scale 74Vocabulary 7Picture Completion 5Similarities 5Coding 2Arithmetic 6Block Design 5Digit Span 7Matrix Reasoning 5Information 8Picture Arrangement 7comprehension 9

## WRAT-3

	Raw	Stand.	%ile	Grade	Absolute
Reading	_____	_____	_____	_____	_____
Spelling	_____	_____	_____	_____	_____
Arithmetic	_____	_____	_____	_____	_____





MAR. 8. 2001 2:07PM

DAVIS &amp; YOUNG CLEVELAND, OHIO

PHONE NO. : 216 291 4447

NO. 9550 P. 2

MAR. 07 2001 10:14PM F

**QUALITY OF LIFE IN EPILEPSY INVENTORY: QOLIE-10**

Version 1.0

## Patient Inventory

Patient's Name: VERONICA FERRETTEToday's Date: 10/26/00Gender: ☐ Male ☒ FemaleBirthdate: 6/5/64

Have you completed this questionnaire prior to today's visit?

☐ Yes ☒ No

Score = 28

MD Name: DR. SWARTZ

**Instructions:** Please circle one number for each question. If you are unsure about how to answer a question, please give the best answer you can and write a comment or explanation in the margin. Please feel free to ask someone to assist you if you need help reading or marking this form.

**HOW MUCH OF THE TIME DURING THE PAST 4 WEEKS ...**

- |  | All of the time | Most of the time | Some of the time | A Little of the time | None of the time |
|--|-----------------|------------------|------------------|----------------------|------------------|
| 1. Have you had a lot of energy?   | 1               | 2                | 3                | 4                    | 5                |
| 2. Have you felt downhearted and blue?   | 1               | 2                | 3                | 4                    | 5                |
| 3. Has your epilepsy or anti-epileptic medication caused trouble with driving? | Not at all      | A Little         | Somewhat         | A Lot                | A Great Deal     |
|  | 1               | 2                | 3                | 4                    | 5                |

**DURING THE PAST 4 WEEKS, HOW MUCH HAVE YOU BEEN BOTHERED BY ...**

- |                         | Not At All Bothered | A Little | Somewhat | A Lot | Extremely Bothered |
|-------------------------|---------------------|----------|----------|-------|--------------------|
| 4. Memory difficulties? | 1                   | 2        | 3        | 4     | 5                  |
| 5. Work limitations?    | 1                   | 2        | 3        | 4     | 5                  |
| 6. Social limitations?  | 1                   | 2        | 3        | 4     | 5                  |

PLAINTIFF'S  
EXHIBIT  
4  
Dr. Swartz

## INITIAL ENTRY DATA

## DEMOGRAPHICS

Name: Veronica FerretteDate: 10/26/00

Code: \_\_\_\_\_

Age: 36 y.o.Age of first Seizure: 34 or 352 1/2 yrs ago  
5/98

Living Situation

Independent ☒

With family \_\_\_\_\_

Board &amp; Care \_\_\_\_\_

Indigent \_\_\_\_\_

Average Annual Income: 0-\$5,000 \_\_\_\_\_

\$6-10,000 \_\_\_\_\_

\$11-20,000 \_\_\_\_\_

\$21-\$30,000 \_\_\_\_\_

\$31-\$50,000 \_\_\_\_\_

&gt;\$50,000 \_\_\_\_\_

Employed? (Yes) ☒ (No) \_\_\_\_\_Driver's License? ☒ (Yes) \_\_\_\_\_ (No) \_\_\_\_\_Driving? (Yes) ☒ (No) \_\_\_\_\_

Health Insurance? (Yes) \_\_\_\_\_ (No) \_\_\_\_\_

Type? N/A

## CLINICAL FACTORS

Risk Factors: Head Injury ☒

Duration of LOC \_\_\_\_\_

Date \_\_\_\_\_

Birth injury ☒

Complicated Birth and Delivery \_\_\_\_\_

Delayed Milestones ☒Family history ☒

Which relatives \_\_\_\_\_

Meningoencephalitis ☒

Age \_\_\_\_\_

Other CNS Infections ☒

Age \_\_\_\_\_

Precipitants: EtOH \_\_\_\_\_

Other drugs \_\_\_\_\_

Sleep loss ☒

Stress \_\_\_\_\_

Certain Foods \_\_\_\_\_

Lack of food \_\_\_\_\_

Exercise \_\_\_\_\_

Other Carbon monoxide exposure

Types of Seizures: Absence \_\_\_\_\_

Myoclonic \_\_\_\_\_

Generalized ☒

Simple Partial \_\_\_\_\_

Complex Partial ☒

Secondarily Generalized \_\_\_\_\_

Secondary Generalized \_\_\_\_\_

Seizure frequency, current, of each TYPE:

NUMBER: \_\_\_\_\_

Currently 0 sz x 14 mos.

Seizure frequency, best, of each TYPE

None.

CO → GM SZ - pt. was found having SZ  
 Add'l SZ occurred foll CO exposure  
 No SZ x 14 mos. because pt on med.

GTC  
 had before  
 paramedics  
 found her  
 u.c.  
 Next sz ~ 2  
 wks later

**DURING THE PAST 4 WEEKS, HOW MUCH HAVE YOU BEEN BOTHERED BY ...**

	<b>Not At All Bothered</b>	<b>A Little</b>	<b>Somewhat</b>	<b>A Lot</b>	<b>Extremely Bothered</b>
7. Physical effects of antiepileptic medication?	1	2	3	4	5
8. Mental effects of antiepileptic medication?	1	2	3	4	5

	<b>Not At All Fearful</b>	<b>Mildly Fearful</b>	<b>Moderately Fearful</b>	<b>Very Fearful</b>	<b>Extremely Fearful</b>
9. How fearful are you of having a seizure during the next month?	1	2	3	4	5

10. How has the quality of your life been during the past 4 weeks? That is, how have things been going for you? (Please circle one number)

Very well:  
could hardly be better 1

Pretty Good 2

Good & bad parts  
about equal 3

Pretty bad 4

Very bad:  
could hardly be worse 5

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Patient Notes:

MD Notes:

Medication Notes:

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Development of the QOLIE-8s, QOLIE-31 AND QOLIE-10 inventories was supported by an unrestricted research grant from Wallace Laboratories, and administered by Professional Postgraduate Services, a division of Physicians World Communications Group.

Seizure frequency, worst, of each TYPE: does not remember how many

1. <u>hmv.</u>	Dose: _____
2. _____	Dose: _____
3. _____	Dose: _____
4. _____	Dose: _____
5. _____	Dose: _____
6. _____	Dose: _____

1. Tegaserod  
2. Difenhydramin  
3. Paracetamol  
4. Loesermin (BCP).

Dose: 500 mg/d  
Dose: 1200 mg/d  
Dose: 200 mg q 4h  
Dose: 7/d 20

Examination: Lateralizing \_\_\_\_\_ Abnormal, non-lateralized \_\_\_\_\_ Normal \_\_\_\_\_  
Anticonvulsant Levels: 1. \_\_\_\_\_

EEG: Focal \_\_\_\_\_  
Normal \_\_\_\_\_

3. \_\_\_\_\_  
Generalized Epileptiform \_\_\_\_\_ Diffuse Abnormal \_\_\_\_\_

CT: Normal	Focal, abnormal	Diffuse Abnormal
MRI: Normal	Focal, abnormal	Diffuse Abnormal
PET: Normal	Focal, abnormal	Diffuse Abnormal

CCTV - EEG (If available): TLE \_\_\_\_\_ FLE \_\_\_\_\_ PLE \_\_\_\_\_ Primary Generalized \_\_\_\_\_

Neuropsychometric Tests: Other \_\_\_\_\_ Non-Diagnostic \_\_\_\_\_  
FSIQ \_\_\_\_\_ VIQ \_\_\_\_\_ PIQ \_\_\_\_\_  
Localizing features? Yes \_\_\_\_\_ No \_\_\_\_\_

QOLIE-10 (score) 28  
MMPI (number of abnormal categories) — N/A  
WPSI (" " " ) — N/A

Ab basilar infection - B<sup>ac</sup>. Swartz

**University Hospitals  
Health System**

University Hospitals  
of Cleveland

January 30, 2001

Mr. Henry A. Hentemann, esq  
Davis & Young  
700 Midland Building  
101 Prospect Avenue West  
Cleveland, OH 44115-1027

Attn: Margaret M. Gardner

RE: Veronica Ferrette

Dear Sirs:

I previously (Oct 26, 2000) sent you an independent medical examination report of Ms. Veronica Ferrette based on her neurologic exam and history derived from her and some medical records. I have recently received numerous other copies of medical records and legal documents and have reviewed those as well. Thus, I am sending an expanded IME in which I will try to incorporate what I feel are the significant sources of information. I have independently reviewed two EEG's and an MRI scan. These I have returned to the office of Dr. Harold Mars, as requested. Previously, I had faxed to you my Independent Medical Exam of October 26, 2000. Some of the historical comments made in that will have to be amended with the current information.

**History of Present Illness:** On 5/7/98 the patient was asleep upstairs in her aunt's house. The aunt had left a car running in the garage that was below her bedroom and the patient was found unconscious. There was no note of any seizure activity. The paramedics were called and found the patient breathing with normal vital signs. Given the above-mentioned history of potential carbon monoxide exposure, a blood test for carboxyhemoglobin was drawn at that time. I do not know if it was measured in the field or later in the hospital, but was found to be 300 parts/million or 39.9%, consistent with a moderate to severe level of intoxication. She was taken to Hillcrest Hospital initially and then transferred to St. Vincent's Hospital. A note from Dr. Harold Mars said she had a three hour treatment of hyperbaric oxygen. I could not find a specific description of that in the medical records, but found only a description of 100% O<sub>2</sub> per nasal cannula. I also did not find the pO<sub>2</sub> measured at first contact. She did not require intensive care unit or intubation. Again, there was no report of seizures and she was not given anticonvulsants. She was discharged to home.

The next medical treatment she sought was with her regular psychologist, and psychiatrist, Dr. Iahn. She was being treated for both depression and insomnia by them and was taking Pamelor between 25 and 75 mg per night and Rimeron 1.5 mg and Adivan PRN for sleep or anxiety and additionally, sometimes taking Ambiens for sleep. This was all prior to the incident of carbon

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monoxide exposure. She had numerous neurologic complaints and was referred to Dr. Harold Mars, whom she saw on 6/4/98. At that time, she complained of blurred vision and episodic loss of vision lasting 10 minutes, headaches, exhaustion, photophobia, impaired concentration, decreased memory, impaired balance and speech. Because her main concern appeared to be her vision, Dr. Mars performed a visual evoked potential study, which was normal. She was also being followed regularly by her ostenpath, Dr. Kimball. Dr. Mars had also ordered an EEG, which performed on 6/8/98. His report was normal. My review of the EEG concurs that it was completely normal. This was with hyperventilation photic stimulation. An MRI was obtained on 6/13/98. It was also read as normal. In my review I noted some assymetry in the temporal horns, R > L, which is usually a normal variant. It is a well performed study. She was referred back to Dr. Mars for single episode of left sided jerking followed by weakness of the left side, which persisted. She saw Dr. Morris on 6/22/98 and he began treatment with Tegretol. We saw her again on 7/14/98, at which time she was complaining of being intermittently cold, having problems with hearing, feeling depressed, having difficulties with thinking and intermittent episodes of her left leg giving out.

I noted that in the history that the patient reported to my clinical nurse that she was not sure when the seizures started. However, when I interviewed her she was quite certain that they had started two and a half years ago in May of 1998,

The seizures evidently continued, according to her report, although she was never seen in an emergency room to my chart review knowledge. She was given increasing doses of Tegretol and then Neurontin. When I saw her she was taking 800 mg of Tegretol a day and 1200 mg of Neurontin a day and said that her seizures had been under control for over a year. This was confirmed in a note by Dr. Mars. However, she did report "little seizures" described as impaired coordination, eyelid flutter, head shaking and stuttering. A second EEG had been performed on the patient, I believe in July of 1998. This was also read as normal with hyperventilation and photic stimulation. I reviewed it and again concurred.

When I questioned her about other risk factors for seizures, she denied any history of head trauma, any difficulties with birth, and any family history of seizures or history of febrile convulsions, and denied any history of CNS infections. In reviewing her chart, she was born prematurely, weighing four pounds. Her mother's labor was induced and had been confined to bed with bleeding during the pregnancy. She took DES throughout the pregnancy. She, herself, had jaundice and had to be treated in an incubator with lights to lower the bilirubin for two weeks. Instead of no history of head trauma, she has a history of being assaulted with post-concussive type symptoms (dizziness, blurred vision, headache) although the CT was normal (report of 1/12/99). In a previous lawsuit she claimed to be attacked by some maintenance men for her apartment building, but I did not see a clear description of her injuries (August, 1993). There was one or two CT's done prior to the CO exposure, one of them said it was for "Patient with convulsions being evaluated to rule out a fracture of the left orbit" on the requisition (1/18/96). This would indicate a previous assault and possible prior premorbid seizure condition. This was apparently ordered by Dr. Susan Kimball. Although she has no documented CNS infections, she

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has had a long history of chronic sinusitis with many, many courses of antibiotics. Thus, if I were to list her risk factors for seizures I would say: 1) perinatal injury 2) head trauma 3) carbon monoxide exposure.

In terms of her social history, she was working as a waitress at the time of the accident. She had formerly been a sleep technologist at VA Wade Park. She said she worked as a researcher for Dr. Redline at University Hospitals and at Wade Park. She had quit her job to open her own, private sleep lab, however, there is no mention of her obtaining her Sleep Technology Boards. She had reported to one of the psychological interviewers that she was first author on numerous research articles. Two articles were included for me to review with her name on them. She was third author on one and seventh on the other. This would indicate only a supportive technical role. She attempted to go back to work at Charlie's Crab after the incident. Shortly thereafter, Dr. Mars suggested that she stop working, which she did.

To me, she denied alcohol or cigarette use. However, in reviewing the notes from the ENT physician, one of them strongly suggested that she discontinue smoking to decrease her problems with her sinuses and nasal mucosa. In an MMPI performed as a part of the psychological evaluation in 1995, one of the items that she endorsed was that she had used alcohol excessively.

When I inquired about her past medical history, she denied any other medical problems and reported only taking the Pamelor 200 mg at night, low estrogen birth control pills, one per day. She did not tell me that she had also been treated with Paxil and Prozac in the past for depression. Rimeron, ativan, and ambiens for sleep. In reviewing the medical charts, she had a variety of medical problems.

The significant things I noted in the past medical history (and this may not be a complete list) dated back to her early childhood at Babies and Rainbow Hospital records. She had been brought in for bloody diarrhea in June of 1967 as a three year old. The symptoms resolved upon stopping oral intake of food and rehydration. At that time, no allergies were noted, but her mother reported a family history of a bleeding disorder. She also reported a history regarding her own pregnancy being difficult, that she was given DES during the pregnancy and that Veronica had two months of bleeding per vaginum as a result of this after birth. However, the patient did have a normal PT and PTT. Between the ages of 11½ and 12½ years she had frequent urinary tract infections. No evident etiologies for those were mentioned. That would have been about 1978. She came in with a knee injury due to rough play and was found to have a bruised kneecap on arthroscopy. She was also brought in as a child with low back pain which resolved with physical therapy and Tylenol. I note on one note regarding the knee pain, someone diagnosed condromalacia femoralis. She came in 1974 with a complaint of a fractured nose when a basketball hit her in the face. The exam sounded unremarkable. At that time she complained of many allergies. She had had a rash to penicillin and noted that she got nausea and vomiting from Morphine, Codeine, Darvon and Percodan. It is not clear why she had been given all of these narcotics as a child. Later notes say she has rashes to these agents as well.

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In October of 1988, she presented as a twenty-four year old with chronic right lower quadrant pain. She was suspected to have a 'UTI' based on her history. This was evidently ruled out. She had an ultrasound laproscopy, which was said to be normal. She had an ultrasound, however, with a question of fluid in the abdomen. When her pain did not resolve with antibiotics, she finally ended up going into surgery and having an appendectomy and the dictated report of the appearance was a normal appendix. I did not see any report of pathology.

After this, the majority of notes are with regard to psychologist or psychiatrist visits. However, she did have significant history in 1991 with menorrhagia, metrorrhagia (excess menstrual pain and bleeding) and an evaluation including endometrial biopsy and hormonal levels. Both were normal. In 1992 she again complained of menstrual abnormalities. She was found to have cervical dysplasia. She underwent a cone biopsy. This revealed stage I - IV dysplasia and she was also treated with 5 FU. It was felt that this was due to the mother's DES therapy.

In 1994 she was seen at UFHC Urgent Care Center complaining about blurred vision, headache and dizziness. It was felt that these symptoms were secondary to her sinusitis. She subsequently had numerous visits to Meridia Health Care system in the past year for the same symptoms, which she now attributes to carbon monoxide poisoning. There are fairly extensive notes from ENT physicians regarding her sinuses. She had acute sinusitis nasal obstruction in 1997. It was thought that this was due to chronic allergies and smoking. She had sinus surgery at this time, including the L middle turbinate of the nose. She saw an ENT physician in October of 2000 regarding the same symptoms. The physician, Dr. David Steptic, noted the patient had an underlying predisposition to sinusitis, potentially because of allergic rhinitis and dry mucus. He recommended conservative therapy. He also said that seizure medications can cause dryness and felt these symptoms could be managed with simple nasal hygiene. (I have never heard of this side effect.)

When I inquired about family history, she also denied any problems. Review of various records reveals that she has an uncle who was psychotic or bipolar and an aunt who was severely depressed. Her mother has had a major problem with gambling and other irresponsible behaviors noted by the psychologist. Veronica told another physician that her mother has had oral cancer surgery.

When I went through a review of systems she did talk about having current sinus problems and taking an antibiotic. She complained of problems with thinking, poor memory and concentration, poor ability to express herself and focus her attention. She said that had been constant since the carbon monoxide poisoning. She did not complain of weakness at first.

In terms of psychiatric history, her first notes date back to 1987 when she was first seen by Dr. Iahn. Significant to the history is that she had a very poor upbringing. Her parents got divorced when she was six months old. The mother was too irresponsible and promiscuous to raise her, so she was raised by her grandmother until the age of six, at which time the mother took over, but was superficial and unavailable. She reported that her father was rich, but cold and manipulative



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and that she had had no good male figures in her life. She reported that she floundered in college with a GPA of less than 2.0 for the first two years and with hard work she brought it up to 2.4 total over four years. This is in contrast to other reports in which she stated that she was above a 3.0 in her college years and planned to take the MCAT's and go to medical school. At that time, she also reported that she might be dying of AIDS, although, there was no obvious reason for this statement. Her diagnosis was made first as general anxiety disorder and then amended to major depression. A second psychiatric evaluation was made by Dr. Sandra McPherson in conjunction with a previous law suit that she filed against persons and parties who harassed her regarding the apartment she was living in. At that time, she stated that she had taken the MCAT's and did not do well on them, blaming stress for the poor performance. Dr. McPherson states that she had a 3.6 GPA on Master's studies classes and an undergraduate GPA of 3.2. It is not clear what the source of this information was. The MMPI was administered and showed very high levels of fear, anxiety and depression. It is not clear if Dr. McPherson had access to the previous psychiatrist's notes at that time.

The second neuropsychological evaluation was performed in relationship to the current law suit. She reported her seizures as being under control for four months at the time of the testing which was done January, 2000. You have her long report, basically she was impaired in *every* domain of cognition tested. Most seriously, on executive dysfunction, but also in visual spatial skills. She had poor memory, primarily verbal, which was related to poor attention, organization and more noticeable with difficult material. She still showed serious depression, as she had earlier. Dr. McPherson concluded that all of these symptoms were due to the carbon monoxide poisoning, having she found no indication of cognitive dysfunction before May of 1998. She was entered into an occupational therapy program and, in fact, was still in it, I believe, when I saw her. The reports I have from that program of November, 2000 show a very serious and nearly complete problem with things like reading, drawing, paying attention and doing simple calculations with very little ability to improve with practice or focusing. Some later notes in December indicate arriving at appointments late and not doing her homework, although she was able to improve performance with instruction.

I performed a complete neurologic examination, which was sent to you earlier. I will point out the pertinent observations. First of all, Ms. Ferrette was spontaneous, and not guarded in her responses to questions. She was cooperative and did not seem hostile. On mental status testing, she was normal in terms of speech and language. In testing memory, she registered five out of five pictures with only two tries and after five minutes remembered four out of five spontaneously and one with a cue. In terms of verbal memory, she registered five out of five with only one try and recalled three out of five after five minutes spontaneously and one with a cue. She was a bit slower in her responses to the verbal items. This may indicate some mild impairment in verbal memory, but certainly is consistent with other patients I have who are performing fairly high level jobs and leading normal lives. She knew the presidents down to Reagan, although she needed a cue to get his name. She remembered her previous physicians' names. She was able to do calculations fairly rapidly in her head, including double digit ones and irregular ones. Tests of attention, including the tapping test and the A Test were accurate. Digit span was also intact,

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seven numbers forward, five numbers backwards. She did not seem to comprehend the Trails B test. She connected all of the numbers and then connected all of the letters when I asked what she was going to do with the letters. She switched hands in the middle of the A Test, which is not counted as a mistake. It was not clear why she would do this. Overall, to office based testing she had intact attention with a very slight decrease in memory and executive function.

Cranial nerves were basically intact. On motor exam, she had no real weakness on her exam. She gave way on the left upper extremity, which means that rather making a sustained effort, she simply lets the limb go. (Dr. Mars notes had also mentioned "give way" weakness.) I had seen her walk into the examination area and she had a normal gait. However, when I tested her gait, she could toe walk and tandem walk and had normal arm swings, but had a bizarre movement of her left leg when she was heel walking. She would supinate it and pronate it in a shuffling way as she walked. This maneuver requires a good deal more motor control and balance than the test I was asking her to do. So, it does not indicate a true dysfunction. The Luria Test tests looks at premotor function. It is a series of sequential hand movements and she actually performed this better on her "impaired side", the left, than on the right. On the right she was accurate, but a bit slower. She had no cerebellar findings. Sensory exam was inconsistent and nonphysiologic for intracranial pathology. (She said the pin was decreased in the left leg, but increased in the left arm.) Deep tendon reflexes were symmetric. She had flexor plantar responses and no cortical release signs. These findings indicate a lack of one of the types of lesions expected with carbon monoxide intoxication. Also lacking were any extra-pyramidal system (basal ganglia) signs, such as cogwheeling, bradykinesia, masked facies.

Because of the discrepancy in her observed and tested gait, I performed a test in which she is asked to raise her leg off the bed. This requires the effort of extension at the hip opposite the leg that is being raised. She had difficulty raising her left leg although she did do it. She raised her right leg normally. With my hand placed beneath her upper thigh during these maneuvers, I could assess that she made a greater effort to raise her right leg than her left.

I have been asked to give my opinion as to whether any or all of the patient's current complaints are related to carbon monoxide poisoning. I am quite certain that the "seizures" she complains of are not. In fact, I seriously doubt whether she is having any seizures or whether she ever had any seizures. Carbon monoxide is known to produce diffuse cortical dysfunction, but particularly the basal ganglia are involved. If she were to have carbon monoxide induced seizures, which occasionally happens in very severe cases, two things would be different than her case: 1) She would have generalized (eg. - tonic-clonic) seizures, associated with diffuse cortical damage. 2) There would be clear MRI changes. Neither of these is the case. 3) She would likely have an abnormal EEG, although this would best be determined by prolonged monitoring. Focal onset seizures may rarely be seen in carbon monoxide poisoning, but just as with other diffuse insults, the focal nature of the seizure, indicates that there is a focal component of brain damage that is incidental to the insult in question or only peripherally related. Again, in most cases this would be detected with the MRI or EEG. This should have been tested long ago by bringing the patient in for video-EEG monitoring, taking her off anticonvulsant medications, and seeing if, in fact, any of

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these events really are seizures, as it may be harmful to continue her on anti-convulsant medication if she doesn't need them.

In terms of some of her other complaints, I find no objective evidence that she has weakness on the left. The type of weakness she demonstrates was feigned as was the gait. Although the patient complains of a left sided problem, which would indicate some right hemisphere dysfunction, if anything, her right hemisphere functions were more intact than the left with respect to the Luria premotor cortex test, with respect to her associated movements of the arms, and with respect to the memory testing. However, these subtle findings, such as hers, are not unusual in intact individuals. She may have had a slight decrease in her left nasal labial fold, which probably relates to a premorbid facial asymmetry that most of us have.

There is another important point to the history. The patient has presented herself as having no risk factors for any neurologic problems such as seizures, and yet, in fact, she was a premature baby born at four pounds suffering icterus who had to be in an incubator for two weeks. The mother was bed ridden with her pregnancy and was bleeding per vaginum. So, she probably had placenta previa and she was given DES. All of these are risk factors in childhood, teenage and even adult years for the development of seizures, as well as for some cognitive difficulties. Thus, even if she does have seizures, they could just have easily been from prenatal insult. She has also had several head traumas, although I doubt these were significant since she never lost consciousness. So, in my opinion, the most likely diagnosis in this patient is non-epileptic form of seizures or pseudo-seizures, which are produced in a spectrum of disorders ranging from conversion to malingering or factitious disorder or hypochondriasis. Although I am not a psychiatrist, the patient certainly has a wealth of doctors and emergency room visits for a variety of relatively minor complaints both before and after the carbon monoxide exposure. She even had an abdominal surgery which was not clearly necessary according to the operative report. She may, therefore, be at risk for the development of additional physical symptoms with any physical or emotional stress.

In terms of her "dementia", she actually performed very well on my testing. I recognize that some of her deficits were in the area of more complex operations according to the testing of Dr. McPherson. Nevertheless, she does not show a consistent pattern of deficits to account for the rather severe and gross problems that have been reported both by her and by the occupational therapist she has been seeing.

When a neurologist tries to assess whether a patient really has neurologic deficits or seizures, we frequently need to make an assessment of the patient's general mental status and emotional state from the history. Clearly by the history, this is somebody who has had ongoing emotional and psychological problems, who has portrayed herself as being a pre-medical student with a GPA of 3.5 to 3.6, although her undergraduate GPA according to a much earlier note said 2.2 to 2.4. I believe she is somebody who has struggled with a bad home environment and a desire to achieve, but never really had the emotional skills to do so. While she says she was preparing to start her own sleep business, no documentation of this, by way of contracts, equipment purchases, investor

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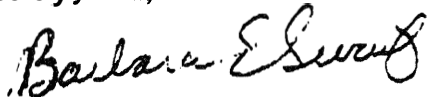
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inputs, etc, were given in the numerous materials I reviewed. Actually she was working at Charley's Crab, where in 1997, she was making errors requiring counseling by her supervisor. Her ambition may have exceeded her abilities.

The question must always be asked: Can carbon monoxide cause all these symptoms? Since it can cause a plethora of neurologic and psychiatric symptoms, the answer is yes. Did it cause the extreme state of dysfunction that she describes today? I believe the answer is no. It would be very unusual to be so disturbed in her cognitive abilities in the face of two perfectly normal EEGs and a normal MRI. On the other hand, somebody who has a significant psychological and emotional problem will perform very badly on tests that she is given in a cognitive battery. Not to mention, people can perform badly if they want to. Thus, my overall assessment is that the patient does not have a neurologic deficit at all. She probably does not have a seizure disorder. While I am 95% certain of the latter, it is a diagnosis of exclusion and she should have video-EEG monitoring and possibly even a PET scan by now to turn over every stone. She may have some minor neurocognitive problems which do not seem to be enough to account for her extreme level of dysfunction and which could represent a premorbid condition.

If you have further questions, please do not hesitate to call (216-844-3714).

Sincerely yours,



Barbara E. Swartz, MD, PhD  
Director, Comprehensive Epilepsy Program  
University Hospitals of Cleveland

ADDITIONAL COMMENTS:

Energetic. Relates superbly to participants. Willing to work unusual hours. Display caring concern.

RECEIVED

JAN 09 1995

ADMINISTRATIVE SERVICES  
SCHOOL OF MANAGEMENT  
BASED ON A REVIEW OF THE EMPLOYEE'S PERFORMANCE IN RELATION TO THE ATTACHED POSITION DESCRIPTION

1. PLEASE RATE OVERALL PERFORMANCE:

SUPERVISOR'S OVERALL RATING

- ☒ **Outstanding**  
Performance is clearly outstanding and results obtained are far in excess of requirements.
- ☐ **Good**  
Performance consistently exceeds the requirements of the position in all respects.
- ☐ **Satisfactory**  
Performance is satisfactory, acceptable and meets requirements in most respects.
- ☐ **Improvement Needed**  
Performance is somewhat below expected levels of accomplishment on one or more major requirements.
- ☐ **Marginal**  
Performance is seriously deficient.

D.O.M. PERSONNEL  
RECEIVED

DEC 20 1994

ANSE DUB 12/20/94

2. Capable of increased responsibility ☐ YES ☐ NO Now ☐ In the future ☐

3. RETAIN AT PRESENT SALARY: ☐ YES ☐ NO

4. PRESENT ANNUAL SALARY \$ 25,401  
\$26,670.00 New Salary

RECOMMENDED INCREASE \$ 1270.00 YR. (5%)

EFFECTIVE DATE 12-1-94

I HAVE READ THIS REVIEW FORM, AND THE ATTACHED POSITION DESCRIPTION AND MY PERFORMANCE HAS BEEN DISCUSSED WITH ME.

DEC 20 1994

Vernice Grace Turner  
EMPLOYEE SIGNATURE  
(DOES NOT IMPLY AGREEMENT OR DISAGREEMENT)

☐ CHECK HERE IF REVISIONS HAVE BEEN MADE TO THE POSITION DESCRIPTION

RATED BY: SUPERVISOR

[Signature]

DATE

12/18/94

APPROVALS

[Signature]

DATE

12/21/94

RESOURCES

[Signature]

DATE

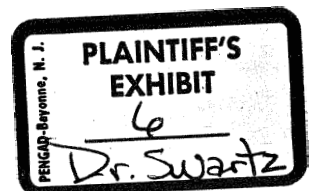
1/13/95

HUMAN RESOURCES

DATE

SEND THIS FORM WITH THE ATTACHED UPDATED POSITION DESCRIPTION TO THE NEXT PERSON ON THE ROUTING.

NO SALARY CHANGES WILL BE PROCESSED WITHOUT THE EMPLOYEE'S SIGNATURE ON THIS FORM.



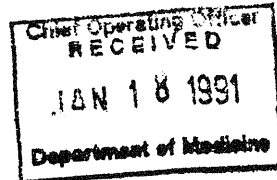
RECEIVED JAN 23 1991

JAN 16 1991

Routing:

1. Department Head  
2. Student Employment  
3. Human Resources

ANSD

CASE WESTERN RESERVE UNIVERSITY  
TEMPORARY EMPLOYMENT REQUISITION

This form should be routed to Student Employment. If no student is available and qualified to fill the position, this requisition will be forwarded to the Human Resources Department for necessary action.

Department Medicine - UH (PL/C) Home Dept. 1710  
Acct. No. 641 - 1710 - 2426 Data 1/10/91  
Job Title Research/Sleep Technician \*Proposed Acct No # 642-1710-7947 OK by a supervisor  
Hourly Rate 10.50 Hours 40  
per Week 40  
\*May not be outside University guidelines

Indicate period of employment and ending date 1/7/91 - 7/1/91

Give brief but specific and complete job description indicating all special requirements (such as clerical or technical skills) and other pertinent facts relative to the job. Additional information may be requested.

To collect a variety of physiological and anthropometric data in a field setting (subject's homes in Greater Cleveland) and to enter these data in a computer file. To oversee 2 overnight polysomnographic sleep studies (in-hospital).  
Requires a car and driver's license.

Could this position be filled by a student? No If not, explain

The requirement for overnight sleep studies and traveling would make it difficult for a student to fulfill

Do you have a particular person in mind for this job? Yes If so, please give name & social security number. YOU MAY NOT MAKE ANY COMMITMENT TO THIS INDIVIDUAL WITHOUT APPROVAL FROM STUDENT EMPLOYMENT OR HUMAN RESOURCES.

Veronica Ferrette - 285-68-3509

Requested by:

Employee Supervisor

Extension: 844-5367

Approved by:

Department Head

Student Available

Yes  
No

Student Employment release to hire non-student

rev. 7/86

fax 368-4678

