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STATE OF OHIO) SS:
COUNTY OF LORAIN)
IN THE COURT OF COMMON PLEAS

*
*
GARY DIEDERICH, ET AL
*
*
*
Plaintiffs
*
*
vs.
* Case No.
*
DENNIS CARSON, M.D., ET AL
* 98CV17126
*
Defendants
*

COPY

Deposition of ROY G. BROWER, M.D.
Linthicum, Maryland
Wednesday, April 19, 2000
2:30 p.m.

Job No.: 685-1
Pages 1 - 198
Reported by: Martha L. Lees

DEPOSITION OF ROY G. BROWER, M.D.
CONDUCTED ON WEDNESDAY, APRIL 19, 2000

1 Deposition of ROY G. BROWER, M.D.,
2 held at the offices of:

3
4 COURTYARD MARRIOTT AT BWI AIRPORT
5 1671 West Nursery Road
6 Meeting Room A
7 Linthicum, Maryland

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11
12 Pursuant to notice, before Martha.L. Lees,
13 a Notary Public in and for the
14 State of Maryland.

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22

DEPOSITION OF ROY G. BROWER, M.D.
CONDUCTED ON WEDNESDAY, APRIL 19, 2000

A P P E A R A N C E S

ON BEHALF OF THE PLAINTIFFS:

BY: DONNA TAYLOR-KOLIS
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ON BEHALF OF THE DEFENDANT:

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DEPOSITION OF ROY G. BROWER, M.D.
CONDUCTED ON WEDNESDAY, APRIL 19, 2000

1 ON BEHALF OF THE DEFENDANT:

2 BY: JOHN R. SCOTT, ESQUIRE
3 REMINGER & REMINGER CO., LPA
4 113 St. Clair Building
5 Cleveland, Ohio 44114
6
7
8
9

10 Also Present: Dennis Carson, M.D.
11
12
13
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CONDUCTED ON WEDNESDAY, APRIL 19, 2000

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CONDUCTED ON WEDNESDAY, APRIL 19, 2000

1

2

P R O C E E D I N G S

3

ROY G. BROWER, M.D.,

4

having been duly sworn, testified as

5

follows:

6

EXAMINATION BY COUNSEL FOR THE DEFENDANT

7

BY MR. POLITO:

8

Q Let the record reflect that this is the

9

discovery deposition of Dr. Roy Brower as taken

10

under cross-examination by the defendant.

11

This deposition is taken pursuant to

12

agreement of counsel.

13

MR. POLITO: And, Donna, if you need a

14

waiver of any defect of notice of services of

15

this deposition.

16

MS. TAYLOR-KOLIS: That is correct.

17

MR. POLITO: Okay.

18

BY MR. POLITO:

19

Q Dr. Brower, my name is John Polito. I

20

represent Dr. Carson in this lawsuit along with

21

John Scott. I'm going to be asking you a series

22

of questions regarding your opinions in this case.

DEPOSITION OF ROY G. BROWER, M.D.
CONDUCTED ON WEDNESDAY, APRIL 19, 2000

1 If at any time you don't understand one of my
2 questions, you tell me, okay?

3 A Yes.

4 Q But if you answer one of my questions,
5 I'm going to assume you understood it and rely on
6 your answer. Fair enough?

7 A Yes.

8 Q Donna has probably already gone over the
9 ground rules with you, but you're going to have to
10 wait before answering until I'm done with my
11 question. Okay?

12 A Yes.

13 Q And we both can't talk at the same time
14 because the court reporter can't take us talking
15 at the same time. Okay?

16 A Yes.

17 Q If at any time during this deposition you
18 want to take a break, you just let me know. Okay?

19 A Yes.

20 Q One thing I'd ask you to do is speak
21 loudly so everybody in the room can hear. Fair
22 enough?

DEPOSITION OF ROY G. BROWER, M.D.
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1 A Yes.

2 Q Would you please state your full name for
3 the record, please?

4 A Roy Brower.

5 Q What is your home address, Doctor?

6 A 10 Dulaney Gate Court, Cockeysville
7 Maryland 21030.

8 Q And your business address?

9 A Johns Hopkins Hospital, 600 North Wolfe
10 Street, Blalock 910, Baltimore, Maryland 21287.

11 Q You sent your report on your home address
12 letterhead, true?

13 A I don't think I put it on my business
14 letterhead. I don't have a home address
15 letterhead.

16 Q No, but in terms of the address --

17 A Yes.

18 Q -- in your report, you used your home
19 address, correct?

20 A Yes.

21 Q You didn't use your John Hopkins address,
22 did you, on either report?

DEPOSITION OF ROY G. BROWER, M.D.
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1 A I don't think I did.

2 Q Take a look and you can confirm it for
3 yourself.

4 A (Witness complies.) That's correct. I
5 put my home address there.

6 Q What is your date of birth, sir?

7 A June 17th, 1950.

8 Q Social Security number?

9 A 110-38-0522.

10 Q Doctor, I've had marked for
11 identification purposes a copy of CV. If you take
12 a look at it, that CV, and tell me indeed is that
13 CV current.

14 MS. TAYLOR-KOLIS: John, I think --

15 MR. POLITO: It should be at the top. I
16 had them in order.

17 THE WITNESS: Well, I rearranged them
18 anticipating a different sequence. There's a
19 date, April 5th, 2000, which is the last time
20 I made an attempt to update it.

21 BY MR. POLITO:

22 Q Is there any additions, deletions you

DEPOSITION OF ROY G. BROWER, M.D.
CONDUCTED ON WEDNESDAY, APRIL 19, 2000

1 want to make to that CV?

2 A I don't think anything important for
3 these purposes.

4 Q What you may consider important and I
5 might -- be important are two different things.
6 So I need to know if there's any additions or
7 deletions or corrections you want to make to that
8 CV.

9 A No.

10 Q Doctor, do you practice medicine with any
11 other physicians?

12 A Yes.

13 Q How many? Do you practice in a group?

14 A Well, I am member of a group of pulmonary
15 and critical care physicians. That group is
16 approximately 25 in number, plus a bunch of Ph.Ds
17 who do clinic work and then the department of
18 medicine which has over 300 members.

19 Q But the group you actually practice with
20 are pulmonary critical care physicians, true?

21 A Yes.

22 Q Okay. In the group you practice, are

DEPOSITION OF ROY G. BROWER, M.D.
CONDUCTED ON WEDNESDAY, APRIL 19, 2000

1 there any family practitioners?

2 A No.

3 Q Any internists?

4 A We are all internists.

5 Q Okay. But you practice internal medicine
6 specifically as opposed to pulmonary and critical
7 care?

8 A Critical care internal medicine is
9 very -- it will be based in internal medicine. I
10 think if I said no, I'm not accurate.

11 Q Okay.

12 A Especially in critical care medicine;
13 that's all internal medicine.

14 Q Describe your practice for me though.

15 A Well, in the last several years my
16 practice has gravitated to intensive care. Prior
17 to the last several years, I had a more balanced
18 practice with some ambulatory medicine, seeing
19 primarily patients with respiratory disease.

20 But it's fair to say most of these
21 patients have other problems as well, which is why
22 I didn't want to agree that I don't do internal

DEPOSITION OF ROY G. BROWER, M.D.
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1 medicine, and the last several years almost all of
2 my practice is in the intensive care unit.

3 Q So currently, Doctor, how much of your
4 practice is devoted to intensive care work?

5 A My clinical practice, I'll estimate
6 85 percent.

7 Q What's the remaining 15 percent?

8 A I do some consultation work in the
9 oncology center and bronchoscopy and pulmonary
10 physiology.

11 Q So in terms of currently, Doctor, none of
12 your work is currently in dealing with primary
13 internal care medicine, true?

14 A I think that's accurate in relation to
15 how most people interpret the term.

16 Q You've never practiced as a family
17 practitioner, have you, Doctor?

18 A For two years I worked in the Indian
19 Health Service in the -- reservation and during
20 that time I was in the adults family practice.

21 Q What year was that, Doctor?

22 A 1979 through 1981.

DEPOSITION OF ROY G. BROWER, M.D.
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1 Q So it's fair to say then since 1981
2 you've not practiced family practice medicine,
3 true?

4 A Correct.

5 Q I want to go back to -- you said -- what
6 part of your current practice is clinical
7 medicine?

8 A Could you restate that? Do you mean what
9 percentage of my time, my --

10 Q Well, I've reviewed other transcripts of
11 yours that you've given in other cases and I just
12 want to figure out how much time is devoted to
13 research, how much time is devoted to
14 administrative work, how much is devoted to
15 clinical practice of medicine, how much is
16 involved in teaching.

17 A Okay.

18 Q If you could break that down for me?

19 A I'll estimate I'm spending 35 to
20 40 percent of my time doing clinical work,
21 30 percent of my time doing research, which is in
22 the intensive care unit, a clinical environment,

DEPOSITION OF ROY G. BROWER, M.D.
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1 and another 80 percent of my time teaching and
2 administrative work.

3 Q How much is teaching?

4 A I'm sorry about the humor there. After
5 the clinical and research work, the balance is
6 teaching and administrative.

7 Q How does it break down? So out of the
8 anywhere from 25 percent to 30 percent, how much
9 of that is teaching and how much of it is
10 administration?

11 A I would say half and half.

12 (Short break taken.)

13 BY MR. POLITO:

14 Q Do you hold yourself, Doctor, out as an
15 expert in any other field other than internal
16 medicine, pulmonary medicine and critical care
17 medicine?

18 A No.

19 Q Have you ever practiced occupational
20 medicine?

21 A No.

22 Q Are you familiar with the standards of

DEPOSITION OF ROY G. BROWER, M.D.
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1 care as they relate to family practitioners?

2 A In relation to this particular case, I'm
3 comfortable with that. So I'll say yes.

4 Q So in other cases, you might not be
5 comfortable in testifying against a family doc?

6 A Yes.

7 Q How much of your current time is spent in
8 the office, Doctor, seeing patients?

9 A When you say the office, do you mean in
10 the clinical environment seeing patients or an
11 ambulatory office?

12 Q Well, I thinking of doctors having
13 offices where patients come and see them in an
14 office such as Dr. Carson, I want to know how
15 much of your time is spent seeing patients in that
16 type of setting currently.

17 A I don't have an ambulatory practice. So
18 if an office is an ambulatory practice where
19 patients walk in and walk out, the answer is zero.

20 Q When is the last time you had an
21 ambulatory practice, Doctor?

22 A It's approximately ten years ago; ten or

DEPOSITION OF ROY G. BROWER, M.D.
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1 eleven years ago.

2 Q When was the last time you saw a patient
3 as a primary care physician such as Dr. Carson?

4 A That would be in 1981 when I left the
5 Indian Health Service.

6 Q What percentage of your practice is
7 referrals from other physicians?

8 A I'll estimate 50 percent of the patients
9 who I take care of are -- have been previously
10 cared for by another physician, and I'll work with
11 that physician in that context. And the other
12 50 percent, there's no such physician.

13 Q Okay. Currently, Doctor, do you have any
14 active patients that are your patients?

15 A At this moment?

16 Q Yeah.

17 A No.

18 Q Doctor, in your practice do you order
19 chest x-rays?

20 A Yes.

21 Q Do you interpret your own chest x-rays?

22 A I look at all the x-rays, yes.

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1 Q Do you feel comfortable with reading
2 chest x-rays?

3 A Yes.

4 Q You would agree though, however, that
5 many physicians like Dr. Carson may rely on
6 radiologists for interpretations of x-rays?

7 A I agree.

8 Q And that's entirely appropriate to do?

9 A Yes.

10 Q Doctor, I note in -- that you have some
11 publications in your CV?

12 A Yes.

13 Q Do any of them deal with the subject
14 matter in this case?

15 A I think I have a couple of articles or
16 chapters dealing with asthma, cardiopulmonary
17 interactions in asthma.

18 The subject matter of that material
19 is not very important to this case.

20 Q If you could tell me which articles
21 you're referring to and if there's a number, I
22 would appreciate it.

DEPOSITION OF ROY G. BROWER, M.D.
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1 MR. POLITO: Off the record.

2 (Discussion off the record.)

3 THE WITNESS: I'm going to look one more
4 time. I'm not surprised if it's not here.

5 MR. POLITO: Off the record.

6 (Discussion off the record.)

7 THE WITNESS: I can't find it, but I'll
8 be happy to get that for you.

9 MR. POLITO: If you could supply that to
10 Donna.

11 THE WITNESS: Sure.

12 MR. POLITO: I appreciate it.

13 THE WITNESS: I'll make a note to myself.

14 MS. TAYLOR-KOLIS: That's okay. I keep a
15 sheet of whatever we promise.

16 BY MR. POLITO:

17 Q Doctor, have you ever written on this
18 subject of hard metal disease?

19 A No.

20 Q And by that, do you understand that among
21 hard metal, it was exposure to cobalt and
22 tungsten?

DEPOSITION OF ROY G. BROWER, M.D.
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1 A Yes, I understand that.

2 Q And you've never written on that subject?

3 A Correct.

4 Q Have you given any lectures on this
5 subject of asthma?

6 A I think I probably have given some
7 lectures to medical students years ago.

8 Q Do you have any type of notes or handouts
9 from those lectures?

10 A No.

11 Q Have you ever given a lecture on the
12 subject of hard metal disease?

13 A No.

14 Q Doctor, if I wanted to go to an
15 authoritative textbook on the subject of asthma,
16 could you refer me to one or a couple?

17 A The term authoritative I know is an
18 important one here and I'm not sure what it means.
19 There's lots of good textbooks with good chapters
20 about asthma.

21 Q I noticed in your own file you went to
22 various articles. Are the articles that you

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1 pulled up there authoritative on the subject of
2 this case?

3 A Can you give me a definition of
4 authoritative?

5 Q What do you understand it to be?

6 A I don't understand it in this context.

7 Q Something that you would look at and rely
8 on?

9 A Rely on? I would look at it with the
10 purpose of getting some enlightenment and would
11 also probably look at it with a healthy level of
12 skepticism.

13 Q So are you telling me then there's no
14 literature then you would rely on to help you on
15 the subject of either asthma or hard metal
16 disease?

17 A No. I just -- maybe you're substituting
18 a word relying for authoritative, and I'm not sure
19 where the term is going and what it means here. I
20 do look at numerous textbooks from time to time on
21 various subjects including asthma.

22 Q Okay. If you wanted to go to a textbook,

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1 Doctor, what textbook would you go to look at if
2 you wanted to look up asthma?

3 A A good textbook in pulmonary critical
4 care is authored by Murray and Nadel. Another
5 good one by Alfred Fischman.

6 I have critical care textbooks on my
7 bookshelves and they have commentary about asthma.
8 My favorite is edited by an intensivist named
9 Rippe, R-I-P-P-E. Another good one is edited by
10 Sevetta. Another good one by Paul, Schmidt and
11 Wood.

1.2 Q I'm sorry, what was the last one?

13 A Paul, Schmidt and Wood. Three editors.

14 Q Am I to understand the first two are
15 pulmonar, care textbooks?

16 A Yes.

17 Q And the last three are critical care
18 textbooks?

19 A Yeah.

20 Q Where would a -- how about -- give me a
21 family practice textbook that Dr. Carson --

22 A In think internal medicine textbooks are

DEPOSITION OF ROY G. BROWER, M.D.
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1 widely available, and I suspect many family
2 practitioners will use them. And a good bread and
3 butter textbook in internal medicine is by
4 Harrison and another one by Stein.

5 Q 'Do you subscribe to any journals dealing
6 with family practice?

7 A No.

8 Q Have you ever?

9 A No.

10 Q Do you subscribe to any journals in
11 internal medicine?

12 A New England Journal of Medicine.

13 Q Anything else?

1.4 A No.

15 Q Do you subscribe to any occupational
16 medicine journals?

17 A No.

18 Q Can you tell me any occupational medicine
19 textbooks you would go to on the subject of hard
20 metal disease?

21 A Well, I looked at a couple of
22 occupational textbooks, and if you like, I can

DEPOSITION OF ROY G. BROWER, M.D.
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1 tell you those.

2 Q You looked at it for this case?

3 A Yes.

4 Q Why did you do that?

5 A So I would have some more familiarity
6 with the problem that the patient is thought to
7 have.

8 Q You didn't have it prior to then?

9 A Very little. There's a recent text
10 edited by Dr. Rom, R-O-M. It's entitled
11 Environmental and Occupational Medicine. Another
12 source I looked at, a text edited by Raymond
13 Parkes, P-A-R-K-E-S, entitled Occupational Lung
14 Disorders.

15 Q Doctor, how do you define standard of
16 care?

17 A I'd say it's a level of care that a group
18 of physicians would agree upon is an acceptable
19 level of care.

20 Q In one of your transcripts you define
21 standard of care as defined by people with similar
22 levels of training and experience working with

DEPOSITION OF ROY G. BROWER, M.D.
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1 similar levels of resources.

2 Do you stand by that definition?

3 A I think I would stand by that. I think
4 that was pretty good, by the way.

5 Q Do you know anything at all about
6 Dr. Carson's training and education and experience
7 or his resources that he has available to him?

8 A Well, here's what I think I know. I
9 believe he completed medical school and residency
10 in family medicine and that his -- I gather from
11 his medical records that I reviewed in preparation
12 for this case that his practice is primarily
13 office-based practice where patients are
1.4 ambulatory.

15 Q As opposed to yours which is not
16 ambulatory?

17 A Correct. With respect to resources
18 available, I think -- you know, in the United
19 States, of course, communications are so easy,
20 libraries, subscriptions, textbooks and so on are
21 so readily available, so I'd assume that those
22 resources are available to Dr. Carson.

DEPOSITION OF ROY G. BROWER, M.D.
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1 Q At the time you wrote your initial
2 report, did you have any familiarity with his
3 training and education and experience?

4 A I don't think I had that familiarity at
5 the time. I don't think I -- I don't think so.

6 Q From your review of Dr. Carson's
7 deposition, did you find him to be well educated
8 and well trained and appear to be a capable and
9 conscientious physician?

10 A Would you -- there are several things
11 there. Can we go in one by one?

12 Q Sure. Well educated?

13 A I have no problem with the education.

14 Q Well trained?

15 A I guess a similar thing. Yes, no
16 problem.

17 Q Appear to be a capable and conscientious
18 physician?

19 A I think so, yes. The only hesitation
20 there is I'm only limited to the medical records
21 that I have based on those.

22 Q You also had his deposition as well,

DEPOSITION OF ROY G. BROWER, M.D.
CONDUCTED ON WEDNESDAY, APRIL 19, 2000

1 true?

2 A Yes.

3 Q Doctor, you agree when practicing
4 medicine you have to look at it prospectively,
5 true?

6 A Yes.

7 Q It's much easier for doctors to have
8 looked at it from a retrospective standpoint,
9 true?

10 A Yes. By this I think you mean I should
11 not try to use any information that was ultimately
12 available in terms of diagnosis and then
13 retrospectively criticize him.

14 Q Correct.

15 A I agree with that.

16 Q You knew, Doctor, when you got this case,
17 what the patient was ultimately diagnosed with,
18 true?

19 A Yes.

20 Q So as you began reviewing Dr. Carson's
21 records, you already knew the end of the story,
22 true?

DEPOSITION OF ROY G. BROWER, M.D.
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1 A Yes.

2 Q Dr. Carson didn't have the benefit of
3 that, did he?

4 A No. In relation to where I think your
5 suggesting with the last couple of questions, I
6 will be happy to get into the detail of the visits
7 and explain why I'm giving the opinion I have
8 independent of any knowledge of the ultimate
9 outcome.

10 MS. TAYLOR-KOLIS: Don't worry. He just
11 likes to ask that question.

12 THE WITNESS: I just want to --
13 BY MR. POLITO:

14 Q So the record is clear, Doctor, you knew
15 as you were reviewing all the records of this
16 physician (Indicating), you knew the end of the
17 story, true?

18 A Correct.

19 Q What does nonspecific symptom mean,
20 Doctor?

21 A It's a symptom that's associated with
22 several different problems. It's not specific or

DEPOSITION OF ROY G. BROWER, M.D.
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1 uniquely associated with one problem.

2 Q Doctor, when were you first contacted in
3 this case --

4 MS. TAYLOR-KOLIS: You can use your
5 correspondence file.

6 THE WITNESS: Yeah, I would have to look
7 back --

8 MR. POLITO: Go ahead.

9 THE WITNESS: -- to see when I was first
10 contacted. I think I will have to find the
11 letter, the cover letter --

12 MR. POLITO: They are in there, Doctor.
13 They are in there.

14 MS. TAYLOR-KOLIS: I think that might be
15 it. We shouldn't think these are all the
16 letters --

17 THE WITNESS: Well, there's a letter
18 dated July 31st, 1998 and this is the cover
19 letter that came with the three-ring binder
20 with the medical records.

21 BY MR. POLITO:

22 Q So what you're referring to is Exhibit 5?

DEPOSITION OF ROY G. BROWER, M.D.
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1 A Yes.

2 Q Okay. And it came along with Exhibit 12?

3 A Yes.

4 Q Okay.

5 A And this is not the first contact with
6 Ms. Kolis because she called me on the phone, I'm
7 pretty sure. Well, I'm certain, and asked me if I
8 would have a look at this case.

9 Q Did she tell you what the case was about
10 in a nutshell?

11 A I don't honestly remember, but it's hard
12 to imagine I would have agreed to look at the case
13 without her telling me. So, yes, I'm virtually
14 certain.

15 Q Would it be fair to state that it's
16 virtually certain that before you even looked at
17 any of the records, you already knew that the man
18 was ultimately diagnosed with hard metal disease?

19 A I think that's probably true.

20 Q Okay. Have you ever reviewed any other
21 cases for Ms. Kolis?

22 A No.

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1 Q Do you know how she got your name?

2 A She explained to me that she got my name
3 from some compilation of medical directors of
4 residency programs.

5 MS. TAYLOR-KOLIS: GMAD. Go ahead.

6 BY MR. POLITO:

7 Q Other than this case, have you reviewed
8 any other cases for Ms. Kolis?

9 A No.

10 Q What were you asked to do, Doctor?

11 A Well, I don't have a distinct
12 recollection of our conversation in terms of what
13 I was asked so do, but I undertook the case for
14 the purpose of giving an opinion --

15 Q Okay.

16 A -- about whether there was a problem in
17 the management of the patient.

18 Q And specifically you were asked to review
19 Dr. Carson's care?

20 A Yes.

21 Q Were you asked to review Dr. Leano's
22 care?

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1 A No.

2 Q Were you asked to review Dr. Arora's
3 care?

4 A No.

5 Q Were you asked to review Dr. Dacha's
6 care?

7 A No.

8 Q Were you asked to review the care
9 rendered by the emergency room physician at Elyria
10 Memorial Hospital?

11 A No.

12 Q The only care you were asked to review in
13 this case was the care rendered by this physician,
14 Dr. Carson?

15 A I think that's right.

16 Q Were you asked to review whether or not
17 Gary Diederich was in any way responsible for his
18 own disease?

19 A I don't think I was asked to comment on
20 that.

21 Q So the sole thing you were asked to do by
22 Ms. Kolis was to look at this physician's care?

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1 A I think that's right. The only reason
2 I'm being a little tentative here is that I'm not
3 certain Ms. Kolis did not ask me to comment on the
4 other physicians' care, but I'm certain that
5 shortly after getting involved in the case that
6 was the focus.

7 Q Well, did you in any of your reports
8 comment on the care good or bad on the other
9 physicians?

10 A As you know, the answer is no.

11 Q Did you in your report comment good or
12 bad on whether or not Gary Diederich was a
13 responsible patient or not?

14 A No.

15 Q From my review, Doctor, you wrote your
16 initial report on September 23rd of 1998. I think
17 it's in here. Let's get this out of the way. We
18 don't need that anymore.

19 MS. TAYLOR-KOLIS: Did you mix it --

20 MR. REMINGER: Which? The reports?

21 MR. POLITO: Yeah. They are here
22 somewhere.

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1 MS. TAYLOR-KOLIS: Okay, John, there you
2 go. All right.

3 BY MR. POLITO:

4 Q And that's Exhibit 3, correct?

5 A Yes.

6 Q Okay. You also wrote a report dated
7 August 5th, 1999, correct?

8 A Yes.

9 Q And that's Exhibit 4?

10 A Yes.

11 Q Have you authored any other reports in
12 this case other than 3 and 4?

13 A No.

14 Q Are there any drafts that you have in
15 your possession?

16 A No.

17 Q You brought today with you your complete
18 file on this case, true?

19 A Yes.

20 Q Okay. Nothing has been removed?

21 A Correct.

22 Q Now, in terms of prior authoring your

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1 report, in terms of correspondence, you have what
2 we've already identified as Exhibit 5, true?

3 A Yes.

4 Q Which was sent to you, Exhibit 12,
5 correct?

6 A Yes.

7 Q Okay. And you received a subsequent
8 letter dated August 19th, or some additional
9 records were sent?

10 A Yes.

11 Q And I believe those are Exhibit 13?

12 A Yes.

13 Q From my review of the records, those were
14 the only correspondence you received prior to
15 authoring your first report?

16 A I think that's right.

17 Q Now, after you wrote your first report,
18 then you received the deposition of -- strike
19 that.

20 After you wrote your first report
21 and before you wrote your second report, you
22 received Exhibit 7, true, which is the deposition

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1 of Dr. Carson?

2 A Well, the dates -- I don't argue with the
3 dates.

4 Q I think it's clear from reading your
5 report, then you had talked about reviewing
6 Dr. Carson's deposition transcript?

7 A Yes.

8 Q I'm sorry. I apologize, really it's
9 Exhibit 8. Donna told you in the first,
10 Exhibit 7, that they were taking the deposition,
11 and then 8, she sent you the transcript too?

12 A True.

13 Q And I take that back. You also prior to
14 authoring your second report, also apparently
15 received Dr. Arora's letter which is dated --
16 Exhibit 14?

17 A It's going pretty fast here.

18 Q Okay. Take your time.

19 A And I think you're confused. Right.
20 Maybe we should just start it all over again.

21 Q Okay. Well, we'll start all over again.
22 It's clear when you initially wrote your initial

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1 report, what you had was Exhibit 12. Is that
2 true?

3 A Yes.

4 Q When you wrote your -- and you also had
5 Exhibit 13?

6 A I believe that's correct.

7 Q Okay.

8 A Let's double check to make sure that the
9 date of Ms. Kolis' letter that came with
10 Exhibit 13 precedes the date of my report.

11 Q Which is there; August 19th, 1998.

12 A Correct, that is the cover letter that
13 came with that supplement and my letter with my
14 first report is dated September 23rd.

15 Q Then after you wrote your first report,
16 you received Dr. Carson's deposition, which is
17 marked as Exhibit 16?

18 A Yes.

19 Q Okay. You also -- and you can take a
20 look at your report if you want.

21 A You're referring to my second --

22 Q Second report. Here it is. Which is

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1 Exhibit 4, true?

2 A Yes.

3 Q You also reviewed Dr. Arora's letter
4 which is dated -- I mean, which is marked as
5 Exhibit 14?

6 A Correct.

7 Q Did you -- did you review anything else
8 prior to authoring your second report?

9 A I don't think so.

10 Q Okay. And then since you authored your
11 second report, you have reviewed a couple of
12 additional things, true?

13 A I saw a deposition from Dr. Mehta.

14 Q Okay. Which is Exhibit 15?

15 A Yes.

16 Q M-E-H-T-A. Okay. You also reviewed the
17 expert report of Dr. Carl Culley, C-U-L-L-E-Y,
18 Jr.?

19 A Correct.

20 Q From the Cleveland Clinic?

21 A Yes.

22 Q And that's Exhibit 17?

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1 A Correct.

2 Q You also reviewed the expert report of
3 Dr. Anthony DiMarco which is Exhibit 18?

4 A Correct.

5 Q Is there any other documents -- we'll get
6 to these in the medical literature in a second --
7 but are there any other documents other than
8 medical literature you have reviewed for this case
9 other than what we've talked about?

10 A I don't think so.

11 Q I want to go over a couple so the record
12 is clear on a couple things, Doctor. Grab your
13 first report, if you would, Doctor. I want to be
14 clear on the record what indeed you did review
15 when you rendered your first report, okay?

16 A Yes.

17 Q At the time you rendered your first
18 report, you had the Elyria Memorial Hospital and
19 Medical Center records from 1983 through 1997?

20 A Yes.

21 Q Okay. You also had Dr. Carson's office
22 records from March of '93 through March of '97?

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1 A Yes.

2 Q You also had the medical reports of the
3 Elyria Medical Clinic from August of '96 through
4 December of '96?

5 A Yes.

6 Q You had medical record of Dr. Dacha from
7 March of '97 through November of '97?

8 A Yes.

9 Q And finally you had the medical records
10 of the Cleveland Clinic from June of '97 through
11 October of '97?

12 A Yes.

13 Q When your rendered your first report,
14 those were all the records that you reviewed in
15 rendering your opinions?

16 A Yes.

17 Q And then, as we indicated, since you
18 wrote your first report, what you had in addition
19 to write your section report was Arora's report as
20 well as Dr. Carson's deposition?

21 A Yes.

22 Q When did you review the medical

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1 literature in this case, before your first report
2 or your second report?

3 A Both.

4 Q So you got some in before the first
5 report?

6 A Yes.

7 Q And then some more after the second?

8 A Yes

9 Q Were these articles you obtained
10 yourself?

11 A Yes.

12 Q Could you tell me, Doctor, and give me
13 the exhibit numbers, what medical literature you
14 reviewed prior to your first report?

15 A I believe an excerpt from a chapter in
16 the textbook by Raymond Parkes that I mentioned
17 early.

18 Q What exhibit number?

19 A Exhibit Number 20.

20 Q Okay.

21 A I had this available to me prior to
22 preparing the first report and also this excerpt

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1 from another occupational -- another book on
2 occupational asthma.

3 I didn't mention this earlier; the
4 editors are Bardana, B-A-R-D-A-N-A, Montanaro and
5 O'Hollaren. This is Exhibit 24.

6 Q Any other literature that you reviewed
7 prior to issuing your first report?

8 A No.

9 Q Would you agree that both of those
10 articles from texts -- or I think they were both
11 from textbooks?

12 A Yes.

13 Q They are occupational textbooks, medicine
14 textbooks?

15 A Yes.

16 Q Did you pull up any literature from any
17 family practice journals or texts or internal
18 medicine texts prior to authoring your first
19 report?

20 A No.

21 Q Let's talk about your second report.
22 What articles did you review for your second

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1 report?

2 A I didn't review any additional literature
3 for the second report.

4 Q Did you review some after you wrote your
5 second report?

6 A Yes.

7 Q What literature was that?

8 A The sections from the chapter by the --
9 in the most recent textbook on occupational lung
10 disease or occupational medicine. This is
11 Exhibit 19, the text by Rom.

12 Q Okay.

13 A And I also referred to a lengthy report
14 by an NIH committee convened to provide
15 information to clinicians caring for patients with
16 asthma. This is labeled Exhibit 21.

17 Q What was the date of that?

18 A This is published in 1991 in the Journal
19 of Allergy and Clinical Immunology, volume 88,
20 page 425.

21 Q Anything else?

22 A I also visited the NIH's web site to see

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a more recent version of that same report.

2 Q When you say more recent, when was that?

3 A 1999.

4 Q Have you now told me about all the
5 medical literature then that you have reviewed for
6 this case?

A I think we have covered it all.

8 Q Doctor, have you reviewed any medical
9 literature, any practice textbook?

10 A No.

11 Q Any internal medicine textbook?

12 A No.

13 Q You went to specialty journals and
14 textbooks, true?

15 A Yes.

16 Q Doctor, I noticed in your file you kept
17 some notes which I believe were marked as
18 Exhibit 2. Could you pull those out?

19 A (Witness complies.) Yes.

20 Q When were those notes generated?

21 A I believe I prepared these before
22 generating my first report to Ms. Kolis.

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1 Q There are also various stickies on
2 Exhibit 12. Would those have been created prior
3 to authoring your first report?

4 A The vast majority of those stickies were
5 there in preparation for the first record.

6 Q And I would assume the same thing for
7 Exhibit 13, which is that light blue -- were any
8 stickies on that --

9 A There are no stickies, but there are lots
10 of underlining and some comments, and these would
11 have been done before the first report.

12 Q Other than that Exhibit 2, do you have
13 any other independent notes as opposed to the
14 notes written on medical records or depositions?

15 A Well, I don't think so. But if they're
16 not on this table, the answer is no.

17 Q Okay.

18 A There's nothing else that's not on this
19 table.

20 Q Have you ever seen Dr. Leano's records?

21 A No.

22 Q Okay. Other than Dr. Arora's report,

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a have you seen any records from him?

2 A No.

3 Q Have you ever seen any pharmacy records
4 on this patient?

5 A I think the answer is no unless they're
6 in these binders here.

7 Q Have you ever seen any records from the
8 Bureau of Worker's Compensation on this patient?

9 MS. TAYLOR-KOLIS: Objection, but you can
10 answer it.

11 THE WITNESS: No.

12 BY MR. POLITO:

13 Q Have you ever seen any chest x-rays, the
1.4 actual films?

15 A Yes.

16 Q When did you receive those?

17 A I received those about two weeks ago.

18 Q Did you make any notes regarding your
19 review?

20 A No.

21 Q And those were the chest x-rays done or
22 ordered by Dr. Carson?

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1 A Yes.

2 Q I'm sorry, how many films was that?

3 A Offhand, I don't know. There were
4 approximately ten films.

5 Q Okay. Were they all chest x-ray films?

6 A I think they were.

7 Q Other than those approximately ten chest
8 x-rays films, have you seen any other films in
9 this case?

10 A No.

11 Q Have you seen any videos or photographs
12 of the patient, the plaintiff Gary Diederich?

13 A No.

14 Q Have you seen any records from
15 Mr. Diederich's employer?

16 A No.

17 Q Have you seen any materials, safety data
18 sheets from his employer?

19 A No.

20 Q Have you seen any records regarding what
21 dust, chemicals, fumes Mr. Diederich was exposed
22 to?

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1 A Other than what's commented in by
2 Dr. Mehta, I have not seen anything else.

3 Q Have you ever seen the affidavit of Gary
4 Diederich attached to his case against his
5 employer?

6 MS. TAYLOR-KOLIS: I'm going to object.
7 You can answer the question.

8 THE WITNESS: No.

9 BY MR. POLITO:

10 Q Have you ever seen the deposition of Gary
11 Diederich or Tony Diederich taken in this case?

12 A No.

13 Q Have you ever seen the deposition that
14 was taken in their case against the employer?

15 A No.

16 Q Have you ever spoken with or examined
17 Gary Diederich?

18 A No.

19 Q Ever spoken with any of his family
20 members?

21 A No.

22 Q Have you spoken with any of his treating

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1 physicians?

2 A No.

3 Q Ever spoken with any physician about this
4 case?

5 A I don't think I've ever talked to another
6 physician about it.

7 Q You've not gone to any of your
8 occupational medicine physicians and talked to
9 them about it?

10 A No.

11 Q Or anybody in your group?

12 A Correct.

13 Q Have you spoke with any fellow
14 employee --

15 A Excuse me. I asked one of my colleagues
16 whose focus is asthma if he could point me towards
17 guidelines that I ultimately obtained and are
18 labeled as Exhibits 21 and 23. In the context of
19 that discussion, I told him I was reviewing this
20 case.

21 Q Why did you ask him?

22 A As I mentioned, he focuses on asthma and

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1 I was reasonably sure that he would know where to
2 steer me to find these guidelines.

3 Q Have you spoken with any of
4 Mr. Diederich's fellow employees or supervisors?

5 A No.

6 Q Is there any information you've asked for
7 and not been provided?

8 A No.

9 Q It's fair to say you are aware that
10 Mr. Diederich started at Diamond Products back in
11 1985, correct? 1986, I believe?

12 A You know the year better than me, but it
13 is my understanding he was working there for a
14 number of years before Dr. Carson saw him.

15 Q It would be fair to say then from 19 --
16 if he started 1986 through 1993, is it your
17 understanding during those seven years he had been
18 exposed to cobalt and tungsten?

19 A Yes.

20 Q Do you know what type of exposure he had
21 during those years; was it daily exposure, weekly
22 exposure, monthly exposure?

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1 A I believe it was frequent, probably daily
2 from what I've read about his work and the
3 workplace.

4 Q During those seven years that he worked
5 prior to seeing Dr. Carson, did he ever wear a
6 protective mask, any type of protective equipment?

7 A It's my understanding that he generally
8 did not from comments I've read in the records
9 that are available to me.

10 Q What is your understanding of the type of
11 materials he was exposed to during his employment?

12 A I believe cobalt is one and tungsten, I
13 think, was another that I believe he had been
14 exposed to.

15 Q Anything else?

16 A I don't know. I don't know anything else
17 for sure.

18 Q And what was the basis of the fact that
19 he was exposed to cobalt and tungsten?

20 A My basis? Do you mean what do I base my
21 response on?

22 Q Yeah.

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1 A By what I've read in the records
2 available to me, mainly Dr. Mehta's evaluation.

3 Q Were you aware that when he saw
4 Dr. Mehta, he brought in materials, safety data
5 sheets to him?

6 MS. TAYLOR-KOLIS: I'm going to object to
7 the characterization. The testimony of
8 Dr. Mehta was that he asked the patient to
9 obtain them. So that you're clear on the
10 context.

11 THE WITNESS: So would you restate the
12 question?

13 BY MR. POLITO:

14 Q Let me back that up. Prior to Dr. Mehta,
15 had Gary Diederich ever told anyone he had been
16 exposed to either cobalt or tungsten?

17 A I don't recall any comment on that in the
18 records that I have.

19 Q Now, he was first diagnosed with hard
20 metal disease in 1997?

21 A That's right.

22 Q When in your opinion, to a reasonable

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1 degree of medical probability, did Gary Diederich
2 first contract hard metal disease?

3 A I suspect it happened insidiously
4 starting when he took employment at his workplace.

5 Q So 1986?

6 A If that's when he started, then, yes
7 1986.

8 Q And it's your opinion, to a reasonable
9 degree of medical probability, that from 1986
10 through the time in 1997 it progressively got
11 worse?

12 A Yes.

13 Q What is hard metal disease, Doctor?

14 A It's a disease of the lungs caused by
15 certain metals that are encountered in some work
16 environments, such as cobalt and tungsten, and
17 cadmium is another on the list. Perhaps nickel.
18 Causes coughing --

19 Q I'll get to the signs. I just want to
20 know what is it first. So it's disease of the
21 lung caused by certain metals?

22 A Yeah, that's a start.

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1 Q We'll get to the signs and symptoms in a
2 second. What is the pathophysiology?

3 A I'm not an expert on the pathophysiology
4 of this disease. It's inflammation in the lungs.
5 The pathology shows inflammation, shows some
6 peculiar giant cells. There's necrosis that
7 occurs in the interstitial of the lung in the
8 advanced stages of emphysema and abnormal increase
9 size of certain air spaces.

10 There is a loss of diffusion
11 capacity which is devoted in the lung to exchange
12 gases. There is restriction, which is the
13 inability of the patient to get the normal amount
14 of air into the lungs, and there's obstruction,
15 which is abnormal ability to get air out.

16 Q As of the present time, Doctor, how many
17 patients have you treated primarily or made the
18 diagnosis of a hard metal disease?

19 A I don't know that I've ever had one. I
20 may have. I might have missed the diagnosis.

21 Q How many patients have you treated with
22 hard metal disease?

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1 A I don't recall that I've had one.

2 Q So it's fair to state up to the present
3 time, you've never diagnosed or treated a patient
4 with hard metal disease, true?

5 A I think that's right.

6 Q So it's fair to say then when you started
7 your review of this case to bring yourself up to
8 date, you had to go to the medical literature to
9 help you find out about hard metal disease, true?

10 A It's fair to say that. But I think it's
11 also fair to say that my reading of the literature
12 on hard metal disease was not to help me think
13 through this management of the case; it was
14 because I was curious to know something about hard
15 melt disease on a case that I'm spending many
16 hours thinking about. I wanted to learn something
17 for myself.

18 Q Well, are you telling me, Doctor, that
19 before reading that literature on hard metal
20 disease, you could have told me what the signs and
21 symptoms of that disease are?

22 A No, I could not.

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1 Q You couldn't have told me what the
2 pathophysiology of what hard metal disease is,
3 true?

4 A Let me back up to the last question. I
5 think before I read this literature, I would have
6 recalled from my training -- certainly not my
7 experience, but from my training -- that there was
8 hard metal disease that occurs in the workplace
9 and that certain signs and symptoms include
10 coughing and shortness of breath.

11 What was the next question? I'm
12 sorry.

13 Q My question is: Without reading the
14 medical literature, do you know what the
15 pathophysiology is of that disease process is?

16 A I think prior to reviewing that
17 literature, I had lost that.

18 Q Do you agree, Doctor, that everyone
19 exposed to those metals in the workplace contracts
20 hard metal disease, true?

21 A That my understanding is that they all
22 contract it?

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1 Q No, that not all contract it.

2 A Correct, not all contract it.

3 Q Did you know that on your own, Doctor, or
4 is that based on your reading?

5 A I knew that.

6 Q What percentage of those are exposed to
7 disease in the workplace actually contract it?

8 A I believe it's a small percentage.

9 Q Do you know what that small percentage
10 is?

11 A I think it's in the ballpark of
12 10 percent if it's looked for rigorously. Some
13 patients have it, but it's so mild that they don't
14 know it.

15 Q So about --

16 A I think it's also important to add in
17 here that the percentage of patients who get it
18 depends on the specific workplace and the measures
19 used to prevent inhalation.

20 Q Doctor, what percentage of patients who
21 wear a protective mask or equipment contract hard
22 metal disease?

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1 A I don't know that offhand, but I believe
2 the masks are thought to be useful to
3 substantially reduce the incidence of the disease.

4 Q What percentage of patients who are
5 exposed to hard metals in the workplace contract a
6 fibrotic reaction in the lung?

7 A Again, I don't know the percentage
8 offhand, but I think it's a very low percentage,
9 less than 10 percent.

10 Q Now, from my review of the literature,
11 patients who are exposed to hard metals can
12 develop a number of different conditions, true?

13 A Yes.

14 Q One is occupational asthma?

15 A Yes.

16 Q Another one is hypersensitivity
17 pneumonitis?

18 A Yes.

19 Q And the third one is interstitial
20 fibrosis?

21 A Yes. And the fourth one is sinusitis.

22 Q So one of the conditions that may develop

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1 from exposure to hard metals in the workplace,
2 such as cobalt and tungsten, is occupational
3 asthma?

4 A Yes.

5 Q Let's talk about the signs and symptoms
6 of hard metal disease. If you could tell me what
7 those are?

8 A Coughing, dyspnea. I mentioned a moment
9 ago sinusitis, The symptoms of that are mucous
10 drainage, sometimes headache.

11 Q Anything else?

12 A You asked me about symptoms. I'm sorry,
13 what I just mentioned are symptoms. The signs on
14 clinical examination, there may be bronchi --

15 Q Let's stay with symptoms. I'll give you
16 a chance to talk about signs because I want to go
17 on.

18 So the symptoms you mentioned to me
19 then were coughing, dyspnea, sinusitis, headache?

20 A Yes.

21 Q Is coughing a nonspecific symptom?

22 A It is about as nonspecific symptom as we

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1 get.

2 Q How about dyspnea?

3 A That's really nonspecific.

4 Q Sinusitis?

5 A Sinusitis is a disease, but as a symptom,
6 postnasal drip is nonspecific.

7 Q Headache?

8 A Definitely nonspecific.

9 Q So all these symptoms, coughing, dyspnea,
10 postnasal drip, headaches, are nonspecific
11 symptoms which could be symptoms of a host of
1.2 different diseases, true?

13 A Agreed.

14 Q Let's now go into the signs of hard metal
15 disease. Physical exam first, is that fine with
1.6 you?

17 A Well, the term sign means -- doctors mean
18 on physical examination.

19 Q Okay. On physical exam, what would you
20 expect to see with hard metal disease?

21 A Well, the lungs sound may be quiet.

22 There may be occasional abnormal sounds such as

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1 what we call raucous. There may be some crackles
2 or rales. On occasion, I understand from my
3 reading, that there may be pharyngitis.

4 Q Anything else?

5 A In advanced cases there may be signs of
6 Cora-pulmonale which is right ventricular failure
7 causing swelling, edema to the extremities.

8 There may be cyanosis. There may be
9 clubbing. There may be jugal suspension.

10 Q Based on your review of the records from
11 1992 up until the time he saw Mehta in 1997, were
12 there any findings of crackles or rales found on
13 any physical exam of this patient?

14 A I don't recall crackles or rales.

15 Q Was any there any persistent pharyngitis
16 from 1992 through 1997?

17 A I'm not sure how we're defining
18 persistent. There were a couple of visits to
19 Dr. Carson's office where there was complaining of
20 sore throat.

21 Q Sore throat. That was back in '93, I
22 think, once, maybe twice. Other than those two

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1. times, did you see any other evidence of
2 pharyngitis during that period of time?

3 A I don't think any other times mentioned.

4 Q Okay. Let's talk about -- we've now gone
5 through the signs; now let's talk tests to rule in
6 or rule out this disease process.

7 What tests are available to you to
8 rule in or rule out hard metal disease?

9 A Well, there are a number of laboratory
10 tests that we do.

11 Q Okay.

12 A With respect to the ruling in or ruling
13 out, I think the most important thing is a good
14 history taken from the patient about where he
15 works, what he's exposed to, whether there's
16 exacerbation of the symptoms when he's in the
17 workplace as opposed to away from it. And then,
18 of course, to nail the diagnosis on a piece of
19 tissue is very useful as was the case in
20 Mr. Diederich.

21 Q Before we get to the biopsy, are there
22 some other tests that may be useful in leading one

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1 towards that disease process?

2 A Chest x-rays may show some increased
3 interstitial markings or emphasize changes --
4 small lung fields in advanced cases when there's
5 obvious restriction.

6 Pulmonary function tests will show
7 combined obstructive and restrictive disease and
8 some loss of diffusion capacity.

9 Q How about arterial blood gases?

10 A In advanced cases, there will be high
11 toxemia.

12 Q Is it true with arterial blood gases
13 you're going to see arterial desaturation in --
14 diffusing capacity?

15 A Blood gas doesn't measure diffusion
16 capacity. I mention that in the context of
17 pulmonary function tests.

18 Q Okay.

19 A Yes, there is some loss of diffusing
20 capacity. And, yes, whenever you lose diffusion
21 capacity, you have a strong tendency to desaturate
22 with exercise.

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1 Q Is this disease process exposure-based;
2 the greater the exposure, the more likely the
3 patient is going to get the disease?

4 A That's my understanding. I think
5 importantly the more severe the disease is, the
6 greater and longer the exposure.

7 Q So the more the exposure, the more
8 serious the disease?

9 A Yes.

10 Q Is there a legal limit that an employee
11 can be exposed to in a workplace of either cobalt
12 or tungsten?

13 A I think there is, but I -- this is not my
14 field. I'm not sure of it.

15 Q You would agree this is a very rare
16 disease process?

17 A Yes.

18 Q One that you've never even seen in your
19 own practice?

20 A One that I have never recognized in my
21 own practice.

22 Q When in your opinion, Doctor, to a

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1 reasonable degree of medical certainty, did
2 Mr. Diederich first experience respiratory
3 symptoms secondary to his hard metal disease?

4 A I think there are some notations in
5 medical records well before Dr. Carson met the
6 patient.

7 Q Okay.

8 A If you want me to, I can pick off a date
9 or two from the comments on the records.

10 Q Sure.

11 A Actually, I think -- these notes I made
12 in Exhibit 2. In November 14th, 1990 at the
13 EMH -- I guess that's Elyria Medical Hospital --

14 Q Elyria Memorial.

15 A -- Memorial Hospital -- he complained of
16 pain in his ribs while and, quote, hard to
17 breathe. He was given a diagnosis of pleuritic
18 chest pain.

19 Should I go on?

20 Q No. So is it fair to say at least the
21 first mention of respiratory symptoms from your
22 review was back about three years before

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1 Dr. Carson even saw this patient?

2 A Yes.

3 Q I want to talk about -- switch gears and
4 let's talk about asthma now, okay? What is
5 asthma?

6 A It's a disease characterized by episodic
7 dyspnea and wheezing. It's caused by inflammation
8 in the airways. In addition to the dyspnea and
9 wheezing, the patient frequently has a cough,
10 mucous production.

11 The symptoms are frequently
12 alleviated to some extent by inhalation of beta
13 agonists and sometimes some other medications.

14 Q Let me back up for a second. On the
15 signs with -- strike that.

16 The symptoms with hard metal
17 disease, you mentioned cough as well?

18 A Yes.

19 Q Is that a dry cough or productive cough?

20 A I believe it's usually dry.

21 Q Now, let's go back and talk about the
22 symptoms with asthma.

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1 A Yes.

2 Q We got that cough again, right?

3 A Yes.

4 Q But cough here is normally with
5 production, true?

6 A Frequently a productive --

7 Q We're talking about asthma now?

8 A Yes.

9 Q We also -- I think you mentioned dyspnea
10 with this one as well?

11 A Yes.

12 Q And what else? Cough, dyspnea, wheezing,
13 you mentioned?

14 A Yes.

15 Q Anything else with asthma?

16 A There are a lot of different symptoms. A
17 patient complaining of sometimes tightness in the
18 chest. Sometimes they awaken at night with
19 shortness of breath.

20 Q Anything else?

21 A I think these are the cardinal.

22 Q When was the last time, Doctor, you

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1 treated someone with asthma?

2 A Probably the last time I was the
3 attending physician in ICU, which would have been
4 January.

5 Q But it's fair to say, Doctor, when you
6 saw that patient in the ICU, the diagnosis of
7 asthma had already been made, true?

8 A Correct.

9 Q When was the last time you as a primary
10 care physician made the diagnosis of asthma?

11 A It was probably about 1988.

12 Q Okay. Fair to say doctor, you don't
13 need -- you mentioned five of the cardinal, as you
14 described it, symptoms of asthma. You don't need
15 all of these to make the diagnosis of asthma,
16 true?

17 A True.

18 Q Okay. You don't need -- I think it's
19 nocturnal awakening to make the -- if the patient
20 doesn't have that, it doesn't mean he or she
21 necessarily doesn't have asthma, true?

22 A Correct.

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1 Q The fact that they don't have tightness
2 of the chest doesn't necessarily mean that they
3 don't have asthma, true?

4 A True.

5 Q Even wheezing, there will be times with
6 episodic where a patient might have wheezed, but
7 by the time they see the doctor, the wheezing is
8 gone, true?

9 A True. On repeated visits to the doctor,
10 the odds are increasing that the wheezes are
11 there.

12 Q But the mere fact that wheezing isn't
13 found on an exam doesn't either rule in or rule
14 out asthma, true?

15 A True.

16 Q Let's talk about the signs now of asthma.
17 What are the signs?

18 A Well, the most important sign is when we
19 listen to the chest, we hear wheezing. In this
20 respect, there are wheezes and there are wheezes.
21 But asthma patients have wheezes that are in
22 spades.

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1 Wheezes are whistling noises, and
2 they are caused by some vibration in the small
3 airways and there are pitches of wheezes. And a
4 typical patient with asthma, most patients with
5 asthma at some time have a symphony of wheeze --
6 whistles .inboth sides.

7 Q Anything else other than wheezing?

8 A Frequently when they're dyspneic we see
9 signs of hyperinflation. We listen to the lungs.
10 It's apparent the diaphragms are lower than they
11 ought to be and the patient has to breathe at a
12 higher lung volume. Percussion of the chest is
13 hyperresonant.

14 On examination it's apparent the
15 patient is using accessory muscles to get air in
16 and maybe some agitation. In severe exacerbations
17 there may be cyanosis.

18 Q Can we agree, Doctor, then based on what
19 you told me the signs -- strike that -- the
20 symptoms of hard metal disease and asthma
21 clinically overlap?

22 A There is some overlap, yes.

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1 Q Let's talk about causes of asthma.

2 There's a number of different
3 causes, true?

4 A There are certainly a number of
5 associations. This is great area of controversy
6 and --

7 Q That it is. But at least from my review
8 of the literature, there can be exercise-induced
9 asthma?

1.0 A Yes.

11 Q There can be occupational asthma?

12 A Yes.

13 Q There can be respiratory infections that
14 can cause asthma-like conditions?

15 A Yes.

16 Q What other ones are you familiar with?

17 A Some believe that allergies will
18 precipitate asthma and then there's idiopathic
19 asthma which has no apparent explanation.

20 Q One of the things from reading
21 Dr. Mehta's deposition, another thing he describes
22 in terms of a symptom for asthma is the postnasal

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1 drip.

2 Is that also a symptom of asthma as
3 well?

4 A A lot of patients with asthma don't have,
5 but a lot of patients with asthma also have
6 bronchitis, allergic bronchitis. And some
7 patients with asthma have these problems in their
8 nasal passages and sinuses; polyps or there may be
9 some things like that.

10 Q And as opposed to hard metal disease, the
11 percentage of the U.S. population having asthma is
12 relatively high, true?

13 A True.

14 Q I think I quoted a figure to Dr. Mehta
15 somewhere in the neighborhood of 5 to 8 percent.
16 Is that high, low?

17 A I think that's -- I believe that.

18 Q One of the things, and I think you've
19 described it, one of the things about asthma is
20 it's an episodic disease, true?

21 A Yes.

22 Q A patient may come into his doctor's

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1 office once or twice a year for asthma flare-ups,
2 true?

3 A Maybe once or twice a year, maybe many
4 more times, maybe not at all.

5 Q It is a disease, as I think Dr. DiMarco
6 or Dr. Culley said in their reports, it's a
7 disease characterized by periods of illness
8 alternating with periods of good symptom control.

9 Do you agree with that?

10 A With most patients, yes.

11 Q When you were treating patients back in,
12 I think you said in 1988, you probably saw
13 patients in your own practice that would come in
14 periodically with flare-ups of asthma?

15 A Yes.

16 Q You treat them, and they may come back
17 once or twice for continued flare-ups, and then
18 you may not see them for six months?

19 A Yes.

20 Q Are persistent chest x-ray abnormalities
21 consistent with a diagnosis of asthma?

22 A They're not inconsistent, but they're not

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1 typical of asthma. They're suggestive of
2 something else.

3 Q If we saw persistent abnormalities on a
4 chest x-ray, it would make you more to think of
5 other disease processes, one might be hard metal
6 disease?

7 A It would probably be the last I would
8 think of, but yes.

9 Q The last you would think of because hard
10 metal disease is so rare?

11 A Right.

12 Q At tests to rule in or rule out asthma,
13 is there any ones that are helpful?

14 A Well, usually you don't need a test.
15 Usually the symptoms are reported by the patient
16 and the examination with the symphony of wheezes
17 is sufficient to make the diagnosis.

18 Q Okay.

19 A On occasion we'd have a patient who had
20 symptoms, but it's not a convincing picture, and
21 so we will do a test or two.

22 Q But what you're telling me is usually

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1 just based on the history and the physical exam,
2 then that's usually enough to make the diagnosis
3 of asthma?

4 A Usually.

5 Q Okay. And the treatment for asthma is
6 what?

7 A There are a number of treatments. If
8 there's a precipitating experience, then we'd
9 recommend avoiding it if at all possible.

10 Q So if exercise brings on asthma in
11 certain times of the year, you would tell them to
12 avoid?

13 A People who exercise, need to exercise,
14 and exercise-induced asthma is seldom terribly
15 debilitating.

16 Q Got you.

17 A So we generally don't tell patients that.
18 They know it's an option. Now, if a patient
19 watching the workplace and wheezes, then --

20 Q How about a patient who mows the grass,
21 does that sometimes bring on asthma?

22 A Some patients will have that experience.

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1 With respect to medications, nowadays the -- one
2 of the first-line drugs is inhaled
3 corticosteroids.

4 Q How about back in 1993 and '94?

5 A Those were available.

6 Q Okay.

7 A At that time there was a growing --
8 growing position by specialists to use inhaled
9 corticosteroids to -- as a first-line treatment
10 for asthma.

11 Beta agonists have for years have
12 been on the front line of treatment for asthma.
13 Some patients will have beneficial response from
14 inhaled cromolyn, sodium cromolyn. Some patients
15 have gotten some benefit from theophylline, and
16 that's waning in frequency of use.

17 Some patients require medication
18 with systemic corticosteroids and then most
19 recently there are inhaled leukotriene inhibitors.

20 Q So let me dot a couple drugs. Proventil
21 was that a known --

22 A Beta agonist, yes.

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1 Q -- appropriate for asthma?

2 A Yes.

3 Q Okay.

4 A Beclovent, which the patient was on, is
5 an inhaled corticosteroid.

6 Q And if there's also some nasal symptoms
7 along with the asthma-related, it would be
8 appropriate to use something, Rhinocort?

9 A Yes.

10 Q How about Seldane? Appropriate?

11 A Yes.

12 Q Fair to say if we assume in this case
13 that Mr. Diederich had asthma throughout his
14 treatments with Dr. Diederich (sic), the manner in
15 which he treated him for the asthma was
16 appropriate and within standards of care?

17 A I would say the initial treatment for the
18 first approximately a year was appropriate.

19 Q Okay. From my review of the records,
20 Doctor, and you tell me if I'm wrong, from 1993
21 when -- from March 16th of 1993, that's the first
22 date you saw him, correct?

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1 A Yes.

2 Q And I'm going to take you only up to
3 until the end of '96, okay?

4 A (Witness nods head.)

5 Q So from March of '93 through the end of
6 '96, I counted that he saw this patient 11 times.
7 Do you have any disagreement with that?

8 A I'll have to do an independent count.

9 Q Let's just quickly go through it, Doctor,
10 and then we can back up. You got your notes
11 there?

12 A Yes.

13 Q March of '93, March 16th?

14 A Correct.

15 Q That was a respiratory complaint,
16 correct?

17 A Yes.

18 Q So we got one there. Then we'll kind of
19 make our own little cheat-sheet here. March 16th
20 of '93 was a respiratory complaint, true?

21 A Yes.

22 Q Okay. He next saw Dr. Carson on 7/30.

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1 That was not a respiratory complaint, true?

2 A I believe you're right.

3 Q Okay. The next one was 8/6 and
4 Dr. Carson testified that the August 6th visit was
5 inadvertently put in his record, and that's of the
6 wife?

7 A I have come to realize that.

8 Q Okay. He next saw him on 8/17. That's a
9 respiratory complaint, true?

10 A Yes.

11 Q 8/31, that's nonrespiratory complaint,
12 true?

13 A He has a sore throat.

14 Q But. there was no complaints about any
15 things to do with his lungs, true?

16 A There's nothing specifically referring to
17 lungs, true.

18 Q 10/11 was respiratory complaint, true?

19 A Yes.

20 Q He didn't see him again then until 2/1 of
21 '94 and that was a respiratory complaint, true?

22 A Yes.

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1 Q 2/28/94 was respiratory complaint?

2 A Yes.

3 Q 6/6/94 was a respiratory complaint?

4 A Yes.

5 Q 6/16 was a respiratory complaint?

6 A Let's slow down just a little bit. I've
7 recorded on my own notes that on June -- on 6/13
8 that Mrs. Diederich called to report that the
9 patient was short of breath, coughing and --

10 Q I'm talking about office visits, Doctor.

11 A Okay. 6/16 is the next visit to
12 Dr. Carson's office.

13 Q And that was a respiratory complaint?

14 A Yes.

15 Q Then he doesn't see him for over a year,
16 true?

17 A That's consistent with my notes.

18 Q And that was on 7/31/95 and that was a
19 respiratory complaint?

20 A Yes.

21 Q And then he didn't see him for, again, a
22 little less than a year, and that was on 5/6/96?

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1 A Yes.

2 Q Based on my review from March of '93
3 through the end of 1996 -- now, I'm talking about
4 visits to this doctor, Dr. Carson (Indicating) --
5 he saw him on one, two, three, four, five, six,
6 seven, eight, nine occasions for respiratory
7 complaints.

8 Would that be a fair statement?

9 A If you count the number of visits I
10 agreed to with respect to respiratory complaints
11 is accurate, then, yes.

12 Q So in the space of three-and-a-half years
13 plus, he only saw him on nine occasions for
14 respiratory complaints, true?

15 A Yes.

16 Q Okay. Let's talk about Dr. Arora now.
17 You would agree from your review of Dr. Arora's
18 report that asthma was within his differential
19 diagnosis?

20 A Yes.

21 Q And we know Dr. Arora's a pulmonary
22 physician, true?

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1 A Yes.

2 Q And matter of fact, his treatment of this
3 patient was if he had asthma, true?

4 A Yes.

5 Q He gave the Prodrox inhaler, steroids,
6 all for the treatment of asthma?

7 A Yes.

8 Q That was the pulmonologist treating him
9 in 1992?

10 A Yes.

11 Q Was hard metal disease within his
12 differential diagnosis?

13 A I don't think he mentioned it. And I
14 have no way of knowing what he was thinking if he
15 didn't mention it. He did mention, however, near
16 the end of his report that there was a concern
17 that there might be a relationship to his
18 occupational experience.

19 Q Okay. What did he tell the patient at
20 the end, Doctor, to do?

21 A Well, let's --

22 MS. TAYLOR-KOLIS: Go ahead.

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1 BY MR. POLITO:

2 Q Go ahead. Down at the bottom, what did
3 he tell him to do?

4 MS. TAYLOR-KOLIS: Well, I just object to
5 that. We don't know what the letter said.

6 MR. POLITO: Let me -- strike that
7 question. Poorly worded, and Donna is
8 entirely correct.

9 BY MR. POLITO:

10 Q He told the patient to return, did he
11 not, in three to four weeks to see if the regimen
12 was working?

13 A He said I would like to see back in
14 another three to four weeks to see how much
15 improvement he gets from his return.

16 Q Did the patient ever return in three to
17 four weeks to see how the regimen was working?

18 A I have no knowledge that he did.

19 Q Did the regimen work?

20 A I don't know what the immediate response
21 to the regiment was. What I know is that he came
22 back to see if an admission with Dr. Carson's

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1 office --

2 Q That wasn't my question. My question is:
3 Did he come back to see Arora, the pulmonologist?

4 A As you know, I have no knowledge that he
5 came back to see Dr. Arora.

6 Q And you have no knowledge if the regimen
7 placed on him by Dr. Arora worked or not, true?

8 A True.

9 Q Do you fault the patient, Doctor, for not
10 returning as instructed by Dr. Arora?

11 MS. TAYLOR-KOLIS: I'm still going to
12 object. There's no evidence either in the
13 record or the testimony of the client's that
14 this consult letter that said he'd like to see
15 him was ever communicated to the patient.

16 MR. POLITO: He didn't deny though,
17 Donna. He said he had no recollection and --

18 THE WITNESS: That's what I have no
19 knowledge.

20 MS. TAYLOR-KOLIS: He's talking about
21 what your client said.

22 MR. POLITO: No, he said -- he -- do you

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1 have any reason to disagree that that's what
2 Dr. Arora told him?

3 THE WITNESS: No.

4 BY MR. POLITO:

5 Q Okay. So do you fault the patient for
6 not returning in three to four weeks as instructed
7 in the report of Dr. Arora?

8 A I'd say a patient has a responsibility
9 for his own care. If he received that instruction
10 and if he had the wherewithal to come back, then,
11 yes, I would lay some fault --

12 Q Okay. Furthermore, he advised
13 Mr. Diederich to wear a protective mask while
14 working, correct?

15 A Yes.

16 Q Did Mr. Diederich ever follow his advice?

17 A I have very little information on that
18 other than there's a comment by Dr. Mehta, I
19 think, who says that he doesn't wear a mask.

20 Q If we assume, Doctor, that what's in that
21 report is that he was instructed by Dr. Arora to
22 wear a mask while working, if we assume that to be

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1 true, do you fault the patient for then not
2 wearing a mask during -- in his workplace?

3 A I think the answer is, yes, the patient
4 should certainly make an attempt to wear a mask in
5 the workplace.

6 Q Could we agree, Doctor, that the fault
7 doesn't fall on you as the doctor; the patient has
8 some responsibility?

9 A Yes.

10 Q So if a patient is instructed to do
11 certain things and chooses not to do those things,
12 then they should be held accountable, true?

13 A If it's his decision not to follow the
14 advice, then, yes, he bears some responsibility.

15 Q What in your opinion was Mr. Diederich's
16 total lung capacity as of the visit to Dr. Arora?

17 A The total lung capacity was not measured
18 or attempted to be measured. An attempt was made
19 to do --

20 Q Let me ask it this way: What in your
21 opinion to a reasonable degree of medical
22 probability was his total lung capacity at the

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1 time he saw Dr. Arora back in 1992?

2 A As I'm sure you know, the quality of that
3 spirogram is not optimal, but it allows us to put
4 a lower limit on certain lung functions,
5 specifically the vital capacity, and I believe the
6 value he generated was 56 percent of predicted.
7 So I believe that was -- that's a lower limit we
8 can put on that.

9 Now, the total lung capacity and the
10 vital capacity frequently track -- they usually
11 track each other. So if you want to me to put it
12 in terms of TLC, I suspect the TLC was no lower
13 than 56 percent.

14 Q Okay.

15 A It might have been possibly greater than,
16 that.

17 Q But when we deal -- because then while we
18 deal in probabilities, Doctor, it's more probable
19 than not that his total lung capacity as of --
20 what's the date?

21 MS. TAYLOR-KOLIS: September.

22 MR. POLITO: September of 1992 was about

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1 58 percent?

2 THE WITNESS: About -- if we can put that
3 word about in there with an underline under
4 it, I'll agree to a reasonable degree of
5 medical probability.

6 BY MR. POLITO:

7 Q Because, as a matter of fact, in one of
8 your reports you relied on that, you made mention
9 that there's been -- the patient has gone from --
10 I believe you referred to that in your own report,
11 true.

12 A Yes.

13 Q And nowhere in your report do you say
14 that it was a faulty reading, do you?

15 A I have to go back and see what I wrote
16 here.

17 Q Read it. Matter of fact, you made
18 reference --

19 A There's no question that this is a
20 limited study, but what it doesn't allow us to do
21 is put a lower limit on certain values such as
22 vital capacity, FED1.

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1 And to the extent that TLC is
2 related and correlates with vital capacity, then
3 we can make a reasonable estimation of TLC -- or a
4 reasonable estimation of the lower limit of TLC.

5 Q And that reasonable -- that reasonable
6 figure to a reasonable degree of medical
7 probability would be around 58 percent?

8 A As a lower level, yeah.

9 Q Okay. So as of 1992, this man --

10 A Should I take a moment to read this now?

11 Q Sure.

12 MR. POLITO: I don't think in your first
13 report. I -- strike that. Did you? I don't
14 think Arora's records.

15 MS. TAYLOR-KOLIS: Well, because I
16 didn't, so he certainly didn't have them.

17 THE WITNESS: I did comment in my first
18 report and so that we can be straight on that,
19 but -- and so I can explain why I didn't
20 comment on that limitations of the study -- I
21 said during that interval, referring to 1992
22 to 1997, Mr. Diederich's forced vital capacity

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1 decreased from 2.25 to 1.81. And I didn't
2 time it on a limitation there because the
3 important thing is that the vital capacity is
4 no lower than 2.85.

5 MR. POLITO: Okay.

6 THE WITNESS: So the minimal decrease we
7 have is from 2.85 to 1.81, and that's -- that
8 was the significance at that time.

9 BY MR. POLITO:

10 Q So it's fair to say --

11 A I'll stand by that because of the
12 value --

13 Q You saw where Dr. Mehta said it was
14 around 60 percent, if he had to give a figure in
15 1992 that it was around 60 percent?

16 I'm just trying to get your opinion
17 within a reasonable degree of medical probability
18 what this patient's total lung capacity was as of
19 1992.

20 A I think 60 percent in terms of the total
21 lung capacity is a reasonable estimate.

22 Q So it's fair to say then from his

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1 exposure to this and the reason why in your
2 opinion it was abnormal was due to his exposure to
3 cobalt and tungsten in retrospect?

4 A Yes.

5 Q So he certainly had a 40 percent
6 reduction in his total lung capacity before even
7 seeing my client, Dr. Carson?

8 A I have to reiterate that the 60 percent
9 value is the lower limit.

10 Q Okay.

11 A I think it's not far off, but you have to
12 underline "I think" because of the limitation of
13 the study.

14 Q Well, then should you fault Dr. Arora for
15 not repeating the study?

16 A I think Dr. Arora's plan is sensible to
17 try some treatment, advise him to wear the face
18 mask and see which way it goes.

19 Q Probably one of the things he would have
20 done, if the patient would have come back to see
21 him, was to do a repeat pulmonary function study?

22 A I think that's right.

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1 Q And -- but the patient chose not to go
2 back?

3 A The patient didn't come back. I don't
4 know why.

5 Q Now, you say in your report that it did
6 worsen then from 1992 until 1997, true?

7 A I believe it did, yeah.

8 Q In 1992 through 1997, I want to assume he
9 never wore any type of protective mask as
10 instructed by Dr. Arora.

11 MS. TAYLOR-KOLIS: I'm going to object,
12 but go ahead and answer it.

13 THE WITNESS: Well, I know I'm not
14 supposed to make assumptions that Dr. Mehta
15 took a history and recorded that he didn't
16 wear face mask, so let's go with that.

17 BY MR. POLITO:

18 Q Fine. So we'll make an assumption he
19 gave that history to Dr. Mehta that he never wore
20 a mask?

21 A Right.

22 Q So if Mr. Diederich had worn a protective

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1 mask as instructed by Dr. Arora back in 1992 and
2 then worn that from 1992 to 1997, we can agree to
3 a reasonable degree of medical probabiltiy his lung
4 condition would have not worsened as bad as it
5 had, is that true?

6 A I think that's right. But here's where
7 I'm not the expert, so you better get an
8 occupational medicine expert on that one.

9 Q Well, are you telling me then you're not
10 an expert on hard metal disease?

11 A I've told you that several times.

12 Q Okay. But looking at it -- you deal,
13 Doctor, with diseases from workplace in your --
14 throughout your career, true?

15 A Would you say that again?

16 Q Diseases from workplace, asbestosis let's
17 say, and you would you agree, Doctor, if you take
18 the patient using -- or at least reduce the
19 exposure via a protective mask, the condition
20 usually doesn't worsen, true?

21 A Usually doesn't worsen as much, and
22 perhaps can be prevented from worsening at all.

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1 Q Okay. He first, as we note, saw
2 Dr. Carson on March 16th of '93?

3 .A Yes.

4 Q And he gave a history of having asthma,
5 true?

6 A It's recorded there patient has asthma
7 per Dr. Arora.

8 Q Now, what I'm hearing you say -- I
9 thought you said earlier that you believe that the
10 treatment rendered by Dr. Carson from March of '93
11 through February of 1994 of Mr. Diederich was
12 appropriate and within standards of care?

13 A Yes.

14 Q Okay. When he came in initially on
15 March 16th of '93, he came in with a history of
16 cough with production caused by activity, true?
17 And use your notes; it's not a memory game.

18 A He came in with complaints of cough and
19 upset stomach, upset stomach related to coughing
20 to a certain extent as well as to meals.

21 Q And the diagnosis made by Dr. Carson was
22 asthma on that date?

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1 A Yes.

2 Q Okay. And the treatment given to him on
3 that date was appropriate for the diagnosis of
4 asthma?

5 A I agree.

6 Q Okay.

7 (Short break taken.)

8 (The record was read as
9 requested.)

10 BY MR. POLITO:

11 Q Let's now go to July 30th of '93. We can
12 agree there was no respiratory complaints voiced
13 by the plaintiff on that date, true?

14 A On July 30th of '93?

15 Q Right. That was the problem related to
16 the testicle.

17 A Oh, I'm sorry. Yes.

18 Q And then the 8/6/93, we now know that
19 that was the wife's?

20 A Yes.

21 Q Okay. So let's now switch now to
22 August 17th of '93.

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1 A Yes.

2 Q Let me grab my notes from that. The main
3 reason for the follow-up on that visit, Doctor,
4 was for the problem with his testicle, true?

5 A Yes -- that's the initial complaint.

6 Q But during that, he gave a history of
7 having his asthma acting up, he's having
8 especially difficult time when he plays
9 basketball?

10 A Yes.

11 Q And if we assume again it's at least a
12 known causative factor to be exercise-induced
13 asthma, true?

14 A Yes.

15 Q And so we would agree that, as you told
16 us before, his treatment of the patient on that
17 date was within the standards of care?

18 A Yes.

19 Q And his treatment for the asthma was
20 appropriate?

21 A Yes.

22 Q Okay. We now go to August 31st of '93

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1 and we talked about it that this was -- he came in
2 with a sore throat?

3 A Yes.

4 Q And there were no respiratory complaints
5 voiced by the patient on that date?

6 A No complaints that are directly related
7 to his lungs.

8 Q Okay. The way Dr. Carson treated him was
9 he got a throat culture on him, diagnosed him with
10 pharyngitis and treated him with appropriate
11 medications, true?

12 A Yes.

13 Q So his treatment on August 31st, '93 was
14 appropriate and within the standards of care?

15 A Yes.

16 Q He now comes back on October 11th of '93,
17 and on that date he has a complaint of a headache,
18 mucous drainage and a cough and feeling weak and
19 having some hot and cold spells?

20 A Yes.

21 Q This from review of the records -- strike
22 that. The symptoms -- strike that.

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1 Dr. Carson diagnosed him with
2 bronchitis on that day?

3 A Yes.

4 Q What is bronchitis?

5 A It means inflammation of the bronchi.

6 Q What other signs and symptoms of that?

7 A Coughing, phlegm production, sometimes
8 with fever, Chronic illness in the background,
9 such as chronic bronchitis or emphysema, then
10 there may be dyspnea as well.

11 Q Based on your review of that note from
12 that date, 10/11/93, were the symptoms and signs
13 consistent with bronchitis?

14 A Yes.

15 Q So his treatment of the patient on
16 October 11th, 1993 was appropriate and within
17 standards of care?

18 A Within a reasonable standard of care,
19 yes.

20 Q Now, out of caution on that date,
21 Dr.Diederich -- strike that -- Dr. Carson -- I
22 knew at some point I would do that because I

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1 always mismatch plaintiff and defendant.

2 Out of caution --

3 A We can't tell you guys apart either.

4 Q Yeah, good.

5 Out of caution, Dr. Carson ordered
6 an x-ray on that date, did he not?

7 A He wrote await radiology interpretation
8 of x-rays, so I say it as a yes.

9 Q And as you told us, Doctor, you had a
10 chance to review those x-rays, did you not?

11 A Yes.

12 Q I want to hand you, Doctor, the October
13 11th, '93 films and ask you to interpret them for
14 me.

15 A We're going to have to hold these up
16 against the light here.

17 MR. POLITO: Take whatever light you
18 want, Doctor.

19 THE WITNESS: This is difficult for a
20 couple reasons. One is we don't have an
21 optimal view box. Another is because some of
22 these films don't have an optimal exposure but

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1 we'll will do the best we can.

2 MR. POLITO: Doctor, if you think there
3 is more light over here, you get whatever
4 light you need.

5 My question is what is your
6 interpretation.

7 MS. TAYLOR-KOLIS: As a pulmonologist?
8 Obviously -- radiologist, but as a
9 pulmonologist --

10 MR. POLITO: Well, as a physician who
11 regularly reads chest x-rays based on his
12 previous testimony.

13 MS. TAYLOR-KOLIS: Okay.

14 THE WITNESS: Well, the heart shadow too
15 is a little larger than I expect to see in a
16 28-year-old man. It may be large enough to
17 say that it's cardiomegaly. It's right on the
18 border there.

19 There is also some increased density
20 beginning at the left hilum extending
21 downward. Rather relatively well-defined
22 linear density.

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1 Well, actually, there are two streaks
2 like this extending downward from the hilum.

3 BY MR. POLITO:

4 Q I'm sorry, you mean the left hilum?

5 A Downward from the left hilum behind the
6 heart. In all probability, it's behind the heart.

7 Q Okay.

8 A And in the upper lung fields there is
9 slight -- some extenuation of the lung markings.

10 Q Meaning what?

11 A Extenuation of the normal lung markings,
12 which is nonspecific and if it was the only
13 abnormality I've seen, I would say nothing more
14 than slight increased lung markings in the upper
15 lung field.

16 Q So if Dr. Brower after reviewing that
17 x-ray were to write down his interpretations in
18 his office note, what would you write down based
19 on what the patient came in for and --

20 A Yeah. I would say the film is consistent
21 with bronchitis or asthma, but that the streak
22 extending from the left hilum is not typical for

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1 asthma and should be followed up.

2 Q Do you see any fibrotic scarring on that
3 x-ray?

4 A No. I don't see any markings that really
5 represent fibrotic scarring.

6 Q I'm going to hand you, Doctor, what's
7 been the -- interpretation of Dr. Higgins from
8 10/11/93.

9 Do you agree with that radiologic
10 interpretation?

11 A Not only do I agree with it; I think my
12 interpretation is virtually identical.

13 Q Okay. Is there any evidence then of
14 interstitial lung disease on the 10/11/93 film?

15 A No.

16 Q Okay. He doesn't then come back to see
17 Dr. Carson until February 1st of '94, true?

18 A Yes.

19 Q Is there any evidence you're aware of,
20 Doctor, that the patient did not respond to the
21 treatment given to him by Dr. Carson during the
22 year 1993?

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1 A I have no information here that says he
2 did or not respond.

3 Q Okay. And you say in your report that as
4 of the time of February 1994, I believe you use
5 the term there had been six visits dealing with
6 respiratory complaints. We now know that's
7 incorrect, true?

8 A We know that the visit in August, I think
9 6th, was the wife's visit. So there are five.

10 Q Well, there were five visits, but you say
11 five visits dealing with respiratory complaints.
12 That's not true is it, Doctor?

13 A Well, let's count up again.

14 Q Okay, let's count.

15 A And we may have to argue over the
16 definition of respiratory there. To me, the nose
17 and the throat are part of the respiratory system.
18 We like to say the nose is a part of the system we
19 can reach with a finger.

20 If I include the visit for the sore
21 throat, then I have one, two, three, four, five
22 including February 1st.

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1 Q Including February 1st?

2 A Yes.

3 Q But if we don't include it, Doctor, and
4 there was all indication that the sole complaint
5 he came in on the one date was for sore throat,
6 there were no -- anything at all dealing --
7 there's no cough reported, nothing that deals with
8 the lungs at all, true?

9 A Yes.

10 Q Okay. So bear with me. If we go --
11 because based on what you told me were the major
12 symptoms of hard metal disease, pharyngeal is not
13 one of the major symptoms, is it?

14 A I believe pharyngitis is one of the
15 symptoms of a hard metal disease.

16 Q One of the cardinal symptoms of
17 pharyngitis?

18 A I don't know if cardinal symptoms -- how
19 I can tell you cardinal symptoms as part of a
20 disease that I'm not sure I've ever seen.

21 Q Fair enough. So we're debating it's
22 either the three or four times over a -- almost a

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1 year period of time?

2 A I think you're debating four or five
3 times.

4 Q No, I'm debating three or four.

5 MS. TAYLOR-KOLIS: He's excluding --

6 MR. POLITO: I'm excluding February 1st.

7 THE WITNESS: Oh, excluding February 1st?

8 Yes, three or four.

9 BY MR. POLITO:

10 Q Okay. On February 1st, now, he comes in
11 and he talks about -- cold symptoms times two
12 days, getting worse, aching all over. He also
13 talks about a severe cough due to asthma, so
14 severe that the patient does vomit and this has
15 been occurring for the past two years.

16 A We're talking about February 1st?

17 Q Right.

18 A Yes.

19 Q Did you ever see that reported to any
20 other physician prior to February 1st of '94 that
21 he had coughed that much?

22 A So much that he vomited?

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1 Q Yeah.

2 A I don't recall that he did.

3 Q Or that it was a chronic as opposed to an
4 episodic cough?

5 A I'm sorry, would you say this last thing?

6 Q That it was a chronic versus an episodic
7 cough?

8 A I don't think there is a recording in
9 these notes that tells us much about the intervals
10 between the visits --

11 Q Okay.

12 A -- except for the reason that patient is
13 coming to the doctor shortly before the visit.

14 Q But one of the things we do know is he
15 was not using his inhaler as instructed on his
16 visit?

17 A Well, it says that his inhaler seems to
18 be provoking coughing instead of curing it.

19 Q Okay. Now, on that date he did have
20 decreased breath sounds in the left, true?

21 A Yes.

22 Q Which would make you suspicious for a

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1 possible pneumonia?

2 A There is a few things that can cause
3 decreased breath sounds.

4 Q One of them being pneumonia?

5 A Pneumonia frequently causes -- it usually
6 causes some different breath sounds, some
7 crackles, some increased transmission of the
8 airway noises. Decreased breath sound. I
9 wouldn't put pneumonia top on my list.

10 Q What would you put at the top of your
11 list?

12 A Pleural fusion, pleural thickening,
13 hemalpyema, atelectasis.

14 Q One of the things you'd like to get
15 though is a chest x-ray?

16 A Sure.

17 Q As a reasonably prudent physician on that
18 date --

19 A Yes.

20 Q -- you would want to get a chest x-ray?

21 A Yes.

22 Q Okay. And he did get a chest x-ray on

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1 that date, did he not?

2 A Yes.

3 Q I'm going to hand you what about --
4 strike that.

5 I'm going to hand you the two films
6 from the February 1st of '94 and ask you if you
7 could again interpret them for me.

8 A These films are substantially the same as
9 the previous films except that the heart does not
10 appear as enlarged.

11 The infiltrates from the left hilum
12 don't show as prominently, but they are there.
13 And the increased markings in the upper lung
14 fields I noted on the previous films are there and
15 perhaps slightly more apparent.

16 Q Is there any evidence of interstitial
17 fibrosis on those films?

18 A There is no definite evidence of
19 interstitial fibrosis.

20 Q In retrospect is there evidence of
21 interstitial fibrosis?

22 A These are not good films to support that

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1 diagnosis.

2 Q So if you were interpreting those films
3 of/2/1/94, what would your interpretation be?
4 What would you write down in your chart?

5 A I would say these films are consistent
6 with asthma or bronchitis, the clinical diagnosis,
7 but that persisting infiltrates starting from the
8 left hilum remains unexplained.

9 It could -- noting that that's been
10 there essentially unchanged for months, it's
11 likely something that's been there and going
12 nowhere. A scar perhaps.

13 The peculiar markings in the upper
14 lung fields, having seen them twice now, are a
15 little worrisome and are not explained by asthma.
16 And a 28-year-old with bronchitis, I'm not
17 satisfied that this is just acute bronchitis that
18 we should treat and leave it alone and --

19 Q Based on --

20 A -- then it will go away.

21 Q Based on those upper markings?

22 A These markings in the upper lung field,

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1 seeing them a second time are -- they catch my
2 eye.

3 Q I'm going to hand you what is
4 Dr. Martinez's interpretation from February 1st of
5 '94, his radiology interpretation.

6 Do you agree with that?

7 A Except for the omission of the peculiar
8 markings in the upper lung fields, I agree.

9 Q Which you saw on the previous films?

10 A Yeah. Let me add that when I look at the
11 first -- the first time and having seen the
12 previous films, those markings don't catch my eye
13 enough to comment on them. Knowing that those
14 markings are there on a subsequent film, it is
15 important.

16 Q Normally does the radiologist compare
17 films?

18 A Some do and some don't.

19 Q But at least as it was reported to
20 Dr. Carson, there was no -- no comment made about
21 these markings in the upper lung fields, true?

22 A Correct.

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1 Q And you said that the fact that he had
2 these markings, you wouldn't think that this is
3 bronchitis?

4 A I wouldn't write that off to a simple
5 case of acute bronchitis in a 28-year-old.

6 Q But based on this report as given to you
7 by the radiologist, bronchitis certainly would be
8 within your differential?

9 A That report is consistent with acute
10 bronchitis.

11 Q And his treatment of the bronchitis on
12 that date was appropriate?

13 A I'll agree to that.

14 Q Okay. He comes back in then on 2/28/94,
15 correct?

16 A Yes.

17 Q At that time he's going to get a repeat
18 chest x-ray because of this questionable
19 infiltrate raised by the radiologist on the
20 previous film?

21 A Yes.

22 Q He has a positive cough at that time with

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1 production, true?

2 A Yes.

3 Q He has sinus drainage and congestion?

4 A Yes.

5 Q He has a headache with nausea and
6 vomiting?

7 A Yes.

8 Q Chest tightness?

9 A Yes.

10 Q And no temperature or chills?

11 A Yes.

12 Q Okay. On that date it was a normal lung
13 exam, true?

14 A Lungs were described as clear without
15 wheezing, good air entry.

16 Q Could -- based on that reading of that
17 previous chest x-ray, could someone assume that
18 that was a small pneumonia?

19 A Are you referring to the --

20 Q 2/1/94.

21 A -- infiltrate extending from the left
22 hilum?

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1 Q Yeah.

2 A I think knowing that that same infiltrate
3 is there on two films separated by several months,
4 I wouldn't say it's just a small pneumonia. It's
5 more likely something even less significant than
6 that. It's more like a scar.

7 Q Okay. He gets a chest x-ray.
8 Appropriate thing to do on that day just to see --

9 A Not unreasonable because the working
10 diagnosis at that time was that he had some
11 pneumonia.

12 Q And you would hope that with the
13 antibiotics he had prescribed on February 1st of
14 '94 the pneumonia would clear?

15 A Yes.

16 Q I'm going to hand you the x-rays for
17 2/28/94, and if you could tell me what your
18 interpretation of those films are.

19 A These are unchanged from the examination
20 four weeks previous.

21 Q You still see that left -- hilum
22 infiltrate?

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1 A Yes.

2 Q You still see those upper lung markings?

3 A Yes.

4 Q Certainly they have been there now three
5 times?

6 A Yes.

7 Q Okay. And do you see any evidence of
8 interstitial fibrosis?

9 A There's no good evidence of it.

10 Q Could those upper lung markings if they
11 continue to persist be suggestive of interstitial
12 fibrosis?

13 A I'll agree to suggestive, but I wouldn't
14 put that at the top of my list of explanations for
15 that.

16 Q Okay. But certainly you as a family doc
17 would hope that the radiologist would at least
18 comment to put you on notice there may be some
19 abnormalities in the lungs, true?

20 A Yes.

21 Q As of this time, he's had two chest
22 x-rays and no one is yet to comment on those upper

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1 markings, true?

2 A They're for each of those x-rays.

3 Q Well, we're going to get to the third
4 one. We haven't seen the report yet. But at
5 least on the previous two, there's been no comment
6 by the radiologist to Dr. Carson that there's been
7 upper markings -- markings in the upper lung
8 fields, true?

9 A In the first two x-ray reports you asked
10 me to look at, that is correct.

11 Q Okay. I'm going to ask you now to look
12 at the report of Dr. Higgins dated 2/28/94.

13 A (Witness complies.)

14 Q And I'm going to ask you if you agree
15 with that interpretation.

16 A Well, this report says that previously
17 identified small perihilar infiltrate has cleared
18 in the interval since 2/1/94, and I don't agree
19 with that.

20 Q Okay.

21 A And as in the previous reports, there is
22 no comment about the abnormalities in the upper

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1 lung fields.

2 Q So now we have three times where the
3 radiologist failed to communicate to Dr. Carson
4 that there were upper markings in the -- abnormal
5 markings in the upper lung fields?

6 A Yes.

7 Q And what this suggests, Doctor, based on
8 this radiology report, that the pneumonia he was
9 thinking about had cleared with appropriate
10 treatment?

11 A Yes.

12 Q That would be a reasonable
13 interpretation?

14 A It would certainly be reasonable by
15 Dr. Carson's holding that report.

16 Q So it's fair to say then his treatment as
17 of February '94 on those two visits, February 1st
18 and February 28th of '94, was within appropriate
19 standards of care?

20 A Yes, I'll agree to that, but what's
21 starting to bother me here is that this is a young
22 man who keeps coming back to the doctor with

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1 respiratory complaints and they -- it's not
2 unreasonable that he was being treated as asthma,,
3 but some of the complaints are atypical, some of
4 the findings on the examination are atypical.

5 The x-ray is not entirely explained
6 by asthma. So I'm starting to worry at this point
7 that this is not just -- case of asthma.

8 Q What on the x-ray is not explained by
9 asthma?

10 A It's that infiltrate at the left hilum
11 and the upper lung field abnormalities. Now, I
12 know the upper lung field abnormalities we can't
13 hold Dr. Carson responsible for.

14 Q And as of February 28th we can't even
15 hold him for the perihilar region because it
16 would -- they said it went away?

17 A I'll agree to that.

18 Q So based on the chest x-ray, everything
19 is going along fine. As of February 28th, '94
20 he's got a clean lung according to the
21 radiologist, true?

22 A I'll agree. Let's take the x-ray

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1 evidence off the table in relation to my thinking
2 about the management. I still think at this point
3 the light is starting to go on, at least in my
4 mind in what I think about this case starting on
5 3/16/93, this is not a run-of-the-mill case of
6 asthma.

7 Q But as of February 28th of '94, so I'm
8 clear -- so from March 16th of '93 up and
9 including February 28th, 1994, was his treatment
10 and care of Mr. Diederich within reasonable
11 appropriate standards of care?

12 A I'm going to agree to it.

13 Q Okay. Let's -- and is there any reason
14 to believe, Doctor, from March of '93 through
15 February of '94 that the patient was not
16 responding at least to the medical management
17 given to him by Dr. Carson?

18 A Well, he keeps coming back with cough,
19 mucous.

20 Q You keep coming back. I mean, you're
21 talking over a period of about a year coming back
22 on -- what did we count -- five occasions?

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1 A I think that's right.

2 Q Okay.

3 A From March 16th to February 1.

4 Q Okay. But during that period of time, he
5 came in with differing things other than asthma.
6 He came in with bronchitis as well?

7 A I think it's reasonable to think when he
8 comes in at that time that he's got an acute
9 bronchitis which combines with asthma making him
10 uncomfortable.

11 It's sad that 28-year-olds who don't
12 smoke apparently don't get that acute bronchitis
13 unless they have influenza or something like this
14 and 28-year-olds, 28-year-old men, generally don't
15 keep visiting the doctor with complaints such as
16 this.

17 Q But you don't --

18 A But in total, you know, as the repeated
19 visits happen with similar complaints, it starts
20 making a point in my mind.

21 Q Have you done any statistical analysis of
22 28-year-olds, how often they visit a doctor?

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1 A No.

2 Q Okay. So really it's patient specific.
3 Some patients may come to the doctor more often;
4 other patients hate doctors and they don't want
5 to -- they never see them, true?

6 A True.

7 Q So they go in a spectrum. So the fact
8 that this patient came in five times over a period
9 of a year as opposed to somebody coming in nothing
1.0 should --

11 A That alone doesn't prove anything, but
12 each patient has to be considered an individual.
13 That's what you're saying. And after several
14 visits, some alternative thoughts should be
15 crossing the mind, either that this is not an easy
16 to manage case of asthma or that perhaps there is
17 something else going on.

18 Q Okay. Let's go to the next visit of
19 6/6/94. He comes in and complains of a chronic
20 cough, coughing fits that lead to vomiting. He
21 talks about symptoms are worse at work. At least
22 this is the history reported to the nurse.

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1 A Yes.

2 Q He talks about this chronic sinus
3 drainage and then he has this pressure and
4 headache in the back of the head.

5 A Yes, and he is losing weight.

6 Q Was he losing weight?

7 A Well, Dr. Carson records that the patient
8 is also losing weight, and by our report, a total
9 of nine pounds. I think I recorded some weights.

10 Q He was 170 in March of '93 and 152 at
11 this point?

12 A That's sound like some weight loss.

13 Q Okay. If this is persistent, you would
14 expect it to continue that way, true, Doctor?

15 If the weight loss is somehow
16 related to this whole pendular thing, you would
17 expect him to continue to go on a downward curve?

18 A I think that's the case, but it doesn't
19 continue to nothingness obviously.

20 Q Right. What was his -- a year later when
21 he saw him --

22 A It stabilized and then fluctuated up.

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1 Q Matter of fact it was 165 July of '95 and
2 169 in '96?

3 A At this point Dr. Carson doesn't know
4 what's going to happen with weights in the future
5 and it's at this point that I think the patient --
6 sufficient concerns from experience on the medical
7 record to say that the patient either has a tough
8 case of asthma or some other respiratory complaint
9 and probably should be referred to a specialist.

10 Q If Dr. Carson felt comfortable with
11 handling a tough case of asthma, do you fault him
12 for not referring?

13 A I think I need to know some more about
14 experience and training in relation to that.

15 Q Fair enough. I agree with that. I
16 mean -- so do you know what his experience and
17 training was with asthma as of 1995, how many
18 people he had treated with that condition?

19 A All I know is that he's trained in family
20 medicine, which is a broad specialty, and by
21 virtue of how broad it is, the training specific
22 to respiratory disease cannot be as deep as a

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1 specialist's.

2 Also that the experience is very
3 broad, and so the number of patients with asthma
4 is not as great as somebody who is an asthma
5 physician, and the that family physicians
6 generally manage the cases that are not terribly
7 difficult because when they get more difficult,
8 they frequently are referred to specialists.

9 Q But, Doctor, there are family doctors
10 that handle the tough cases of asthma, are there
11 not?

12 A I'm sure you're right.

13 Q You don't know what Dr. Carson's
14 experience was with asthma and the number of
15 asthma patients he had both easy and tough as of
16 1995, do you?

17 A No. Being provided some evidence such as
18 that, I would be happy to reconsider my opinion.

19 Q As a matter of fact that was one of the
20 things you said in the standard of care was what
21 their experience was with that type of patient,
22 true?

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1 A Well, maybe we should go back and reread
2 that. I said similar training and experience. I
3 didn't say identical training and experience. And
4 importantly, we're talking about the same kinds of
5 patients in this respect. Training has
6 similarities and standards are no secret to people
7 who don't work in offices, just as the standards
8 of care that I try to uphold in the intensive care
9 unit are no secret to Dr. Carson or anybody else,
10 some of those standards.

11 Q May or may not agree with you on that,
12 Doctor.

13 A Okay.

14 Q One of the things he did talk about
15 though when he met with Dr. Carson, that the
16 symptoms he was having was worse after meals.

17 What significance did that have to
18 you?

19 A That's a tough one. There are some
20 patients who have some reflux from the stomach up
21 through the esophagus leading to a little bit of
22 coughing -- or actually some aspiration. Maybe

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1 that's exacerbated after eating but usually that
2 problem is when a patient is supine. I'm not sure
3 what that means.

4 Q But one of the things that certainly you
5 would want to think about is this reflux disease,
6 true?

7 A Yes.

8 Q Matter of fact that's one of the things
9 that Dr. Carson talked about on 6/6/94, did he
10 not?

11 A Yes.

12 Q So one of the things -- he's trying to go
13 through his differential and one of the things
14 he's thinking about with this cough is that it
15 might be secondary to reflux disease because at
16 least the history that was reported to him was
17 that it seems to be worse after eating?

18 A Yes.

19 Q Okay. And he gave him medications for
20 reflux disease, did he not?

21 A Yes, he did.

22 Q Propulsive?

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1 A Yes.

2 Q And he also thought, you know, maybe
3 another thing that could be causing this is
4 allergies, true?

5 A As he's previously considered that.

6 Q Right. And so he gives something that
7 may be to treat possible allergies as well?

8 A We're reading the same record.

9 Q Okay. So it's a case where he's trying
10 to determine what's causing this patient's
11 symptoms?

12 A Yeah, I'll agree with that.

13 Q Okay.

14 A But my point is that after over a year of
15 this, maybe it's time to reach out for some help.

16 Q But it would be within standards of care
17 for a physician to at least first attempt to work
18 it out himself?

19 A And he has for over a year.

20 Q Well, we're not talking about the same
21 thing over a year, are we, Doctor?

22 A Well, we're talking about respiratory

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1 symptoms which are not well explained up to this
2 point.

3 Q We may beg to differ on that because one
4 could at least explain a portion of the
5 respiratory complaints he had, at least in October
6 and February, due to a possible pneumonia, true,
7 that eventually cleared because there was a left
8 perihilar seen there in October, a left perihilar
9 abnormality seen there in February 1st, and by the
10 time of the February 28th visit that had cleared?

11 A Yeah. I'm willing to take the x-rays off
12 the table altogether. I don't think that's
13 Dr. Carson's problem.

14 Q But he can't take them off the table. He
15 has something that could explain this man's
16 symptoms, true?

17 A Yeah, I'm going to stick with my
18 position. I think in June of '94 there was enough
19 difficulty in managing the respiratory symptoms in
20 a 28-year-old guy. This is not an old person who
21 has smoked for a long time. It's a young man who
22 doesn't smoke and whose symptoms are not typical

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1 of asthma, whose signs are not typical of asthma.

2 Q Let's talk about what symptoms he had.
3 Cough?

4 A Yeah, that's typical but he -- did the
5 patient ever come in and complain of wheezing? I
6 don't think he ever did. Does the patient have
7 wheezes? I think wheezes are noted once. In
8 contrast, several times the lungs are auscultated
9 and they are described as being quiet.

10 Q Did you read Dr. Mehta's deposition where
11 he talks about wheezing? I think he made a
12 comment that -- let me see how he said it. The
13 fact that when the patient sees the doctor, the
14 wheezing might not be there?

15 A Correct. And on a single visit I
16 wouldn't fault anybody for saying this is probably
17 asthma but after several visits --

18 Q But it wasn't always asthma on every
19 visit, was it, Doctor? You had asthma involved in
20 there. You had bronchitis involved in there. You
21 had pneumonia involved in there.

22 A Well, that's what is assumed on those

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1 diagnoses. That's the hypothesis, but after
2 several visits I think some -- a light should be
3 going on at this point. I think the standard of
4 care is that the light must go on.

5 Q Okay. He treats in that and he comes ---
6 he goes to the emergency room. You're aware of
7 that?

8 A We're talking about the next year?

9 Q No, that is June of '94.

10 A Yes. June 13th, '94. There's a note to
11 this effect.

12 Q What was the diagnosis made in the
13 emergency room of this patient?

14 A May I have just a moment, please? My
15 notes say that he received Proventil aerosol,
16 which is a medication given for asthma. I didn't
17 transcribe what the diagnosis was. Should we have
18 a look at that and then I'll tell you what they
19 say?

20 Q Feel free to.

21 MS. TAYLOR-KOLIS: You need to look in
22 your records because we didn't get a complete

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1 set of his records initially.

2 MR. POLITO: Our flight is leaving in
3 five minutes, Doctor.

4 THE WITNESS: My meter is running. I
5 should be looking under Elyria Medical?

6 MR. POLITO: Yeah -- no, Elyria Memorial
7 Hospital, Doctor.

8 MS. TAYLOR-KOLIS: This first section
9 is -- June of '96 hopefully.

10 THE WITNESS: I think we're close.
11 June 13th of '94, right?

12 MS. TAYLOR-KOLIS: Right. I'm sorry, he
13 said '96.

14 THE WITNESS: Importantly it says the
15 lungs are absolutely clear without rales or
16 rhonchi. I know you didn't ask me that, but
17 it belongs here.

18 I'm not finding a diagnosis.

19 MR. POLITO: Well, I think he diagnosed
20 an upper respiratory infection with bronchial
21 spasm.

22 THE WITNESS: Okay. If you say so.

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1 BY MR. POLITO:

2 Q I don't want you to agree with anything
3 that -- not your choosing many times -- sometimes
4 it's not. URI with bronchial spasm (Indicating).

5 A Okay.

6 Q So what he's being diagnosed with is an
7 upper respiratory infection, true?

8 A That's what the doctor who saw him on
9 this date said.

10 Q You disagree with that diagnosis by the
11 ER doctor?

12 A With the benefit of hindsight I do, but I
13 think with the benefit of knowing where the
14 patient came from starting in March of '93,
15 Dr. Carson might have also started to get his
16 light a little brighter.

17 Q My question is, is do you disagree, was
18 it the ER doctor who came up with the diagnosis of
19 an upper respiratory infection with broncho spasm
20 below standard of care for reaching that
21 conclusion?

22 A With that ER doctor, no, I have no

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1 argument with the ER doctor having put it together
2 and what he said --

3 Q One of the things they do raise is that
4 the patient might have an enlarged heart, true?

5 A Yes.

6 Q And one of the things that Dr. Carson did
7 at that time was because that possibility was
8 raised, he referred him over to a cardiologist?

9 A I understand he had an echocardiogram.

10 Q Which was normal?

11 A Yes.

12 Q Is that an appropriate thing to do,
13 Doctor?

14 A Not unreasonable considering the thought
15 that his heart is enlarged.

16 Q He then follows up on the 16th with
17 Dr. --

18 MS. TAYLOR-KOLIS: Carson.

19 MR. POLITO: -- Carson. Thank you. And
20 now he's only having an occasional cough,
21 correct?

22 THE WITNESS: Let's look directly at the

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1 notes. Yes, the patient is occasionally
2 coughing and has vomiting with coughing fits.

3 BY MR. POLITO:

4 Q I think at that time that's when he
5 referred him over to have the echocardiogram done?

6 A He did refer him for the echocardiogram
7 on this date.

8 Q What is your understanding as of this
9 date what medications this patient was taking?

10 A Dr. Carson writes: In the meantime we
11 will consider the same medicines and doses. Then
12 we'd have to go back to previous notes to see --

13 Q Then we can assume they were either
14 medications to treat him for his asthma, true?

15 A Yes.

16 Q Okay. Now, he doesn't see -- come back
17 to see the patient -- the patient doesn't come
18 back to see him for over a year, correct?

19 A Yes.

20 Q How did he do in that year interval?

21 A I have no information.

22 Q Did he continue to have cough during that

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1 period of time?

2 A The next time he comes, I think he
3 complains he has three years of coughing so --

4 Q To your knowledge did he ever contact
5 Dr. Carson during that -- from June of '94 through
6 July of '95?

7 A Not to my knowledge.

8 Q Certainly, Doctor, you would expect
9 during that period of time if indeed he was
10 getting worse, you would have expected him to call
11 some doctor, true?

12 A Many patients would. And I guess I would
13 expect this one to because he had come several
14 times prior to this.

15 Q Right.

16 A Some patients, you know, get frustrated
17 with how things are going and shrug their
18 shoulders and say what's the point.

19 Q Okay.

20 A And then some patients have other
21 problems in getting to doctors, you know,
22 insurance problems and so on. I don't know what

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1 the reason is.

2 Q But you don't know why Mr. Diederich
3 didn't come back for over a year if indeed he was
4 getting worse, do you?

5 A Correct. I don't know why.

6 Q Matter of fact, over the next
7 two-and-a-half years, from June of '94 through
8 December of '96, he only saw a doctor twice, true?

9 A From June of '94 he saw -- he saw
10 Dr. Carson .inJuly of '95 and then in May of '96.

11 Q And then he went to the Mediclinic in
12 December?

13 A I think he went there in August.

14 Q What did he go there in August for?

15 A Sinusitis.

16 Q Was he diagnosed with sinusitis at that
17 time?

18 A The diagnosis given to him was sinusitis.
19 I didn't record in my notes here that I'm
20 referring to what he complained of.

21 Q But in terms of seeing this physician
22 then from June of '94 through December of '96 he

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1 saw him two-and-a-half year period of time twice?

2 A June of '94 to December of '96?

3 Q Yeah.

4 A Including December '96 or not?

5 Q Yeah.

6 A Dr. Carson saw him on June 16th,
7 July 31st, May 6th and then December 9th.

8 Q He didn't see Dr. Carson on December 9th;
9 he went to the Mediclinic.

10 A Correct. Thank you.

11 Q I'm talking about then from June 17th of
12 '94, your birthday and mine -- we both have
13 June 17th birthday; we wish it was '94 at this
14 point -- but from June 17th of '94 up until
15 December of '96, so two-and-a-half years --

16 A Yes.

17 Q -- he saw this physician twice?

18 A I thought I just had it three times.

19 Q No, I'm talking about the day after the
20 visit, Doctor.

21 A Okay. So you want me to start counting
22 after --

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1 Q Right.

2 A -- after that last visit in '94?

3 Q Right.

4 A Correct.

5 Q And you have no idea of what his
6 condition was during those two-and-a-half years,
7 do you?

8 A I have no direct information telling me
9 what his condition was.

10 Q You don't know if he responded to
11 treatment during that period of time?

12 A I don't have any direct information.

13 Q You don't know what medications, if any,
14 he took during that period of time, true?

15 A True.

16 Q You don't know if he indeed responded to
17 the medications or didn't respond to the
18 medications during that two-and-a-half year period
19 of time?

20 A I have no direct information telling me
21 that he responded or didn't respond because the
22 only thing I have is what I see during the time

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1. that he's seeing Dr. Carson frequently on these
2 medications.

3 Q He then came back in July of '95 for this
4 visit. Again, he's complaining of cough, some
5 right rib pain, true?

6 A Yes.

7 Q He treats him as reactive airway disease.
8 Are we talking one .inthe same thing with asthma?

9 A We frequently use that term synonymous --
10 to be synonymous with asthma.

11 Q He again treats him as -- as if he has
12 asthma, true?

13 A Yes.

14 Q Okay. And what he tells him is follow up
15 will be dependent on response to above?

16 A Yes.

17 Q So what do you understand that to be?

18 A If you take these medications and you
19 feel better, keep taking them and if they don't --
20 if you don't feel better, we'll get together again
21 and see where it leads.

22 Q Does he come back?

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1 A Next visit after 7/31/95 is 5/6/96.

2 Q So could Dr. Carson assume, based on the
3 fact that he doesn't come back for a year, that
4 he's responding to the treatment?

5 A If he has no other information available
6 to him, then it's not an unreasonable conclusion.
7 Of course, it's a simple thing if he was asked how
8 are you doing and are these medications working,
9 are you feeling better now than you did before you
10 got these medications.

11 Q But you get a patient on medication and
12 you tell him we'll follow up depending on if you
13 respond to that, again, do you think it's the
14 patient's responsibility, if he doesn't respond,
15 to call Dr. Carson back and say these aren't
16 helping at all?

17 A Yes.

18 Q He also gets a chest x-ray on 7/31/95,
19 true?

20 A Yes.

21 Q Okay. I'm going to hand you those chest
22 x-rays.

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1 A One of things I've learned in a pulmonary
2 fellowship is whenever you look at films, make a
3 criticism of the films, that way if you make a
4 mistake -- these films are -- the exposure is not
5 good. They are -- we lose all the detail of the
6 lung -- they are overexposed films.

7 And so I can't make any comment
8 about those peculiar markings in the upper lung
9 fields that I said about previous films.

10 The heart shadow is similar. It's
11 borderline large. The quality, the exposure of
12 this film allows us to see more vividly the
13 peculiar infiltrate extending from the left hilum.
14 You can see it here (Indicating).

15 Q Okay.

16 A That's as much as I can say about that
17 film.

18 Q I mean, is this a film that you think
19 that should have been redone or is it enough
20 for --

21 A I guess that depends on the context.

22 Q If you're getting a chest x-ray as a

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1 family doc and you're relying on the radiologist
2 to give you a correct interpretation, I mean, is
3 that x-ray good enough to give this doctor some
4 clue as to what's going on?

5 A Well, I'm going to think really carefully
6 about this one because at this point I think it's
7 not reasonable to be going on a diagnosis of
8 asthma or repeated episodes of bronchitis or even
9 a combination of acute bronchitis and the
10 background of asthma, and so I think it's
11 important to get as much good information as you
12 can.

13 As I commented earlier, I think this
14 patient should have been seen by a specialist
15 before this point. So I know I'm digressing.
16 Yeah, I think that film is not very good.

17 Q So the radiologist should have had it
18 repeated?

19 A It's a hard one to respond to. Can I see
20 the radiologist's reports because I'd like to
21 think where the comment was made, that this was a
22 sub-optimal exposure, and if so, then I think the

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1 responsibility by the referring physician is to
2 say I need a better film than this, and there is
3 no comment about sub-optimal exposure.

4 Q So what that radiologist is telling
5 Dr. Carson that as of July 31st of '95 he has a
6 clean chest x-ray, true?

7 A Yes.

8 Q Find no abnormalities on the chest x-ray
9 at all?

10 A That's how I would interpret that piece
11 of paper.

12 Q Okay. Which is different from what your
13 findings were?

14 A Well, I pointed out that there was that
15 persistent opacity coming from the left hilum.

16 Q And he makes no comment of that?

17 A Correct.

18 Q Matter of fact, on the previous film
19 there was no perihilar infiltrate found?

20 A The radiologist did not comment on it; I
21 saw it.

22 Q I know you saw it, but he said that on

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1 view that that had gone away, cleared in the
2 interval?

3 A Uh-huh.

4 Q And you disagree with that?

5 A I disagree with that.

6 Q And you agree that there's no mention
7 made in the July 31st, '95 about this perihilar
8 infiltrate?

9 A I disagree with a reading that doesn't
10 mention it.

11 Q So as of July of 1995, what Dr. Carson is
12 left with is a chest x-ray that shows no
13 abnormality, true?

14 A Agreed.

15 Q And you keep coming back, Doctor --
16 family docs who practice out there, do they treat
17 patients with asthma over many, many years?

18 A Frequently do.

19 Q I had asthma as a kid and I remember
20 going a couple times a year to the doc with
21 episodic flare-ups of asthma. Not unusual, is it?

22 A Not unusual to have episodic flare-ups.

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1 Q So it's not unusual for a patient to come
2 to a doctor a couple times per year over many,
3 many years for episodic flare-ups of asthma, true?

4 A A couple of times -- a couple means two?

5 Q Yeah.

6 A We are not talking about two during the
7 key year from my point of view, or the year or a
8 year and a few months starting February or March
9 of '93. Also I think the analogy to your
10 experience as a kid is not fair because --

11 Q Let me --

12 A -- medicine has evolved since then and we
13 do have better availability for physicians and
14 specialists and --

15 Q But, Doctor, isn't it true even as we sit
16 here today, there are patients going to family
17 doctors on a biyearly basis with flare-ups of
18 asthma?

19 A Yes.

20 Q And that's not an unusual occurrence as
21 of today?

22 A I agree.

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1 Q And if we take this man out in terms of
2 over the period of time from '93 to '96 -- so one,
3 two, three, four years, '93, almost the entire of
4 '93, '94, '95, '96, he had nine visits, possibly
5 ten, for respiratory complaints?

6 A Yes. Well, I think I'm going to argue
7 with you here on a couple of things. First, from
8 my point of view, the critical interval in terms
9 of the management and the opportunity to maybe
10 have a different outcome is in that year and a few
11 months starting in March of '93 as I said a moment
12 ago.

13 And if you stretch out the interval
14 beyond that and divide the number of visits by a
15 longer interval, you come up with a lower quotient
16 but that's not relevant to the malogram I see.

17 Q So we --

18 A Moreover, I disagree with the thought
19 that you can look at a single visit and say was
20 his management okay on a single visit. You have
21 to look at the whole, the whole picture, the
22 number of visits, the atypical presentation and so

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1 on and so forth.

2 Q So what you told me, Doctor, is up until
3 June of '94 you could buy that Dr. Carson's
4 treatment of his patient was within acceptable
5 standards of care, true?

6 A Yeah, I'm going to go to June of '94. In
7 my earlier letter to Mrs. Kolis I said February of
8 '94, but at that point I was thinking that that
9 visit by Mrs. Diederich was Mr. Diederich's, and
10 so if I take that out, then the experience part of
11 February '94 is not as intense in total. So
12 that's why I've just extended my number of months
13 below.

14 Q What is your opinion, Doctor, to a
15 reasonable degree of medical probability what this
16 man's total lung capacity was in June of 1994?

17 MS. TAYLOR-KOLIS: If you have one.

18 THE WITNESS: Well, yeah. I'll -- I'm
19 going to think out loud here, and I am not
20 sure if I'm going to come to an answer that
21 you will accept as a reasonable degree of
22 medical probability.

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1 If we take 60 percent total lung
2 capacity in February of '92, right, when
3 Dr. Arora saw him --

4 MR. POLITO: Right.

5 THE WITNESS: And we take about
6 40 percent when Dr. Mehta sees him in '97, and
7 the only reasonable way to estimate what
8 happened in between is to just -- is to say
9 that it was a gradual and constant reduction,
10 so with a little bit of arithmetic here, from
11 February of '94 to the summer of '97 is
12 approximately 7/97?

13 MS. TAYLOR-KOLIS: September of '92. I'm
14 sorry --

15 MR. POLITO: September of 92.

16 THE WITNESS: September of '92. Thank
17 you.

18 MS. TAYLOR-KOLIS: Sure.

19 THE WITNESS: '92. So let's add up the
20 number of months. We have two months short of
21 five years -- 58 months is a total experience
22 to lose -- to go from 60 to 40 percent, and

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1 60 percent of what I previously said is a
2 lower number. That's TLC to '92. Now, up
3 until what date did you want to make this
4 estimation?

5 MR. POLITO: Up until the time it was
6 diagnosed which you said was -- when was that?
7 In June of '97 it was diagnosed?

8 MS. TAYLOR-KOLIS: Sorry to be correcting
9 you. He already did that math, the 20 percent
10 that you wanted --

11 MR. POLITO: Oh, I'm sorry, I wanted to
12 go what it was then as of June of '94. I'm
13 sorry.

14 MS. TAYLOR-KOLIS: Sorry. Just to be
15 sure I've got it.

16 THE WITNESS: From 9/92 to 6/94 we
17 have --

18 MS. TAYLOR-KOLIS: September '92.

19 THE WITNESS: Yes. September of '92 to
20 6/94 is 21 months. So I have 21 in my
21 numerator and 58 in my denominator.

22 MS. TAYLOR-KOLIS: Use your calculator.

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1 THE WITNESS: It's right here. We used
2 to do this in our heads, right? I've
3 calculated that he's lost about 7 percent of
4 his TLC between Dr. Arora's evaluation and
5 6/94. So we're down to about 63 percent.

6 MR. REMINGER: 53 percent?

7 THE WITNESS: 53, yes.

8 BY MR. POLITO:

9 Q So that the record is clear, do you hold
10 that opinion to a reasonable degree of
11 probability?

12 A If I can put an approximately before that
13 53 percent, then I'll say yes to it. To a
14 reasonable degree of medical certainty, it was
15 approximately 53 percent.

16 Q Doctor, did you see in your review of the
17 records that once someone -- when the x-rays were
18 checked and went back and the fact that
19 interstitial fibrosis was seen on these earlier
20 films?

21 A Could you say that again? What?

22 Q Well, let's take it this way.

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1 A The first notation I know of suggesting
2 fibrosis on a chest film I think is when Dr. Dacha
3 sees him in '97.

4 Q And take a look at your report because I
5 think you made comment of it.

6 MS. TAYLOR-KOLIS: September, right?

7 MR. POLITO: Let me look at Dacha's
8 records. You go to Dacha's records and look
9 for the chest x-ray of March 26th, 1997.

10 THE WITNESS: (Witness complies.) You're
11 talking about a plain film or a CRG --

12 MR. POLITO: No, I'm talking about a
13 plain film, at least a -- you say a chest
14 radiograph on January 8th, '92 was recorded as
15 unremarkable. On March 26th, 1997 a chest
16 x-ray showed --

17 THE WITNESS: I'm reading from that
18 report, March 26th, 1997. It says
19 interstitial disease is seen in the lungs with
20 mild fibrotic changes present diffusely in
21 both lungs.

22 BY MR. POLITO:

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1 Q And what they talk about, there's been a
2 progression of this process when compared to the
3 previous film of 6/13/94, correct?

4 A Yes.

5 Q The way I interpreted that is this
6 radiologist felt that there was fibrotic changes
7 seen back in June of '94?

8 A Well, the radiologist explicitly says
9 there has been progression of this process when
10 compared with the previous exam of 6/13/94.

11 Q And when looking at the x-rays from June
12 of '94, no one reported to this physician that
13 there had been any fibrotic scarring, true?

14 A That is true.

15 Q And certainly, Doctor, if a radiologist
16 in June of '94 had reported fibrotic scarring to
17 Dr. Carson, that would put him on notice that
18 we're dealing with something more than asthma,
19 correct?

20 A Yes.

21 Q So your sole criticism then of
22 Dr. Carson's care and treatment of this patient

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1 was his failure to refer him to a specialist as of
2 June of '94?

3 A I think that sums it up nicely.

4 Q And based on your synopsis that he
5 continually progressively got worse over this
6 period of time, from June of '94 until the
7 pulmonary function study sometime in '97, you
8 would have expected this patient to see Dr. Carson
9 on more than two occasions, would you not?

10 A If there is no reason why he couldn't or
11 didn't want to, then, yes, I would.

12 Q Certainly, Doctor --

13 A I think he did see a physician in another
14 situation for a while. Didn't he go to a --

15 Q He went to Mediclinic in late December of
16 '96 when he had -- I'm talking Dr. Carson as his
17 PCP.

18 You would have expected, Doctor, if
19 in fact he's getting worse, going from
20 approximately 53 percent down to 40 percent, he's
21 now -- you know, crossing over to even the
22 50 percent barrier, you would have expected him

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1 over a two-and-a-half year period of time to see
2 Dr. Carson on more than two occasions if he wasn't
3 responding to treatment?

4 A I would expect him to seek medical care.

5 Q To your knowledge, from February -- from
6 June of '94 until August of '96, other than the
7 two visits to Dr. Carson, did he seek any care
8 with anyone?

9 A Let me take a quick look at my notes
10 here. Starting in June '94, if -- there's two
11 visits. So there's a visit June 16th, '94, then
12 July '95 to Dr. Carson, May '96 to Dr. Carson. On
13 March of '96 using the Elyria Mediclinic. In
14 December of '96 he's again in the Elyria
15 Mediclinic and then in January '97 he sees
16 Dr. Carson, and a follow-up to the Mediclinic
17 again on January 28th, '97 to Dr. Carson.
18 February --

19 Q Well listen to my question. You're going
20 far beyond my question.

21 My question was: From February --
22 strike that. From June of '94 until August of

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1 '96, if this man was getting progressively worse
2 during that time and not responding to treatment,
3 you would have expected him to see Dr. Carson on
4 more than two occasions?

5 A I might be expected. On the other hand,
6 patients as I mentioned earlier sometimes find
7 reasons not to come back to the same doctor or to
8 any doctor.

9 Q But, Doctor, one of the things he told
10 him in June of '94, and I think he told him again
11 in '95 and in '96, if the symptoms worsen instead
12 of improving, come back and see me.

13 A Uh-huh.

14 Q And the patient has a responsibility to
15 come back and see him, does he not?

16 A Yes.

17 Q So if the patient is specifically
18 instructed that if with this treatment you don't
19 get better, come back and see me, the
20 responsibility is on the patient to do that,
21 correct?

22 A Yes.

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1 Q And if in fact he was getting worse and
2 did not improve with the medical treatment from
3 June of '94 through August of '96, you would fault
4 the patient for not coming back to see him on a
5 more regular basis, true?

6 A I don't think there is anybody else to
7 fault other than the patient.

8 Q Do you know what medications he was
9 taking from 19 -- June of 1994 through August of
10 '96?

11 A Well, it's a long time and so I'm going
12 to have to say I have little idea what he was
13 taking other than what was recommended to him by
14 Dr. Carson.

15 Q And you don't how often he took these
16 medications, do you?

17 A Correct.

18 Q You don't know if he took them on a
19 constant basis or on an episodic basis similar to
20 those patients who take it for asthma?

21 A Correct.

22 Q By the way, were there arterial blood

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1 gases obtained at Elyria Memorial Hospital?

2 A I don't remember offhand.

3 Q I'm going to represent to you that in
4 June of '94 there were arterial blood gases done
5 on the patient. Let's go back to those again.
6 We're talking June of '94.

7 A At the hospital?

8 Q At the hospital on the ER visit,

9 A I'm not sure you're in the right section.
10 You might be; I'm not sure that you are. Patient
11 lab, outpatient -- it has to be -- I'm in the
12 wrong section.

13 MR. POLITO: I think you are. Let me get
14 the Elyria Memorial.

15 THE WITNESS: I think I've got the right
16 section now. Can you remind me of the dates?

17 MR. POLITO: Yeah, 6/13/94 and keep
18 going. There should be some ABGs done during
19 that admission.

20 THE WITNESS: I've got it.

21 MR. POLITO: Okay.

22 THE WITNESS: On 6/13/94.

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1 MR. POLITO: Was that a normal ABG?

2 THE WITNESS: Yes.

3 BY MR. POLITO:

4 Q No evidence of any -- at least on the
5 arterial blood gases -- of any abnormalities,
6 true, as of June of '94?

7 A Correct.

8 Q Did Mr. Diederich ever tell Dr. Carson
9 that his condition was aggravated by his working
10 conditions?

11 A I think there's one comment in June of
12 '94.

13 Q I believe that was June of '94 but then
14 when you read the subjective thing, the thing that
15 he said that most aggravated it was eating, true?
16 I'm going to get this --

17 A Well, let's look at it again. You asked
18 me is there any comment about the work, and the
19 answer is yes.

20 Q Other than that one occasion, did he ever
21 tell him that it was aggravated by work?

22 A I don't recall any other occasion.

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1 Q Okay. We know that the patient was
2 eventually referred to Dr. Dacha, true?

3 A Yes.

4 Q But by that time the reason why he was
5 referred, he had a persistent infiltrate, right?
6 There was a chest x-ray obtained in December and
7 they treated it with antibiotics and it didn't
8 clear. They treat it with different antibiotics,
9 didn't clear again and a referral was made over.

10 Am I correct in your recollection of
11 what took place?

12 A Your recollection is more explicit than
13 mine. Let me refer to some notes. You're talking
14 about the visit dated when?

15 Q Well, let me ask you: In your opinion,
16 Doctor, what was causing this man's symptoms were
17 hard metal disease as of June of '94 in
18 retrospect, true?

19 A Yes.

20 Q So certainly as of March of '97 what was
21 causing this patient's problems was not asthma,
22 bronchial asthma, true?

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1 A I agree with that.

2 Q Okay. And we know the reason why
3 Dr. Carson referred him over to a pulmonologist
4 was a persistent infiltrate seen on chest x-rays?

5 A That is recorded in Dr. Carson's
6 assessment on March -- on February 25th, 1997, and
7 at that point he refers the patient to Dr. Dacha.

8 Q And we have Dr. Dacha's records, and what
9 was his assessment as of March of '97 when the
10 pulmonologist, the one you said you should have
11 referred him over to, what does he come up with as
12 a conclusion of as of March of '97? Maybe I
13 should help you.

14 A Dr. Dacha ordered an x-ray that we
15 previously mentioned and it shows interstitial
16 lung disease. Dr. Dacha ordered pulmonary
17 function tests which show severe restriction and
18 loss of diffusion capacity.

19 Q My question was: As of March of '97,
20 when he had a chance to review this patient, he
21 came up with persistent lung infiltrate because we
22 knew that from the chest x-rays, right?

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1 A Right.

2 Q But what was his other diagnosis?

3 A Diagnosis number 2 there is bronchial
4 asthma.

5 Q And you disagreed that he had bronchial
6 asthma in March of '97, did you not?

7 A I disagree that he had it. I don't
8 disagree with that thought being put on the paper
9 on that first visit, and importantly, Dr. Dacha
10 followed up on diagnosis number 1. It's possible
11 also at that point that he's got both.

12 Q So all along he may have had bronchial
13 asthma?

14 A He might have.

15 Q But what clued him in to work this
16 patient up was not bronchial asthma, was it? What
17 clued him in to work this patient up with it was a
18 persistent infiltrate that in retrospect had been
19 there all the way back in June of '94?

20 A I think you're right.

21 Q Did Dr. --

22 A I'm not sure that you're following my

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1 point here. I have never contended that
2 Dr. Carson should have thought of the hard metal
3 disease or should have had a longer differential
4 diagnosis than asthma, although -- let me take
5 that back.

6 I think starting in 1994 other
7 thoughts should have been crossing his mind and I
8 think they did, actually he said bronchitis.

9 My contention is that he just should
10 have been referred to a specialist so that the
11 problems can be better sorted out, either better
12 treatment for asthma or a different diagnosis.

13 Q But what led Dr. Dacha, the
14 pulmonologist, to work this patient up further was
15 a persistent infiltrate that had been there since
16 1994?

17 A Now, whether it's just the infiltrate or
18 the pulmonary function tests or a combination of
19 those, I don't know. There is a lot of evidence
20 when Dacha sees the patient that this is not just
21 asthma.

22 Q Correct. And the major evidence was an

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1 infiltrate that had been there since June of '94,
2 true, the fibrotic scarring seen on x-rays that
3 dated back to June of '94?

4 A Whether Dr. Dacha's infiltrates are the
5 same as the ones that I mentioned, I don't know.

6 Q Well, he gets a chest x-ray in March of
a '97, true?

8 A Yes.

9 Q That shows progression of fibrotic
10 scarring since June of '94?

11 A Yes.

12 Q So my thing is, there's been fibrotic
13 scarring on chest x-rays since June of '94, true?

14 A That's a reasonable way to put it
15 together.

16 Q And based on that, he now has hard
17 evidence and he works the patient up for that,
18 true?

19 A Yeah.

20 Q Doctor, I want you to assume that this
21 patient had worn the protective mask throughout
22 those years as instructed to by Dr. Arora -- and

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1 you now told us that would have been about
2 53 percent in June of '94 -- if he had worn a
3 protective mask from 1992 through 1994, what to a
4 reasonable degree of medical probability his lung
5 capacity has been?

6 A I'm going to have to qualify this in the
7 same way I did before. I'm not the occupational
8 lung disease expert and I'm not sure whether this
9 particular problem can be substantially prevented
10 by wearing a mask.

11 Q Can we agree, Doctor, to a reasonable
12 degree of medical probability it would have been
13 better than 53 percent?

1.4 A Yes.

15 Q Can we also agree that if he had worn the
16 mask as instructed back in 1992 that as of 1997
17 when it was 40 percent, to a reasonable degree of
18 medical probability if he had worn the mask, it
19 would have been better than 40 percent?

20 A I'm bothered by the reasonable degree of
21 medical probability thing because as I've said now
22 two or three times, I'm not an expert. I don't

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1 know if an expert should be reasonably certain.

2 I'm very tentative on this. I just
3 don't know -- I don't really know the size of
4 these particles and whether masks that are offered
5 in the workplace can keep these particles out.
6 I'm sorry I can't be more helpful.

7 Q So what you're telling me then is that to
8 even render -- strike that.

9 Based on your experience though with
10 occupational diseases, okay -- you've had
11 experience with occupational diseases?

12 A Yes.

13 Q Isn't it true by decreasing the exposure,
14 and based on your reading in this, by decreasing
15 the exposure via the use of protective masks and
16 equipment, it decreases the likelihood of the
17 severity of the disease?

18 A Yes.

19 Q To a probability?

20 A Yes.

21 Q So taking that hypothesis over into this
22 realm, it's more probable than not that his lung

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1. condition would not have been worse in 1997 if he
2 had worn the protective mask as instructed back in
3 1992 by Arora?

4 A Can you restate that?

5 (Short break taken.)

6 BY MR. POLITO:

7 Q It's more probable than not, carrying
8 that -- what we just discussed on -- that had this
9 patient worn a mask from 1992 to 1997 that his
10 lung function would have been improved?

11 A I think that's right.

12 Q Okay. Doctor, have you told me now each
13 and every way that Dr. Carson deviated from
14 acceptable standards of care in this patient?

15 A Yes.

16 Q Doctor, how many medical malpractice
17 cases have you reviewed?

18 A I don't keep a count, but I can give you
19 an estimation. In the last ten years I've
20 reviewed one or two per year on average.

21 Q How does it break down plaintiff versus
22 defendant?

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1 A I think 60 percent are plaintiffs.

2 Q If I were coming to you as an attorney
3 and saying, Doctor, I have this hard metal case, I
4 want you to serve as my expert in this case; do
5 you feel comfortable with serving as an expert?

6 A No.

7 Q If I came to you saying to you Doctor, I
8 have this severe asthma --

9 A If I can interrupt you.

10 Q Right.

11 A Did you ask me am I comfortable saying I
12 am expert in hard metal disease?

13 Q Yeah.

14 A No.

15 Q Asking the same question in terms of
16 asthma, and I want you to -- I got a severe asthma
17 case, would you feel comfortable with serving as
18 an expert in that case?

19 A Yes.

20 Q You said that some with some hesitation.
21 Why?

22 A I think for the same reasons that I

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1 offered to Ms. Kolis when she first asked me to
2 consider the case, which is that I don't spend any
3 time in the last many years in an ambulatory
4 setting; but with that caveat, Ms. Kolis asked me
5 to look at this case and when I reviewed it, I was
6 comfortable in commenting on this specific
7 problem --

8 Q You agree --

9 A -- as an expert.

10 Q Doctor, you would agree though there are
11 thousands and thousands of physicians all over
12 this country who deal with asthma in an ambulatory
13 care center on a regular basis over the past ten
14 years, true?

15 A Yes.

16 Q In a much better position than you to
17 comment on a case like this?

18 A Well, there are some things that are
19 difficult, and in those more difficult things,
20 I'll agree to that, and there are some things that
21 are just a no-brainer, and you don't need to be a
22 specialist to make a comment on this particular

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1 problem.

2 Q How many depositions have you given in
3 medical malpractice cases?

4 A I think maybe five.

5 Q Have any of those involved a case
6 involving either asthma or hard metal disease?

7 A Definitely not hard metal disease.

8 Q How about asthrna?

9 A No.

10 Q Have you ever testified at trial?

11 A Once.

12 Q What kind of case?

13 A It was an elderly woman who was in an
14 intensive care unit and was on a ventilator and
15 she died.

16 Q And were you testifying on behalf of the
17 plaintiff or the defendant in that case?

18 A I was for the plaintiff in that case.

19 Q Where was that case?

20 A It was in Ohio.

21 Q Youngstown?

22 A No. It was a small town called Warren.

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1 Q You remember the patient's name?

2 A Helen O'Connor. The only reason I
3 remember something that far back is it's the first
4 malpractice thing I ever did.

5 Q Okay. What are your fees for review,
6 Doctor?

7 A For today?

8 Q No. Reviewing records as you did for --
9 what are your fees to review records?

10 A \$250 an hour.

11 Q And for deposition testimony?

12 A Same thing.

13 Q And for trial testimony?

14 A I don't know. It's ten or twelve years
15 since I did a trial, and then it took a few years
16 off my life, I'll probably raise my rate. I hope
17 I can work that out if it comes to that.

18 Q Have you ever been retained by a service
19 to review a case or a service that advertises
20 itself to attorneys?

21 A No.

22 Q Ever been sued in medical malpractice?

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1 A Not that I know of. I would probably
2 know that.

3 MS. TAYLOR-KOLIS: You would probably
4 know that.

5 MR. POLITO: Yeah. Why don't we take a
6 few minute break. Let me look through your
7 notes. If there's something I can't read or
8 want to comment on, we'll go back and we're
9 almost done.

10 (Short break taken.)

11 BY MR. POLITO:

12 Q The August of '96 note from the
13 Mediclinic, was there any reporting that this man
14 had any type of chronic cough during that period
15 of time?

16 A I'm going to have to take a minute to
17 stare at this because the handwriting is really
18 tough.

19 I can't decipher all of it. Maybe
20 with a little help we can get it all. You want to
21 look at it together or just want me to do the best
22 I can?

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1 Q Do the best you can.

2 A I can't see any comment here about
3 chronic cough. There's no comment either that he
4 has it or he does not have it.

5 Q Is it fair to say, Doctor, from your
6 review of the records that the cough this patient
7 had throughout the years he treated with
8 Dr. Carson was always a productive cough?

9 A I'm not sure about all the years, but
10 frequently it's not usually productive. If we go
11 over every comment about cough, maybe I'll read
12 all those.

13 Q But certainly more times than not it was
14 a productive cough as opposed --

15 A I think that's right.

16 Q Doctor, are you going to comment on this
17 man's present medical condition?

18 A Am I going to comment?

19 Q Yes.

20 A No.

21 Q Or what future treatment, if any, he's
22 going to need?

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1 MS. TAYLOR-KOLIS: I can state for the
2 record I've not asked him to do so. That's
3 going to be Dr. Mehta's role.

4 BY MR. POLITO:

5 Q What is a granuloma, Doctor?

6 A It's an inflammatory response to
7 something that gets in there and doesn't belong
8 there, different kinds of inflammation. It's a
9 relatively chronic inflammatory response.

10 Q Is a granuloma a benign type condition?

11 A Yes, almost always benign.

12 Q If he had been referred over to a
13 pulmonary specialist, is that who he should have
14 been referred to in June of '94?

15 A I think so, yes.

16 Q What would that pulmonary specialist have
17 done?

18 A I think he would have done the same thing
19 that Dr. Dacha did three years later. He would
20 have looked carefully at the films --

21 Q I want you to assume though what Dacha
22 had at that point in June of '94 was a clean chest

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1 x-ray.

2 A Why should I assume that?

3 Q I'm just asking you to assume it. That's
4 what we have to assume because that's what was
5 reported in June of '94.

6 A Well, a pulmonary physician generally
7 does not accept radiographic -- the report. A
8 pulmonary physician will look at the x-rays.

9 Q Just for purposes of this question --

10 A Okay.

11 Q -- assume hypothetically in June of '94
12 he had gotten an x-ray and it was normal.

13 A Okay.

14 Q This is Dacha. What would the work-up
:15 have been?

16 A The pulmonary function tests would have
17 been repeated.

18 Q Okay.

19 A And they would have shown substantial
20 impairment as they did in 1992.

21 Q Okay. Anything else other than that?
22 You certainly wouldn't have done a biopsy with a

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1 normal chest x-ray, would you?

2 A Not likely.

3 MR. POLITO: Let's put these together so
4 we have them all in one. With your
5 permission, Doctor, what I'd like to do is
6 hand these over to the court reporter, the
7 originals.

8 THE WITNESS: Sure.

9 MR. POLITO: I'm going to ask her to have
10 copies made of everything, return the
11 originals to you and a copy to myself, and if
12 Donna wants one or whatever, we can make one
13 copy and then make copies from that or
14 whatever.

15 Do you, Donna, have any problem with
16 it?

17 MS. TAYLOR-KOLIS: I don't if the Doctor
18 doesn't. My only concern, which is not a
19 major one -- I don't know the court reporter,
20 but I'm sure trustworthy -- I customarily
21 would prefer to have my physician retain
22 control of his own originals, copy them, and

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1 provide them.

2 If you are uncomfortable -- you tell
3 me what you want to do, Doctor.

4 THE WITNESS: I prefer to keep the
5 records and a bottle of sun screen than the
6 court reporter.

7 MR. POLITO: Let's go through them,
8 Doctor, so we can get them in order. Here
9 is 1.

10 (Discussion off the record.)

11 MR. POLITO: Exhibit 1 is your CV, true?

12 (Deposition Exhibit Number 1 was marked
13 for identification.)

14 THE WITNESS: Which you're welcome to
15 keep.

16 MR. POLITO: I don't, but so she doesn't
17 get screwed up, I'm going to give you -- okay,
18 Exhibit 2 are your notes and records. Clear
19 is, one, two, three, four -- ten pages of
20 notes.

21 (Deposition Exhibit Number 2 was marked
22 for identification.)

DEPOSITION OF ROY G. BROWER, M.D.
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1 (Deposition Exhibit Number 3 was marked
2 for identification.)

3 (Deposition Exhibit Number 4 was marked
4 for identification.)

5 THE WITNESS: Yes.

6 MR. POLITO: Three is your record of
7 September 23rd of 1998, true?

8 THE WITNESS: Yes.

9 MR. POLITO: With some handwriting on it
10 that I assume -- on the first page, which I
11 assume is yours.

12 THE WITNESS: Yes.

13 MR. POLITO: Four is for your second
14 report.

15 THE WITNESS: I trust you here.

16 MR. POLITO: No. No -- but this will
17 help the court reporter.

18 MR. REMINGER: It's really -- it's also
19 for the parties to follow later.

20 MR. POLITO: Exhibit 4 is your second
21 report dated August 5th of '99?

22 THE WITNESS: Yes.

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1 MR. POLITO: Five is -- this is probably
2 correspondence. This is why we do this,
3 Doctor, because we've already --

4 MS. TAYLOR-KOLIS: Messed up all your
5 papers.

6 MR. POLITO: Exhibit 5 is a letter from
7 Donna dated July 31st, 1998.

8 (Deposition Exhibit Number 5 was marked
9 for identification.)

10 THE WITNESS: Yes.

11 MR. POLITO: Six is a letter from Donna
12 to you dated August 19th, '98?

13 (Deposition Exhibit Number 6 was marked
14 for identification.)

15 THE WITNESS: Yes.

16 MR. POLITO: Seven is a letter from Donna
17 to you dated April 1st, 1999?

18 (Deposition Exhibit Number 7 was marked
19 for identification.)

20 THE WITNESS: Yes.

21 MR. POLITO: Eight is a letter from Donna
22 to you dated July 26th, 1999?

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1 (Deposition Exhibit Number 8 was marked
2 for identification.)

3 THE WITNESS: Yes.

4 MR. POLITO: Nine is a letter from Donna
5 to yourself dated August 2nd, 1999?

6 (Deposition Exhibit Number 9 was marked
7 for identification.)

8 THE WITNESS: Yes.

9 MR. POLITO: With some handwriting at the
10 bottom that I assume are yours?

11 THE WITNESS: Yes.

12 MR. POLITO: Ten is also handwriting of
13 you -- some handwritings of yours on there?

14 (Deposition Exhibit Number 10 was marked
15 for identification.)

16 THE WITNESS: Yes.

17 MR. POLITO: It's a letter to Donna dated
18 3/2/2000?

19 THE WITNESS: Yes.

20 MR. POLITO: And 11 is a letter from
21 Donna dated March 9th, 2000?

22 (Deposition Exhibit Number 11 was marked

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1 for identification.)

2 THE WITNESS: Yes.

3 MR. POLITO: Twelve is the binder with a
4 lot of little stickies that are yours?

5 (Deposition Exhibit Number 12 was marked
6 for identification.)

7 THE WITNESS: Yes.

8 MR. POLITO: And handwriting and
9 underlining on the actual records are all
10 yours?

11 THE WITNESS: Yes.

12 MR. POLITO: So anything in addition
13 beyond the records in terms of handwriting are
14 all yours?

15 THE WITNESS: Correct.

16 MR. POLITO: Thirteen, no stickies, but
17 some handwriting on both sides?

18 (Deposition Exhibit Number 13 was marked
19 for identification.)

20 THE WITNESS: Yes.

21 MR. POLITO: And that's all yours. Any
22 additional handwritings besides what the

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a records are, are yours?

2 THE WITNESS: Yes.

3 MR. POLITO: Fourteen is Dr. Arora's
4 report dated 9/8/92 and all the handwriting,
5 additional handwriting is yours?

6 (Deposition Exhibit Number 14 was marked
7 for identification.)

8 THE WITNESS: Yes.

9 MR. POLITO: Fifteen is Dr. Mehta's
10 deposition of 2/23/2000. Then, again, any
11 additional handwriting is yours?

12 (Deposition Exhibit Number 15 was marked
13 for identification.)

14 THE WITNESS: Yes.

15 MR. POLITO: Sixteen is Dr. Carson's
16 deposition dated 7/14/99.

17 (Deposition Exhibit Number 16 was marked
18 for identification.)

19 THE WITNESS: Uh-huh.

20 MR. POLITO: And any additional
21 handwriting is yours?

22 THE WITNESS: Yes.

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1 MR. POLITO: Seventeen is Dr. Culley's
2 report dated November 22nd, 1999.

3 (Deposition Exhibit Number 17 was marked
4 for identification.)

5 THE WITNESS: Yes.

6 MR. POLITO: Correct?

7 THE WITNESS: Yes.

8 MR. POLITO: That handwriting is yours?

9 THE WITNESS: Yes.

10 MR. POLITO: Culley is C-U-L-L-E-Y.
11 DiMarco, Capital D-I-M-A-R-C-O, report of
12 November 25th, '99, correct?

13 THE WITNESS: Yes.

14 MR. POLITO: That's 18?

15 (Deposition Exhibit Number 18 was marked
16 for identification.)

17 THE WITNESS: Yes.

18 MR. POLITO: And any of the writing is
19 yours?

20 THE WITNESS: Yes.

21 MR. POLITO: Nineteen is Chapter 73 of
22 Hard Metal Disease; it's medical literature?

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1 (Deposition Exhibit Number 19 was marked
2 for identification.)

3 THE WITNESS: Yes.

4 MR. POLITO: And the handwriting on it is
5 yours?

6 THE WITNESS: Yes.

7 MR. POLITO: Twenty is called Metals and
8 Metalloids?

9 THE WITNESS: Yes.

10 MR. POLITO: And, again, there is
11 circling and some underlining and that's all
12 yours?

13 THE WITNESS: Yes.

14 (Deposition Exhibit Number 20 was marked
15 for identification.)

16 MR. POLITO: Twenty-one is from the
17 Journal of Allergy and Clinical Immunology.
18 And, again, if there's any handwriting or
19 underwriting, it's yours?

20 THE WITNESS: No.

21 MR. POLITO: No?

22 THE WITNESS: There is some handwriting

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1 where my colleagues --

2 (Deposition Exhibit Number 21 was marked
3 for identification.)

4 MR. POLITO: Don't be so quick. This is
5 21; that's 22. That's a different --

6 THE WITNESS: I think it's the same
7 article.

8 MR. POLITO: Well, then you just
9 skipped -- you went 434 to 480.

10 THE WITNESS: That's right, I did.

11 MR. POLITO: Okay, well, at least 21 is a
12 portion of it. It's all in your handwriting,
13 right?

14 THE WITNESS: Right.

15 MR. POLITO: And then 22 apparently is a
16 continuation of 21 and there's handwriting,
17 but at least on the first page it is not
18 yours.

19 And then finally -- no, 23 is
20 guideline -- general guidelines for referral
21 to an asthma specialist?

22 (Deposition Exhibit Number 22 was marked

DEPOSITION OF ROY G. BROWER, M.D.
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1 for identification.)

2 (Deposition Exhibit Number 23 was marked
3 for identification.)

4 THE WITNESS: Right.

5 MR. POLITO: And the handwriting, the
6 only thing that you put an arrow to are signs
7 and symptoms are atypical and there are
8 problems in differential diagnosis?

9 THE WITNESS: That is the only thing I've
10 written on there, yeah.

11 MR. POLITO: Out of the guidelines, which
12 of the guidelines do you feel were met in this
13 case?

14 THE WITNESS: Can we go back to the
15 previous version of this which was available
16 at the time of the case?

17 MR. POLITO: Okay.

18 THE WITNESS: And we'll look at the same
19 corresponding page and you'll see where I
20 ticked off a couple of things there.

21 MR. POLITO: Which ones?

22 THE WITNESS: Well, the ones that you see

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1 I've underlined here. One says signs and
2 symptoms are atypical or there are problems in
3 differential diagnosis. For example, chronic
4 bronchitis, which is asthma in adults, and so
5 on.

6 And then another entry that says
7 patient is not responding optimally throughout
8 the therapy, and finally, patient requires
9 guidance on environmental control
10 consideration, immunotherapy and so on.

11 BY MR. POLITO:

12 Q Let's talk about the first one, signs and
13 symptoms that are atypical. What signs and
E4 symptoms did he have that were atypical for
15 asthma?

16 A The -- with respect to signs that's
17 atypical is the fact that on only one occasion
18 were wheezes reported. On several occasions the
19 lungs were described as having quiet lung sounds
20 and on another occasion there is some asymmetry in
21 the lung sounds.

22 Q Anything else under the signs and

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1 symptoms that are atypical? Are there problems in
2 differential diagnosis that serve as the basis of
3 your opinion that there should have been a
4 referral?

5 A I would say there are problems with
6 differential diagnosis on a patient that doesn't
7 respond optimally. Doesn't mean the initial
8 diagnosis is wrong, but other diagnoses should be
9 considered.

10 Q What's the basis that this patient didn't
11 respond, at least in the immediate sense, to the
12 treatment being given to him?

13 A The fact that he keeps coming back at
14 times when he doesn't have appointments but rather
15 for discomfort, and he keeps coming back to the
16 physician on unscheduled times. I mean, it's
17 sub-optimally -- response.

18 Q But you'll agree, as we talked about
19 before, it's not unusual for patients with asthma
20 to come back on an episodic basis such as this
21 patient did?

22 A Agreed. But it's two different things,

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1 isn't it?

2 Q You may say it one way --

3 A You ask me what's sub-optimal. The next
4 thought was it's not unusual for a patient to come
5 back --

6 Q Well, I'm just saying that you said that
7 he came back on several occasions. What I'm
8 saying is family docs treat patients with asthma
9 all the time that come in on a frequent basis with
10 episodic flare-ups. They're given treatment, they
11 respond, and then several months later they come
12 back again.

13 That occurs often in a family
14 practitioner's office, doesn't it?

15 A We have been over this ground before. I
16 don't think the outcome of the discussion will be
17 any different.

18 Q You disagree with what I just said?

19 A I think I disagree with an interpretation
20 or a spin you're trying to put on it which is that
21 when a patient comes back frequently with -- for
22 unscheduled visits, I think you would have me say

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1 that that is not sub-optimal treatments, and I'm
2 saying it is sub-optimal -- sub-optimal response.

3 Q Well, okay. What do you mean by
4 frequently? You keep using that term. I want to
5 make sure --

6 A We've already been through the numbers
7 before. Starting in March of '93 until June of
8 '94, he has, I think, seven or eight visits.

9 Q Okay.

10 A I define that as frequent.

11 Q Would you define June of '94 through
12 December of '97 as frequent visits?

13 A No.

14 MS. TAYLOR-KOLIS: Did you want to ask
15 him about the environmental --

16 MR. POLITO: Oh, yes.

17 THE WITNESS: Ask your question.

18 BY MR. POLITO:

19 Q You underlined it; what significance does
20 it have?

21 A Well, there's the one comment I think in
22 June of '94 that the patient's symptoms are worse

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1 in the workplace.

2 Q At the same time he was telling him that
3 it was worse after eating?

4 A So what?

5 Q Okay.

6 A It's worse in the workplace.

7 Q Did he ever record that at any other time
8 other than one occasion?

9 A I don't recall that he did.

10 Q Okay. And we had talked about earlier,
11 it's not unusual what's known as occupational
12 asthma, correct?

13 A Agreed.

14 Q So certainly, Doctor, if in fact this was
15 all the time due to his occupation, you would have
16 expected this patient to have reported it to this
17 physician?

18 A If a new history were taken, I think it
19 would have come out --

20 Q Did you ever see that he ever reported it
21 other than that one occasion to this doctor?

22 A No. Neither do I find that he asked the

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1 question.

2 Q You don't think that this doctor asked
3 him, for example, when -- what exacerbated it
4 because we know one time it was exacerbated by
5 basketball, true, another time by mowing the lawn?

6 Do you have any reason to disagree
7 that this physician didn't ask him what brought
8 this on?

9 A The only reason I have is that it's not
10 recorded.

11 Q But we do see on at least several
12 occasions him giving an inciting event, true?

13 A Yes.

14 Q So do you have -- if this doctor were to
15 testify that on each of the occasions I would have
16 asked him what brings it on, do you have any
17 reason to disagree with him?

18 A You're asking me to assume that because
19 he reported once that basketball brought it on
20 that he asked all the other questions?

21 Q No. What I'm asking you is what brings
22 on this cough, what are things that bring it on,

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1 and do you have any reason to think that he didn't
2 ask those questions?

3 A The only reason I have is that it's not
4 recorded and to expect that those questions are
5 recorded is not unreasonable. Most of the things
6 we write on the medical record are negative.

7 Q But do you record all pertinent
8 negatives?

9 A Not all pertinent negatives, but
10 important pertinent negatives.

11 Q You wouldn't want me to go to your chart
12 and find out that you recorded all of the
13 negatives, that I can pretty much go to your chart
1.4 and see what the inciting event was on every time?

15 A Is this about me --

16 Q Yeah -- no, I'm just asking you because
17 you're testifying that this physician may or may
18 not have done it, and I just want to know that
19 this failure to record it, is that a deviation
20 from standard of care?

21 A No, it's a not deviation of standard of
22 care. The problem we're going to have here is a

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1 problem that you guys have made; namely, if it's
2 not charted, it's not done.

3 Q Certainly it's not me that makes that
4 rule. I don't agree with that rule because it
5 happens all the time, but I think my brother on
6 the other side may say that that's a good rule,
7 but you don't agree with that philosophy, do you,
8 that if it's not charted, it's not done?

9 A No.

10 MR. POLITO: Twenty-four is a hard metal
11 and cobalt from asthma due to metals and metal
12 and salts?

13 (Deposition Exhibit Number 24 was marked
14 for identification.)

15 THE WITNESS: Correct.

16 MR. POLITO: Anything else, guys?

17 MR. REMINGER: No.

18 MR. POLITO: Doctor, I have no further
19 questions. Thank you for your time.

20 MS. TAYLOR-KOLIS: Okay. We'll be
21 reading.

22 MR. POLITO: I figured you would and you

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1 can have a waiver of the seven day.

2 MS. TAYLOR-KOLIS: Okay. Thanks.

3 MR. POLITO: Just put that on there.
4 See, in Ohio they're supposed to read it
5 within seven days. I'm waiving that
6 requirement so -- I'm waiving the requirement
7 that this deponent has seven days. I would
8 ask that you review it on an expeditious
9 basis.

10 MS. TAYLOR-KOLIS: Within 30 days. Is
11 that acceptable to you?

12 MR. POLITO: That's fine.

13 (Examination concluded at
14 6:00 p.m.)

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1 I, _____, do hereby
2 acknowledge that I have read and examined the
3 foregoing transcript, and the same is a true,
4 correct and complete transcription of the
5 testimony given by me and any corrections appear
6 on the attached Errata Sheet signed by me.

7

8

9

Roy G. Brower, M.D.

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(DATE)

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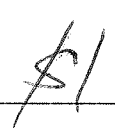
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1 CERTIFICATE OF SHORTHAND REPORTER - NOTARY PUBLIC

2 I, MARTHA L. LEES, the officer before
3 whom the foregoing proceedings were taken, do
4 hereby certify that the foregoing transcript
5 is a true and correct record of the
6 proceedings; that said proceedings were taken
7 by me stenographically and thereafter reduced
8 to typewriting under my supervision; and that
9 I am neither counsel nor related to, nor
10 employed by any of the parties to this case
11 and have no interest, financial or otherwise,
12 in its outcome.

13
14
15 

Martha L. Lees

16 Notary Public in and for
17 the State of Maryland
18
19

20 My commission expires: August 2001
21
22