

STATE OF OHIO
COUNTY OF CUYAHOGA
IN THE COURT OF COMMON PLEAS

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COPY

BONNIE WEISS,
Executrix of the
Estate of EDITH
JAMES,

Plaintiff

vs.

HENRY W. EISENBERG,
M.D., et al.,
Defendants

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* Case No. 326275

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DEPOSITION OF
KENNETH SCOTT MCCARTY, JR., M.D.
JULY 27, 1998

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DEPOSITION
OF
KENNETH SCOTT MCCARTY, JR., M.D., taken
on behalf of the Plaintiffs herein,
pursuant to the Rules of Civil Procedure,
taken before me, the undersigned, Jackie
Hazlett, a Court Reporter and Notary
Public in and for the Commonwealth of
Pennsylvania, at Biomedical Science
Tower, 200 Lothrop Street, Pittsburgh,
Pennsylvania, on Monday, July 27, 1998,
at 1:23 p.m.

1 A P P E A R A N C E S

2

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I N D E X

WITNESS: KENNETH SCOTT MCCARTY, JR.,
M.D.

EXAMINATION

by Attorney Malik 7 - 109

CERTIFICATE 110

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P R O C E E D I N G S

KENNETH SCOTT MCCARTY, JR., M.D., HAVING
FIRST BEEN DULY SWORN, TESTIFIED AS
FOLLOWS:

EXAMINATION

BY ATTORNEY MALIK:

Q. How are you today, Doctor?

A. I'm okay. How about yourself?

Q. Well, thank you. I have some
questions to ask you. I know you've done
this before so if there's something you
don't understand just let me know, okay?

For the record would you please
state your full name?

A. Kenneth Scott McCarty, Jr.

Q. And **is** the CV which you gave Mr.
Goldwasser accurate as of this date?

A. I don't have it. I gave it to
you.

OFF RECORD DISCUSSION

A. The CV attached to the report
appears to be dated 9/96, so it would be
accurate through that date.

1 BY ATTORNEY MALIK:
2 Q. Is there a more recent one that's
3 been prepared?
4 A. Yes, there should be. And there
5 is --- subsequent to 9/96, yes, there are
6 more recent CVs.
7 Q. Is there anything on the new one
8 that's related to the subject of
9 colorectal cancer?
10 A. No.
11 Q. What would be different between
12 the two, just briefly?
13 A. I think the format was changed.
14 Their --- meaning the format which it is.
15 The official document frowns on people
16 putting their children on the front page.
17 I frown on people who frown on people who
18 frown on people who put their children on
19 the front page. The previous positions
20 is in a separate job format, but its
21 substance --- no difference in substance.
22 Q. Okay. Do you intend to publish
23 any articles before the trial date which
24 is presently set for September 14th
25 regarding colorectal cancer?

1 A. No.

2 Q. Do you intend to give any talks
3 or teach any classes regarding that
4 subject?

5 A. What's the trial date?

6 ATTORNEY GOLDWASSER:

7 September 14th.

8 BY ATTORNEY MALIK:

9 Q. September 14th.

10 A. No, I don't think that will be
11 the case. There is the general oncology
12 covered in the path course, but I don't
13 think that's before the September date.

14 Q. Are there any articles contained
15 in the CV that relate to the topic of
16 colorectal cancer, specifically?

17 A. I don't think so, no.

18 Q. Are you personally familiar with
19 Doctor Eisenberg?

20 A. No.

21 Q. Have you ever met him?

22 A. No.

23 Q. Now, I noticed from your CV that
24 you're Board Certified in both pathology
25 and internal medicine?

1 A. Yes.

2 Q. What percent of your practice is
3 devoted to each one?

4 A. You mean the internal medicine
5 versus ---?

6 Q. Pathology.

7 A. Well, my pathology practice ---
8 you're asking what percent of time
9 probably.

10 Q. Yes.

11 A. Generally two days a week average
12 in internal medicine, the remainder in
13 pathology and related. As a general
14 rule, there is overlap in the sense that
15 I may see a patient because of a
16 specialized pathologic finding and then
17 see them clinically to put it in context.
18 This afternoon I'll be seeing somebody
19 who came because of pathologic
20 abnormalities observed and then wants to
21 discuss what the implications of those
22 are.

23 Q. Do you spend more than 50 percent
24 of your professional time in a clinical
25 practice?

1 A. Between pathology --- you're
2 saying clinical practice --- clinical
3 means at the bedside, which would mean
4 internal medicine as opposed to pathology
5 which is also a clinical practice?

6 ATTORNEY GOLDWASSER:

7 Well, that's not what the
8 law says, but is that what you're
9 asking?

10 BY ATTORNEY MALIK:

11 Q. No, no, no. Either --- together,
12 combined.

13 A. We didn't get into the pathology
14 practice, but, yes, I do.

15 Q. What percentage of your time,
16 then, do you spend on the pathology
17 practice?

18 A. I think I'm 40 percent right now
19 in actual clinical practice and then for
20 pathology it's about 20 percent in
21 internal medicine and then in teaching
22 and research and related to those
23 practices additional 30 percent.

24 Q. In your internal medicine
25 practice, do you perform sigmoidoscopies?

1 A. No.

2 Q. Have you ever?

3 A. Yes.

4 Q. And when did you stop doing that?

5 A. 1992, probably.

6 Q. Did you ever perform
7 colonoscopies?

8 A. No. You mean being the colonos
9 --- the operator or the scop, no.

10 Q. Correct. With respect to
11 sigmoidoscopies, do you think that that
12 1992 date is accurate, when you stopped
13 doing sigmoidoscopies? I want you to be
14 certain about that.

15 A. No. I don't --- I had a practice
16 at the Durham Clinic. The last time ---
17 and so that we're clear, and I made the
18 distinction on colonoscopy and I walked
19 right through your sigmoidoscopy
20 question, I am not the operator for a
21 sigmoidoscopy through that period of
22 time. The Durham clinic, which I
23 practiced in in Durham, we had surgeons
24 as well as internists practicing
25 together. Had several patients in which

1 the procedures were done, that I
2 participated in the procedures. You're
3 asking, do I do them. I should answer
4 that, no, so that we're very clear.

5 Q. Okay.

6 A. And in that sense, do I operate a
7 sigmoid scope, the answer is clearly, no.

8 Q. So you've participated in them
9 with --- being in the room when the
10 procedures have been done?

11 A. That's correct. And viewing the
12 findings and also evaluating what might
13 best be biopsied.

14 Q. What's important to me now is
15 when you stopped doing that?

16 A. The last time I would have done
17 it would have been '92.

18 Q. Okay. Have you in --- or do you
19 in your internal medicine practice treat
20 patients with colorectal cancer?

21 A. No, not now.

22 Q. Did *you*?

23 A. Yes.

24 Q. Up until when?

25 A. Probably 1991 or '92. That is

patients may have had colorectal cancer as part of their clinical picture. The primary medical oncology in the colorectal carcinoma and the primary surgery would have been by the other associates.

Q. In your internal medicine practice, then, am I correct in understanding you did not perform the task of diagnosing colorectal cancer?

A. No. That would not be correct. You mean making the diagnosis or more importantly doing the screening procedures. No, that would not be correct. I did do rectal exams. I did --- I don't know if they're right.

Q. Let me stop you right there. When you said rectal exam, digital rectal exams?

A. Digital rectal exams. And then ordering GI series. In that period of time I don't think there was a primary colon cancer for which I was responsible for the initial and primary diagnosis as an internist.

1 Q. In your internal medicine
2 practice, can you tell me then what
3 percentage of patients you have screened
4 for colorectal cancer?

5 A. What percentage of patient have I
6 screened for colorectal cancer?

7 Q. Right.

8 A. And we're talking in this time
9 frame or the time frame of Durham Clinic?

10 Q. I believe through '92, anytime up
11 through '92.

12 A. I tend to see patients who are
13 referred either by themselves or others
14 for specific problems. And in that
15 regard, many of those patients are not,
16 you know, patients who are seeing me as
17 their primary physician. I do see
18 patients also in that group who I am ---
19 or they treat me as, I treat them as, in
20 the role of being their primary
21 physician. And those patients, stool
22 blacks were done, digital rectal exams
23 were done. I don't know how to even
24 guesstimate the proportion of those
25 patients. Probably ---.

1 Q. Can you give me a range?

2 A. I mean, that would be a
3 guesstimate. As I look back on that I
4 can't remember a clinic day that we
5 didn't do a couple of rectal exams. The
6 purpose of those were generally relating
7 to stool blacks, they may be by manual
8 exams during a pelvic, so it would be ten
9 percent that were screened.

10 Q. Okay.

11 A. But I mean, that's ---.

12 Q. I understand. And the screening
13 is limited to digital exams and stool
14 quaiac, basically?

15 A. No. Although their --- the
16 situation in which you're doing the
17 annual screening for colonoscopy and
18 imaging studies, really, those are
19 patients in whom the primary concern is
20 as a generalist and seeing them as a
21 primary physician, it's not a common
22 component of my practice and I think I've
23 --- I hope I've made it clear, the
24 majority of the patients are not ones I
25 saw as the primary physician.

1 Q. Then it's a very fair statement
2 to say you do not consider yourself a
3 gastroenterologist?

4 A. Gosh, that would be in the
5 category of an understatement.

6 Q. Okay. Are you personally
7 familiar with Doctor Lavery (phonetic)
8 who has offered --- who has also offered
9 opinions in this case?

10 A. No.

11 Q. Did you review his deposition?

12 A. No.

13 Q. Did you review Doctor Eisenberg's
14 deposition?

15 A. No. What I can probably simplify
16 things for you is what I reviewed as
17 sitting before you right there.

18 Q. Okay. And would you tell me what
19 that is?

20 A. This is a pictorial
21 representation of the histologic slides
22 and these are the protocols that go with
23 the histologic slides. This is the
24 medical records supplied to me relating
25 to the treatment of Bonnie Weiss.

1 ATTORNEY GOLDWASSER:

2 Edith James, actually.

3 Bonnie Weiss is the
4 daughter-in-law.

5 A. Correct, sorry. Mrs. James.

6 BY ATTORNEY MALIK:

7 Q. And then the last thing?

8 A. This is all. The last thing is
9 letters.

10 Q. Have you had the opportunity to
11 testify for Mr. Goldwasser before?

12 A. I've reviewed cases for him
13 before, but the first time I ever met him
14 was today.

15 Q. Have you testified for him or
16 others in his firm before?

17 A. Reminger and Reminger?

18 Q. Yes.

19 A. I think I have. I'm not sure
20 whether I have reviewed cases and given
21 depositions, but I certainly have
22 reviewed cases for them.

23 Q. Have you done so for cases in
24 Ohio?

25 A. I'm unaware of them being

1 anywhere else.

2 ATTORNEY GOLDWASSER:

3 Yes, we're only in Ohio.

4 A. I didn't know that for sure, so.

5 BY ATTORNEY MALIK:

6 Q. Would you have any documentation
7 with respect to other depositions that
8 you've given?

9 ATTORNEY GOLDWASSER:

10 To anybody or just

11 Reminger and Reminger?

12 ATTORNEY MALIK:

13 Reminger and Reminger.

14 A. I'm not aware of any. I have ---
15 Jacobsen Manor, of course, is no longer
16 in existence and I, frankly, in my mind
17 don't distinguish Reminger versus
18 Jacobsen for reasons that may be obvious
19 to you. I don't know if I've ever given
20 a deposition with any certainty for them,
21 I just know I've reviewed cases for them.

22 BY ATTORNEY MALIK:

23 Q. Have you ever testified in Ohio
24 before?

25 A. Yes.

1 Q. An Ohio case? Do you recall
2 what?

3 A. On several occasions I know that
4 I have --- the first time that I met
5 someone from Reminger and Reminger, I was
6 on the opposing side. And I think it was
7 an asbestos-related case, but primarily
8 related to neoplasm. There were breast
9 cancer cases and by --- you were saying
10 in Ohio, you're meaning either by trial
11 or deposition?

12 Q. Yes. I mean an Ohio case. I
13 mean deposition ---.

14 A. Right. I understand that, but
15 you said in Ohio, you know. I'm just
16 trying --- I know what it's going to ---
17 I'm to answer your question as you're
18 asking it, so it makes sense to me. I'm
19 sure it makes sense to you. Breast
20 cancer, there have been colon cancers for
21 Neuremberg Plevin (phonetic), I think Ann
22 Kilbain (phonetic) had a case. Then some
23 cervical cancer issues in Ohio.

24 Q. What percentage **of** your practice
25 would you say --- or of this work that

1 you do is Plaintiff oriented versus
2 Defense oriented?

3 A. It probably comes as nearly 50/50
4 as anything that I know.

5 Q. With respect to the colorectal
6 cancer case in Ohio, was there more than
7 one?

8 A. I reviewed more than one. I
9 think there's only one that went to
10 trial.

11 Q. Did you testify in more than one
12 by deposition?

13 A. I don't remember doing that, I
14 just remember reviewing it.

15 Q. Do you remember giving any
16 testimony in Ohio other than the trial
17 testimony in a colorectal case?

18 A. I don't remember. But that
19 doesn't mean that I didn't over the
20 years. I think I said Ann Kilbain was
21 the --- or Neuremberg Plevin was the
22 firm. There may have been two, but I
23 think only one went to trial because
24 that's what I remember.

25 Q. And what are your charges for

1 review of a file and your charges for
2 deposition testimony?

3 A. It's an hourly rate of \$280 an
4 hour.

5 Q. Is that money that goes directly
6 to you or money that goes to the
7 university?

8 A. To me.

9 Q. Other than Mr. Goldwasser, have
10 you spoken to anybody else about this
11 case?

12 A. Nobody outside of his office.
13 And I don't have any recollection of
14 talking to anybody other than him in his
15 office.

16 Q. To date, how much time would you
17 say you've spent on this matter?

18 A. Four hours.

19 Q. With respect to the cases that
20 you have reviewed, can you tell me what
21 percentage were medical malpractice
22 cases?

23 A. I'm missing this, **as** opposed to
24 product ---?

25 Q. As opposed to product injury,

product liability.

No, I've --- product liability is
3 the only other material that I've
4 reviewed. I don't think I've been
5 involved in any personal injury. I don't
6 know ---.

7 ATTORNEY GOLDWASSER:

8 Is this personal injury
9 --- are you talking about
10 automobile kind of cases?

11 ATTORNEY MALIK:

12 I'm talking about
13 automobile kind of cases.

14 A. I don't think I've ever been
15 involved in an automobile kind of case.

16 BY ATTORNEY MALIK:

17 Q. So what percentage would be
18 medical malpractice? Greater than 50
19 percent?

20 A. It depends on the time frame. In
21 some --- I've been involved in cases
22 relating to breast implants, and that
23 varies according to the year.

24 Q. Within the last five years, let's
25 say.

1 A. Well, in the last five years,
2 more relating to medical mal up until the
3 last year in which there's been a lot of
4 breast implant material reviewed.

5 Q. So percentage-wise ---?

6 A. It's --- it probably doesn't
7 translate real well into a type where ---
8 this year, probably 30 percent. Med mal
9 last year, a higher proportion, except
10 for the very end of the year there were a
11 couple of, I guess they're called cluster
12 cases where they have multiple cases
13 together.

14 ATTORNEY GOLDWASSER:

15 Class action.

16 A. Class action.

17 BY ATTORNEY MALIK:

18 Q. Just an average.

19 A. I don't think it's a class
20 action. It's literally just multiple
21 cases coming together under one thing.
22 It probably averages out to the majority
23 being medical malpractice, matters that I
24 review.

25 Q. That's okay. That's fine. Of

1 those medical malpractice that you've
2 reviewed, what percentage would be the
3 Plaintiffs and what percentage would be
4 Defendants?

5 A. About half and half. When I was
6 answering you before, that was the answer
7 relative to med mal, because I had
8 understood that to be the question.

9 Q. What --- can you tell me what
10 percentage of colorectal cancer patients
11 end up dying?

12 A. It depends on the stages of the
13 disease.

14 ATTORNEY GOLDWASSER:

15 I'm going to object.

16 This is **so** variable.

17 A. There's 138,000 or thereabouts
18 new cases diagnosed, I guess, and the
19 last time there was really good
20 statistics for that were 130, 140 and,
21 what, 50,000 thereabouts that die per
22 year.

23 BY ATTORNEY MALIK:

24 Q. **So** that comes out to what?

25 A. I'm not sure that's the way one

1 should to do that math, but of new cases
2 diagnosed by that statistic, if that were
3 a valid way to do it, just under half.

4 Q. All right.

5 A. In fact, there's no reason to
6 guess at that, is there? So what I'm
7 doing is pulling up recent statistics on
8 colorectal. We'll be doing this from
9 Holland and Frei. 138,000, 1995, 57,195
10 deaths.

11 Q. Is it a fair statement to say
12 that most colorectal cancers are believed
13 to arise from an adenomatous polyp?

14 A. Well, you've got the key word in
15 that sentence is believed to arise. Now
16 there are --- probably the majority of
17 colorectal cancer is diagnosed in which
18 you do not appreciate and adenomatous
19 polyp. The assumption of the stepwise
20 progression is related to Bert Vogelstein
21 (phonetic) work, in which the genetic
22 alterations occur. There is an increased
23 risk associated with a sessile polyp, but
24 your question is, do they arise from, and
25 I'm taking the word believe out, and I

1 would say, no, it's not fair to say that
2 they arise from. It is fair to say that
3 people believe that there is a
4 progression from mucosal change to
5 invasive cancer, and I think that bears
6 with the observations. The genetic work
7 that has been done bears out the fact
8 that there probably is point mutations
9 that are involved in the development of
10 the tumors. But all of those statements
11 are not the same as saying what you
12 asked.

13 Q. So your answer to my question is
14 no?

15 A. My answer, as I said, was no,
16 it's not fair to say that they do arise
17 from a little adenomatous polyp.

18 Q. What, in layman's terms, is an
19 adenomatous polyp?

20 A. An adenomatous polyp is a ---
21 you've got two words and the definition
22 of adenomatous polyp relates to the
23 meaning in both of those words.
24 Adenomatous means glandular derived and
25 polyp means growth or projection.

1 Q. Let me ask you this, is it a fair
2 statement to say that a polyp is a
3 grossly visible protrusion from the
4 mucosal surface? It may be classified
5 pathologically as non-neoplastic,
6 hyperplastic, adneo --- how did you
7 pronounce that?

8 A. Adenomatous.

9 Q. Adenomatous.

10 A. Sounds like something that I
11 might have written, so ---.

12 Q. Maybe it was.

13 A. Sounds like something I wrote.
14 Yes, I think that's a fair statement.
15 It's a growth or projection. I was
16 trying to put it in lay terms, but what
17 you read is an artfully written statement
18 of what an adenomatous polyp could be.

19 Q. **Is** it a fair statement to say
20 that adenomas are clearly pre-malignant?

21 A. **No.**

22 Q. And what's the basis for that?

23 A. Well, premalignant --- to
24 properly use the term, means there's an
25 obligate relationship to the malignancy.

1 First of all, malignancies kind of rise
2 without a predisposing or pre-existing
3 adenoma.

4 Secondly, in many situations in
5 many sites, adenomas occur without any
6 malignancy ever occurring. So your
7 statement misses in both directions. I
8 can make it a correct statement.

9 Q. No. No. No. I didn't say that
10 all adenomas cause cancer.

11 A. Right. You asked whether an
12 adenoma is a premalignant state. And I
13 said, the term premalignant properly used
14 indicates it's an obligate precursor. It
15 may be a function of time and/or residual
16 mutations that leads to or not leads to
17 the formation, but there are many
18 situations and sites in which adenomas
19 have no observable relationship to the
20 development of a cancer.

21 Q. Is it a more accurate statement
22 then to say that adenomas can be
23 premalignant?

24 A. Yes. That's what I was going to
25 correct your statement to.

1 Q. Okay. How do you differentiate
2 between a premalignant adenoma and a
3 malignant?

4 A. Under conventional methods?

5 Q. Yes.

6 A. And I'm going to make this
7 distinction a priority, you may have a
8 follow-up question, which is fine. Under
9 conventional methods, and conventional
10 being defined as nongenomic, nongenetic,
11 the distinction is really made on to the
12 degree of atypia that is observed or not
13 observed and the polyp in terms of
14 whether you are going to assign a low,
15 medium or high probability for the
16 development of a neoplasm --- cancerous
17 neoplasm from that lesion.

18 If, in fact, you take the degree
19 of atypia as one factor, the other factor
20 is sometimes considered a size. That's
21 much less of a reliable predictor than is
22 the degree of atypia.

23 The nonconventional methods
24 involve looking at point mutations and
25 expression of oncogenes. The problem

1 with that is that that would --- that
2 results in a change in the standard by
3 which you make the diagnosis of carcinoma
4 and/or, quote, precancerous condition. I
5 don't think that's yet a standard
6 practice.

7 Q. The latter that you're talking
8 about deals with changes or possible
9 changes in DNA; correct?

10 A. Simply put, yes. It's simplified
11 in the extreme because it's really both
12 changes in the **DNA** and changes in the way
13 in which DNA is transcribed.

14 Q. I want to dumb this down a little
15 bit.

16 A. Go ahead.

17 Q. And I'm more concerned about the
18 conventional.

19 A. That's the way I interpreted you,
20 and I hope I answered you that way. The
21 degree of atypia is your primary and the
22 second is size. There's a great deal
23 more information in the degree of atypia.

24 Q. **So** when you're talking about
25 atypia, are you addressing the issue of

1 visualization of the polyp by a
2 colonoscopy?

3 A. I'm trying to think if I
4 understand --- I don't understand your
5 question.

6 Q. Atypia, poly --- how are you
7 defining atypia, so I'm on the same page
8 with you.

9 A. There are two pages. And the one
10 page is whether it looks atypical in its
11 gross appearance. And that's the loosest
12 use of the term.

13 Q. Which is where my head was at.

14 A. That's okay. We have an
15 understanding in terms --- I think we're
16 communicating fairly here, which is all
17 I'm here for. The second page, which is
18 the page I was on, was the histologic
19 atypia, which is a good correlation to
20 probability of neoplastic transformation
21 to cancer.

22 Q. Is that sessile versus
23 pedunculated?

24 A. No. That's your page.

25 Q. Okay.

1 A. The sessile versus pedunculated
2 is in the realm of pathologic evaluation.
3 But the question of atypia as I'm
4 discussing it is histologic, meaning
5 microscopic cellular changes.

6 Q. Okay.

7 A. Sessile versus pedunculated ---
8 by the way, this whole conversation as we
9 went into the histologic atypical
10 component made the assumption that we
11 were dealing with across the board with a
12 sessile polyp. The pedunculated are a
13 lower probability of producing any kind
14 of problem.

15 Q. I don't want to get ahead of
16 myself so let me stop you right there.
17 You're about light years ahead of me
18 here.

19 A. I don't want to be. I'm trying
20 to move at the same level, just whistle.

21 Q. I read a statistic that indicated
22 adenomatous polyps may be found in the
23 colons of about 30 percent of middle age
24 or elderly people. Do you agree with
25 that.

1 A. That's probably an
2 understatement.

3 Q. What would you believe the
4 percentage is?

5 A. If you run the bowel at autopsy
6 associated with death from other causes,
7 you are probably going to find some hint
8 of an adenomatous polyp in the majority
9 of people over the age of 70. Now,
10 having --- those become arguable as to
11 whether they're actually adenomatous
12 polyps. You can get a polypoid
13 outpouching due to submucosal lymphocytic
14 infiltrate. You can have pseudopolyps
15 due to actually outpouching where there's
16 diverticular disease. So some looks like
17 it's coming up, but that's not the case.
18 In fact, it's not coming up, the area
19 right next to it is going down, gives you
20 the impression of something sticking out,
21 it's not the case. So loosely used, some
22 sort of polypoid change is very common.

23 Q. And so of that polypoid change,
24 what percentage of those become.

25 A. Extremely small fraction. And

1 your number there is probably related to
2 the incidence of colon cancer versus the
3 incidence of natural death in a given
4 year. But, gosh, that's a small fraction
5 of a percent.

6 Q. Okay.

7 A. As I think --- assuming we're on
8 the same page through that exchange.

9 Q. Yeah, I think we are.

10 A. Because we did change back and
11 forth there a little bit.

12 Q. Would you agree that most colon
13 polyps produce no symptoms?

14 A. Yes.

15 Q. Would you agree that's pretty
16 common knowledge for anybody with a
17 gastroenterologist?

18 A. I have no idea what's common
19 knowledge for a gastroenterologist. It's
20 certainly --- you know, we've already
21 established that most structures that
22 might be considered polyps, and you use
23 that term, I'm talking from the same page
24 that we left before, are of no clinical
25 concern or import. It then follows that

1 most do not, therefore, produce clinical
2 symptoms. Certainly those don't.

3 Q. Do you have any idea what
4 percentage of stools --- stool testing
5 results in positive occult blood
6 findings?

7 A. Done a single time?

8 Q. Sure.

9 A. Single and this is like giving
10 the patient or doing a rectal?

11 Q. Giving the patient.

12 A. Finish the sentence. Giving the
13 patient --- we're having conversation
14 without full words here so we're doing
15 ---

16 Q. Giving the patient a hemacult
17 slide.

18 A. A hemacult slide.

19 ATTORNEY GOLDWASSER:

20 Who was otherwise
21 asymptomatic.

22 A. He didn't ---.

23 BY ATTORNEY MALIK:

24 Q. That wasn't even in the equation.

25 A. The range on that runs from **two**

1 percent to like fifteen to eighteen
2 percent that you can get hemacult
3 positivity. A lot of this I was involved
4 in looking at material in terms of what
5 effective screening for colorectal cancer
6 might be from the MIH several years ago.
7 And the problem became the hemacults
8 interpreted as any degree of positivity
9 done a single time, gave one result, done
10 three times gave a higher result, then
11 the false positives became --- that is
12 false positive, we're on the same page,
13 means it's positive when no subsequent
14 significant finding is present. Not
15 false positive that it's false positive
16 and a hemorrhoid is found.

17 Q. Okay.

18 A. Because false positive means that
19 ---

20 Q. Okay.

21 A. We're on the same page there?
22 The problem became that it resulted in a
23 tremendous increase in anxiety and
24 potential for additional testing that **was**
25 really unnecessary because the use of the

1 hemacult was not particularly specific.

2 Q. Do you have any opinion or are
3 you going to give any opinion on whether
4 or not it's a worthwhile test to give?

5 A. I think it's a worthwhile test to
6 give. But I didn't know that I was going
7 to be asked that question.

8 ATTORNEY GOLDWASSER:

9 Well, you won't know
10 until I decide what to ask you in
11 fairness to you.

12 A. All right. I hadn't formulated
13 anything with regard to this case or in
14 the context of this case with regard to
15 worthwhile tests.

16 Now, having said what my personal
17 and professional opinion was, I also
18 recognize that in people with specific
19 conditions like diverticulosis or known
20 hemorrhoids or known anal fissures or
21 other problems, it is a dastardly test
22 that causes more problems than it solves
23 and there are many, including people who
24 have a lot of respect for, that don't
25 like to use hemacults for that reason,

1 and others.

2 BY ATTORNEY MALIK:

3 Q. But in your practice as an
4 internal medicine physician, you did
5 administer those tests?

6 A. Yes. I think that they have a
7 role to play.

8 Q. Did Mrs. James have colon polyps?

9 A. Did have what?

10 Q. Colon polyps.

11 A. Plural?

12 ATTORNEY GOLDWASSER:

13 When?

14 BY ATTORNEY MALIK:

15 Q. At any time from your review of
16 the record.

17 A. Yes, 1985, she had a polyp.

18 Q. **Is** it your opinion that she's
19 only had one polyp and that was the one
20 in 1985?

21 A. I saw --- I looked for two
22 things. One, evidence of other polyps in
23 1985 during that study, and subsequently
24 at the time when the diagnosis was made
25 for evidence that other polyps were

1 observed either by scope and reported or
2 by the sectioning of the histologic
3 material that was harvested. In both
4 cases, that leads to the answer in 1985
5 we had a polyp. I don't find a polyp per
6 se subsequent to that.

7 Q. Okay. Did that polyp become
8 malignant?

9 A. No. That polyp became
10 formalinized. Placed in formalin,
11 formalinized.

12 Q. That's because it was removed;
13 correct?

14 A. Correct.

15 Q. Where was the location of that
16 polyp?

17 A. I have to look in the records for
18 the number of centimeters, ---.

19 ATTORNEY GOLDWASSER:

20 I think it was 45 to 50.

21 A. Forty-five (45) to 50. I was
22 going to say 50, but let's look and see.

23 DOCTOR REVIEWS RECORDS

24 ATTORNEY GOLDWASSER:

25 The one in '85, David?

1 ATTORNEY MALIK:

2 Yes.

3 ATTORNEY GOLDWASSER:

4 Forty-five (45) to 50

5 then.

6 A. I was going to say 50. I was
7 looking for a typed form, which I know I
8 have. All right. Looking specifically
9 at the Mount Sinai Medical Center record
10 relating to the colonoscopy and
11 polypectomy dated 6/20/85, performed by
12 H. Eisenberg, specifically in the
13 procedure note it was, quote, polypoid
14 lesion and approximately 45 to 50
15 centimeters from the anal verge. And I
16 think and is probably a typo. It should
17 be at approximately.

18 BY ATTORNEY MALIK:

19 Q. Can you tell me when that polyp
20 developed?

21 A. No.

22 Q. Are there any tests that can be
23 done to determine when that specific
24 polyp developed?

25 A. That can be done ---

Q. Yes.

2 A. --- on the polyp or on any
3 material ---?

4 Q. On any material. Let's assume
5 there's slides.

6 A. No.

7 Q. At the time it was removed, could
8 there have been any tests to determine
9 when it developed?

10 A. You know, you're asking --- I'm
11 answering you very much specific to your
12 specific question. You cannot determine
13 --- you're asking can you determine when
14 it developed.

15 Q. I'm really talking about, not so
16 much an exact date as a range.

17 A. I accept that. But you're saying
18 when so as to give a range of dates when
19 it developed.

20 ATTORNEY GOLDWASSER:

21 You're asking with
22 reasonable medical certainty, I
23 assume?

24 ATTORNEY MALIK:

25 Yes. With reasonable

1 medical certainty.

2 ATTORNEY GOLDWASSER:

3 As he understands it.

4 **A.** I translated it there from your
5 smile. The fact is that in a polyp ---
6 in a benign polyp in which there's little
7 in terms of proliferative activity, you
8 --- it can be very slow and it may have
9 periods in which it's no change --- no
10 substantive change at all. I can't
11 answer when it developed. You can, based
12 on it's size, get an estimate of what its
13 proliferative rate is, a reasonable
14 guesstimate of the minimum time it might
15 have taken to get to that size. I don't
16 have from that polyp and assessment of
17 what the proliferative rate really was.

18 You asked a second question,
19 which was was there anything that could
20 have been done at that time. The answer
21 is, could have assessed proliferative
22 rate to age when determining how long
23 that's present. But the polyp itself had
24 no atypia. The polyp itself would not be
25 in the category of an atypical polyp.

1 And certainly in 1985, as in 1995, there
2 would be no reason to try to do that kind
3 of analysis.

4 BY ATTORNEY MALIK:

5 Q. Okay. I was listening carefully
6 to what your testimony was earlier, and
7 you had mentioned mucosal changes and the
8 step --- I'm trying to think of the exact
9 term. For lack of a better word, it's
10 step-by-step process. Before these
11 cancers develop, don't they start out as
12 adenomatous polyps?

13 A. No. I mean, that's a corollary
14 of your earlier question. You know,
15 before --- there are too many
16 uncertainties in the sentence you just
17 gave to give an answer.

18 Q. Now, let's stop right there. Let
19 me go on to more specific questions and
20 then we'll eventually cover that. Can
21 you tell me as a pathologist why these
22 polyps develop in the first place, these
23 adenomas? And remember, dumb it down.

24 A. I'm trying to dumb it down. You
25 know, dumbing it down for the development

1 of the polyp is harder than dumbing it
2 down for the development of the cancer.
3 You can get polypoid projections. We
4 define this in two forms earlier about
5 what we mean about polypoid and the
6 projection as being referred to as polyp.
7 The amount of the projection that's due
8 to something that may be in the submucosa
9 as opposed to the mucosa can be very
10 different from one polyp to the next.
11 And that's why in some of these
12 situations you may have little to no
13 mucosal change.

14 I need to compartmentalize that
15 for a moment. In the stepwise genetic
16 mutations that are involved in the
17 progression to colon cancer, those are
18 mucosal changes that are being described
19 that are remarkably known by what the ---
20 let's try --- promised to dumb it down.
21 You may develop polypoid change in
22 inflammatory conditions. It has nothing
23 to do with neoplastic process. You may
24 develop polypoid change because there's
25 actually atrophy next to where the mucosa

1 is being observed so it looks polypoid.

2 And I use the O-I-D, polypoid there as
3 opposed to polyp. Then your question was
4 directly, what causes the polyp. The
5 answer that I think we know at this point
6 is many of them may have some oncogene
7 changes, some DNA changes. But others do
8 not. And which oncogene is a trigger
9 oncogene ---.

10 Q. That's the subject of another
11 deposition.

12 A. Yes, it's a subject of --- but
13 that's why I'm saying that the dumbing it
14 down on the polyp is harder than on the
15 cancer.

16 Q. But you went where I needed you
17 to *go*. Were you aware that Mrs. James
18 had diverticulitis?

19 A. Itis, osis?

20 Q. Diverticulosis, okay.

21 A. That's a relatively important
22 distinction even though the words get
23 used interchangeably, yes.

24 Q. By saying diverticulosis, does
25 that anticipate inflammation going on in

the bowel?

2 A. It anticipates the potential for
3 diverticulosis can be associated with the
4 development of diverticulitis. And, no,
5 this --- I'm not very good at the memory
6 tests, so ---.

7 Q. Okay.

8 A. But I think that this was
9 predominantly diverticulosis described.
10 It may have been diverticulitis, also
11 described.

12 Q. Can diverticulosis lead to the
13 formation --- no, strike that.

14 Are patients with diverticulosis
15 at a higher risk for polyp formation than
16 patients without diverticulosis?

17 A. I think the answer to that is
18 yes.

19 Q. Okay. Now, let me go to the next
20 one. In patients with diverticulitis
21 ---

22 A. I've got to finish the thought
23 process because the problem --- without
24 --- careful in which page we're at, the
25 histologic page or the colonoscopic page.

70

1 You're on the colonoscopic page.

2 Q. Yes, I am.

3 A. So let me make this distinction

4 for you, and I hope it helps, it's

5 intended to. The diverticul --- the

6 question of whether there's increased

7 incidence of polyps on the colonoscopic

8 is that as you colonoscope an individual

9 with significant diverticulosis, you may

10 get what looks like polyps which is

11 really islands between the outpouching.

12 So on a colonoscopic page, meaning from

13 the colonoscopic viewpoint, you'll think

14 you have polyps. These things get

15 biopsied and we've seen lots of those.

16 They --- their mucosa, an unremarkable

17 mucosa. **So** that's not the same thing as

18 being a polyp. That's why I wanted to

19 pause and see. I heard you as being on

20 that page, I thought you were on that

21 page, and you confirmed that for me, and

22 I appreciate that. But that distinction

23 then **follows**.

24 Q. Let me be a little more sterile

25 in my questions statistically then.

1 A. Uh-huh (yes) .

2 Q. Are patients with diverticulosis
3 at a higher risk for the formation of
4 polyps?

5 A. Statistically people with
6 diverticulosis, I believe, are reported
7 to have a higher incidence of polyps.
8 Caveat that many times literature reports
9 findings that soften the definition and
10 confuse the practitioner because of the
11 implications of a true polyp versus an
12 outpouching polyp. I'm trying to find a
13 better simple word for that.

14 Q. Now, statistically with respect
15 to diverticulitis, are patients who have
16 diverticulitis more at higher risk for
17 colon polyps?

18 A. People with true diverticulitis
19 will get a submucosal swelling and often
20 develop polypoid projections. It's an
21 inflammatory polyp, true inflammatory
22 polyp in that setting. So as an
23 inflammatory polyp, I think the answer
24 is, yes, they are.

25 Q. I have photographs that were

1 given to me by Mr. Goldwasser of the
2 colonoscopy done in October. Have you
3 reviewed those?

4 ATTORNEY GOLDWASSER:

5 Do you want to see the
6 original document?

7 A. I have seen these, sure.

8 BY ATTORNEY MALIK:

9 Q. Okay. Can you, with this pen,
10 circle the cancerous area?

11 A. I can, with this pen, circle the
12 area that is being protruded out. I know
13 from the histology.

14 Q. Okay. That's fine.

15 WITNESS COMPLIES

16 A. See, that one --- well, this
17 one's just as good. It's still the same
18 area.

19 ATTORNEY GOLDWASSER:

20 Just don't mark this
21 origina

22 A. Why not?

23 ATTORNEY GOLDWASSER:

24 I'm going to use that.

25 BY ATTORNEY MALIK:

1 Q. Okay. Can you do it on all of
2 them, if it's shown on all of them?

3 A. Even in the original, this one
4 I'm going to write an A in the upper
5 right-hand corner. The lower left-hand
6 corner photo really is not of a quality
7 that let's me comfortably indicate that.
8 WITNESS COMPLIES

9 A. You're look --- what I've marked
10 here is obviously a two-dimensional
11 photograph and in outlining where I see a
12 mucosal change, some of this is projected
13 and there's a third dimension, which is
14 here (indicating), and you're not --- so
15 you have a two-dimensional outline around
16 a three-dimensional structure --- a
17 photographic representation of a three-
18 dimensional structure. I've only made
19 any markings on the upper two and the
20 lower right-hand.

21 BY ATTORNEY MALIK:

22 Q. And the things that you're
23 marking are all the same polyp; correct?

24 A. I don't know that. I don't ---
25 you know, I'm looking here for your ---

1 usually you'll get a depth recording on
2 those, seeing the date. You've got a
3 time recording and the date recording and
4 the patient's name. You know, someone's
5 not putting in the --- obviously photo
6 one, two, three, four, and that's
7 consistent with the time recordings,
8 which are 10:41 and 24 seconds, 10:41 and
9 59 seconds. You're fully two minutes
10 later, one minute and 19 seconds, 20
11 seconds later, and then another seven
12 seconds later after that. So I was going
13 over this with Mr. Goldwasser in terms of
14 recognizing what you see as you penetrate
15 these things. Not as a colonoscopist,
16 but as an observer in these, you're
17 moving with these so that you ask whether
18 these were all the same.

19 Q. Yes.

20 A. There is no way to report that as
21 the same. On the other hand, I believe
22 in the colonoscopy report, you put your
23 hand on that statement in a minute or two
24 here. It makes it clear that it probably
25 is. The colon is fairly dynamic. Some

1 may be more dynamic than others.

2 Now, your question would appear
3 to be answered is it's all a similar
4 lesion. But to put the context of the
5 dynamic nature of the colon, at any point
6 you can have contracture --- that's not a
7 --- is that meaningful to you if I say
8 that?

9 Q. Yes.

10 A. Or relaxation. And ahead of this
11 there is --- I don't know whether he's
12 going in or coming out and there's a
13 difference in how this looks as you go in
14 versus comes out. **So** it could be, it may
15 not be. From the report it would seem it
16 would be.

17 ATTORNEY GOLDWASSER:

18 I have the copy marked.

19 Mark mine similarly. Thank you.

20 BY ATTORNEY MALIK:

21 Q. To follow up what you just
22 stated, why does the polyp look different
23 going in than going out?

24 A. I need a movie. This is one of
25 these things, I'm trying to do this in

1 under a thousand words. I've got a
2 picture here. As you're going in, you're
3 insufflating in front of your scope. All
4 right?

5 Q. Insufflating meaning?

6 A. You're opening the space.

7 Q. Okay.

8 A. Okay. And as you're coming out,
9 it's closing behind you; right? And
10 there are going to be different degrees
11 of that closure depending upon
12 individual, the rigidity of the colonic
13 wall. Does that answer your question?

14 Q. Yes, that answers my question. I
15 knew the answer, I just wanted you to say
16 it for the record.

17 A. Okay.

18 Q. Now, there's obvious, for lack of
19 a better word, play due to this
20 contraction and closure of the colon;
21 correct? In other words, you can put a
22 scope to, let's say for example, 38
23 centimeters one day and 38 centimeters
24 another day and see different parts of
25 the colon because of its contractility;

1 correct?

2 A. I don't think that's completely
3 correct. What you can say with comfort
4 is that there's about a 20 percent
5 absolute difference in what may be there
6 and what may be seen in the best of
7 hands. There was a good study that was
8 put out --- I want to say Royal Marsden
9 (phonetic), but it was the London Group
10 in comparing air contrast barium enemas
11 to colonoscopy. And it was really
12 interesting because the air contrast won,
13 no doubt about it. And they turned
14 around and then said, that if you went
15 and did the colonoscopy more than once in
16 case of failure of the colonoscopy, then
17 it improves. Well, gee, that's sort of
18 like what you're saying. But if you put
19 the colonoscopy plus the air contrast
20 barium enema together you improve still
21 further. Right?

22 So the answer to your question is
23 that a dynamic observation of a colonic
24 mucosa will and probably does in any
25 given individual **look** different to both

1 the observer and to a movie camera if it
2 was present during that procedure. So if
3 that's your question, I think that's the
4 answer. But is --- what I'm stuck up on
5 is the reason for the difference.

6 Q. My question goes specifically to
7 reference points, distance. In other
8 words, if you're ---.

9 A. If you were to go to the same
10 number of centimeters through the same
11 colon, the actual length that you've
12 penetrated may be different?

13 Q. Right.

14 A. Yes, that's true.

15 Q. By either what percentage or how
16 many centimeters?

17 A. I don't know. I mean, can you
18 --- I mean, this is like a sleeve and a
19 sock; right?

20 Q. Correct.

21 A. That's the best metaphor I know
22 for this and now I've gotten into
23 discussions about this before. It may
24 differ by considerable amounts depending
25 upon the compliance and rigidity of that

5'

1 person's colon. So I'll leave you with
2 the sock metaphor, you know. I can put
3 the same sock on my foot, my foot being
4 the scope, and it will give different
5 lengths, but I've actually covered the
6 same length of the sock and my foot goes
7 to the toe. So what you use is the end
8 point of a colonoscopy is the cecum, not
9 the number of centimeters. *So* you end up
10 at the same point. It's just sometimes
11 you have a perception of traveling
12 greater distances versus lesser
13 distances.

14 Q. You say then that you perform *the*
15 colonoscopy to the cecum, is that what
16 you're telling me?

17 A. You talking about full
18 colonoscopy, yes.

19 Q. Right. Okay.

20 A. So if you'd go to some fiduciary
21 point.

22 Q. Yes.

23 A. Then you've covered the
24 ascending, transverse, descending, the
25 reverses direction, to some fiduciary

1 point.

2 Q. When you have --- let's say you
3 have a sigmoidoscopy, flexible
4 sigmoidoscopy that will go to 60
5 centimeters, can you accept that part of
6 my ---?

7 A. I'm listening to, I haven't
8 accepted or rejected it. I'm just
9 listening.

10 Q. Okay.

11 A. But I will raise my left hand and
12 say, you do remember me saying that I'm
13 not a gastroenterologist and that my
14 presence thereby may reflect on knowledge
15 on this. I don't know that I'm the right
16 person to be asking all this.

17 Q. Okay. But you are a physician
18 who is familiar with anatomy and familiar
19 with what the colon looks like; correct?

20 A. Yes.

21 Q. The sigmoid colon; correct?

22 A. I think that's a fair statement,
23 yes.

24 Q. Okay. And the rest of the colon;
25 correct?

1 A. Yes.

2 Q. Okay. Can you tell me at, let's
3 say, 38 centimeters, what the margin of
4 error would be in terms of where you
5 could look at one day and where you could
6 look at the next day? If you're answer's
7 no, just tell me no.

8 A. What was your question? Can I
9 tell you what the margin of error would
10 be?

11 Q. Right. I mean, how much ---?

12 ATTORNEY GOLDWASSER:

13 With regard as to the
14 accuracy, the measurement?

15 A. No. I think he's talking just
16 about the distance.

17 BY ATTORNEY MALIK:

18 Q. Right. I mean how much did the
19 colon bunch up? Right.

20 A. The colon can bunch up
21 dramatically. And I don't know what the
22 ---

23 Q. I'm trying to get a ---.

24 A. I don't know what the number is.
25 I don't --- you know, that's ---.

1 Q. More than ten centimeters?

2 A. Well, what don't you understand
3 about no? You know, it's --- that's a
4 question for the persons who do these and
5 observe --- I mean, it's really a test of
6 doing the same colon, not six years
7 apart, but you know, a day apart, X
8 number of days, and I'd love to see you
9 get that through the LRB.

10 Q. Okay. Now, the more that you **do**
11 colonoscopies, --- strike that. Let me
12 just go to the next question.

13 How did this polyp or cancer
14 appear to the naked eye when it was seen
15 on colonoscopy? How would you describe
16 it?

17 A. I don't know whether it was entry
18 or exit through here except for the
19 timing that I just identified to you and
20 the number of minutes between that. I
21 think it's probably taken about the same
22 time. That's a question really to pose
23 to the colonoscopy person. What I have
24 is the representation photographically,
25 which is at best a poor representation.

1 It's clearly abnormal. And at this
2 point, it is clearly occluding or appears
3 to be pressing into a significant portion
4 of the lumen. Now, I don't know whether
5 that was able to be displaced or not. My
6 reading of the colonoscopy note says it's
7 probably not. What I see here is trumped
8 entirely by what I see on the histologic
9 slides.

10 Q. What does that mean, trumped
11 entirely?

12 A. I mean the histologic slides out
13 --- while what you see here is a
14 photographic representation that speaks
15 for itself, the histologic slides tell me
16 what it is that I do, in fact, see here
17 only because I'm told that those slides
18 are taken from a lesion from this
19 location. And I know they're fixed in
20 time and space.

21 Q. Okay. From the histologic
22 slides, from your review of the records
23 from your looking at the photographs, can
24 you give me a range of time in which the
25 mucosa started to change to when this ---

1 what would be the correct word, tumor,
2 polyp, cancer, develop?

3 A. Most of the mucosal reddening
4 there is not necessarily cancer. I've
5 got these slides and actually, Goldwasser
6 has them, brought them with him again
7 today. The fact of the matter is that
8 the tumor is, for the most part,
9 undermining the mucosa. The amount of
10 mucosal change here is remarkably little.
11 When you look at this and know that fact,
12 you're seeing this as a proud mucosa,
13 proud meaning pushed up and reddened,
14 But that's edematous and pushed up.
15 You're not seeing the often frondy,
16 F-R-O-N-D, frondy-like --- or
17 F-R-O-N-D-Y, now that I made the new word
18 up, the fronds of the mucosa that are
19 often seen as you develop these polyps
20 and then within the polyp develop a
21 carcinoma. **So** this thing in the slides
22 representing where this tumor was on the
23 specimen is predominantly a tumor in the
24 submucosa and muscularis, really pushing
25 this thing up. I have no question, this

1 goes back to the dynamic assessment that
2 this was a relatively rigid area of the
3 colon. But that pressure and the partial
4 occlusion, I think 80 percent was the
5 number on the record there, is occurring
6 because this thing is filling up
7 underneath the mucosa. All of this is
8 following from your question, how long
9 ago did this mucosa change.

10 The mucosal changes that are
11 predominantly present, are not that
12 dramatic. The dramatic changes are the
13 submucosal tumor. That tumor is an
14 extremely high mitotic rate and a poorly
15 differentiated. And it's not a matter of
16 months to really develop into the kind of
17 tumor mass that you're looking at.

18 Q. When you use the phrase, high
19 mitotic rate, what are you talking about?

20 A. The number of cell divisions that
21 are observed.

22 Q. Like in doubling?

23 A. No, no. Doubling --- you know my
24 speedometer doesn't tell me how far I've
25 traveled.

1 Q. Right.

2 A. My speedometer tells me how fast
3 I'm going. Actually it doesn't tell me
4 that, it tells me how fast my rear wheels
5 are going in the particular vehicle I
6 drive. A doubling of the tumor mass
7 requires that you have a knowledge not
8 only of the rate of cell division, but
9 also what the rate of cell death is.

10 This particular tumor, in
11 addition to a high rate of division, also
12 has a fair amount of necrosis, death, in
13 it. And so, that will actually cause you
14 to slow the size enlargement, but not
15 slow the rate of tumor burden --- I'm
16 trying to find --- that's not the right
17 term. Can I not dumb it down?

18 Q. Yes.

19 A. Okay. If you look at it in terms
20 of the actual proliferation, it is a
21 persistent proliferation at a particular
22 mitotic or division rate. .But that is
23 complicated in terms of doubling of tumor
24 size by the presence and demonstrable
25 existence of, necrosis, or tumor death.

1 The tumor death on its surface
2 would seem to slow the rate in which the
3 tumor might enlarge. But you may, as a
4 result of that tumor death, get edema and
5 swelling and congestion, which
6 contributes to mass effect. Most of the
7 time when people glibly discuss doubling,
8 they're talking about mass effect, as
9 though there was a mathematical
10 relationship between tumor size and
11 number of cells present. There is a
12 relationship, but that relationship is
13 confounded by all those variables and
14 more that I've discussed.

15 What you've got in that picture
16 which is what stimulated this lecture.

17 Q. Thank you.

18 A. I mean, I don't know how else to
19 characterize it. It's far beyond what I
20 meant to deal with today, but the fact of
21 the matter is, that picture is more red
22 and edematous than it is strikingly
23 abnormal mucosa. Even in the original
24 picture, which is a better quality than
25 the one that you've been given as a copy.

1 Q. Let me do this by level then and
2 try to follow what you're telling me.
3 How long were the changes in the
4 submucosa going on?

5 A. I think weeks and months.

6 Q. Okay. Two months, three months?

7 A. I think that to get a perceptible
8 mass like that would probably be in the
9 last three to four months.

10 Q. Okay. For the entire tumor to
11 develop?

12 A. No. For it to develop to where
13 it's perceptible.

14 Q. To where it's perceptible, all
15 right. And what about the changes going
16 on before it was perceptible? Is there
17 any way of knowing?

18 A. Whether there was significant
19 mucosal change?

20 Q. Right, or submucosal change.

21 A. Well, I think there was
22 submucosal change during that period of
23 time, but it would be subrosa, does that
24 word dumb it down? I mean, you know,
25 under the surface in every sense. You

1 might be able to determine with a study
2 that there's some difference in motility,
3 but probably wouldn't. The mucosa that
4 I'm finding in these sections is ---
5 clearly has focal abnormality, but I
6 don't think that the majority of what you
7 have been able to see before it became a
8 mass, which is principally due to the
9 underlying --- that was not directed to
10 you, sorry. The mucosal change wouldn't
11 have been something that would have been
12 readily apparent from what I see on the
13 slides. And it's not real terribly off
14 when I look at this. I mean, leave this
15 to what we do when we examine and examine
16 a gross specimen, you do have some
17 mucosal alteration apparent through here
18 (indicating). I can't tell you without
19 examining it microscopically what of that
20 would be due to edema versus actual
21 tumor. You don't get the clear-cut
22 erosion, at least in the shots that are
23 taken here and there's too much
24 reflection off of the lower right-hand
25 corner shot to speak to it, that lets me

1 go much further than that. There's a
2 superficial area in the upper right-hand
3 one that may well be an erosive area. So
4 that's about as far as I can go with that
5 from the gross, which is what the
6 photograph represents.

7 Q. So just so I'm clear, we're
8 talking a period of maximum, a few months
9 before there's any appearance of visible
10 tumor.

11 A. Before would be perceptible. I
12 think that's probably correct, yes. The
13 metaphor that fits in the photograph that
14 you have is, you may have nothing wrong
15 with your skin and have an abscess under
16 the skin, you'll get a big red bump here.
17 But what's going on is really underneath
18 and you won't see anything going on until
19 something happens to make you aware of
20 that.

21 Q. So then from the point where it
22 first became visible to the point where
23 it obstructed 80 percent of the bowel,
24 can you assess a time period?

25 A. I think incorporated into that is

1 the assessment of what symptoms were or
2 weren't reported. But from the point at
3 which you begin to get the wall to be
4 rigid and you start obstructing, it's
5 very short. And that's contributed to by
6 both the actual tumor mass and the edema,
that's the swelling that's associated in
8 the area of the tumor. And that's in
9 terms of weeks to months.

10 Q. So from --- but to reach the
11 point of 80 percent occluding that
12 portion of the colon, what would you say
13 that it took in terms of time?

14 ATTORNEY GOLDWASSER:

15 He said weeks or months,
16 I think.

17 A. What I --- yeah. You mean from
18 the first change or from ---?

19 BY ATTORNEY MALIK:

20 Q. From the time when it would have
21 been perceptible or changes in the mucosa
22 would have been perceptible by
23 colonoscopy.

24 A. Well, that **is** weeks to months.
25 That is the .answer to that.

1 Q. To the point where there's 80
2 percent obstruction in the bowel?

3 A. Yes. Because you're really
4 looking at this thing with relatively
5 little mucosal change aggressively
6 invading and being found in the
7 submucosal and the muscularis.

8 Q. Another, what, three months, can
9 you say with certainty?

10 A. No. Not with --- another three
11 months, I'm losing you on reference to
12 ---

13 Q. Well, we have the changes leading
14 up to the change --- the visible changes
15 in the mucosa. And the changes from the
16 point where it's first visible in the
17 mucosa to where it obstructs 80 percent
18 of the bowel. **So** it was my understanding
19 we had an initial three months to where
20 we saw changes in the mucosa and then we
21 had a time period ---.

22 A. Oh, no. Actually what --- the
23 word that we were using there and I think
24 appropriately is perceptible. **Now,**
25 you've moved it back to a change in the

1 mucosa. A change in the mucosa versus
2 the perceptible change in the mucosa,
3 perception requires that you be able to
4 specifically visualize this. Small
5 changes in the mucosa may be associated
6 with really dramatic changes submucosal.
7 You won't appreciate the mucosal changes.
8 You have the submucosal changes existing,
9 the tumor is invading down rather than up
10 and then you get to where the wall
11 becomes rigid and the tumor mass
12 increases. It is not a great deal of
13 time to get to that point from where you
14 have relative rigidity to the wall to
15 where the mass pushes up.

16 Now, the perceptible changes in
17 the mucosa is the important distinction
18 here wherein you look at this histologic
19 section, there's not a lot of the mucosa
20 that seems to be involved. It's all
21 coming underneath it.

22 Q. But yet we have a tumor that's
23 invaded 80 percent of the colon according
24 to the records.

25 A. That occludes 80 percent of the

1 lumen, yes.

2 Q. Okay. Occludes 80 percent of the
3 lumen. So my only remaining question is
4 as far as that's concerned is, how long
5 did it take from the point the colon
6 became rigid to the point where it
7 occluded 80 percent of the lumen?

8 A. Well, based on what I've seen on
9 the slides, there was tumor extensively
10 involved in the submucosa muscularis and
11 then it also piled up, at least through
12 the area I think is represented there, you
13 know, that's the image from the
14 colonoscopy as opposed to the specimen,
15 but they should be related and I believe
16 they are. That swelling, that extension
17 is what I'm referring to when I'm talking
18 about a matter of months. I don't know
19 another --- I don't know what we're
20 missing if we're not communicating on
21 that.

22 Q. A matter of months from the
23 mucosa upward. From the lumen ---.

24 A. Here's where I'm --- I'm
25 searching as I'm looking at you trying to

1 see where we're failing to communicate
2 here. There are many situations in which
3 that --- which appears to be the primary
4 site is minuscule compared to that which
5 is the invasive and extensive spread
6 and/or metastasis site. The tumor burden
7 fraction is in fractions of fractions of
8 percent in terms of the tumor burden.
9 You are looking with a colonoscopy at a
10 tool that is best directed to the
11 appearance of the mucosa. If your
12 process is underneath that mucosa and the
13 only thing present on the mucosa is small
14 to perhaps even microscopic, you may see
15 nothing and that is imperceptible.

16 Q. Okay. I can accept all that.
17 I'm just talking about when you look at
18 those photographs, the area you visualize
19 in those photographs as obstructing, as
20 you said, 80 percent of the lumen.

21 A. Well, I'm reading that from the
22 report.

23 Q. Okay. What --- can you tell me
24 what period of time it took to obstruct
25 80 percent of the lumen as you visualize

1 those photographs?

2 ATTORNEY GOLDWASSER:

3 Are you talking about
4 from when it was perceptible or
5 from when it was first
6 submucosally active?

7 BY ATTORNEY MALIK:

8 Q. I'm not talking about submucosa,
9 I'm not ---.

10 A. I think the first point at which
11 placing a scope, or if I were looking at
12 the specimen pathologically, which is a
13 much more --- to where I would have
14 recognized something from the inner
15 surface to where it's representing a
16 occlusive --- not completely occlusive,
17 but significantly obstructing, is
18 generally a function because of the
19 amount of edema that you can demonstrate
20 in here, it's not a matter of more than
21 two or three months. All right? Now,
22 that doesn't mean that there hasn't been
23 tumor extending through the muscularis
24 and submucosa that wasn't building
25 upwards and .pushing for some period

1 before that. And remarkably, and as I
2 see it in the slides, the amount of
3 changing occurring over the surface
4 epithelia is really not dramatic.

5 Q. Okay. So am I correct in
6 understanding you that the tumor first
7 grew downward before it grew through the
8 lumen?

9 A. I answered you in the --- I don't
10 have a question at the point at which you
11 said that. Can't say, which is to say
12 that it grew downward at some point in
13 what I see, and the tumor/cancer cells
14 grew through the lumen downward and
15 pushed the mucosa up. That is --- also,
16 you asked for the principal growth of the
17 tumor is downward and disrupting that to
18 push it up.

19 Q. Okay. So then as it's growing
20 downward, it's pushing it up?

21 A. As it's growing, having grown
22 downward, it's pushing it up.

23 OFF RECORD DISCUSSION

24 BY ATTORNEY MALIK:

25 Q. And again, just so I'm clear in

1 understanding, when it's grown downward
2 and pushing upward, is it --- that's a
3 period of a few weeks to a few months?

4 A. Correct. The time --- a few
5 weeks to a few months was in response to
6 the question of how long did it take to
7 occlude 80 percent of the lumen. And the
8 combination of both the growth and the
9 edema and swelling happens very rapidly.

10 Q. But both the growth downward and
11 the growth --- and the protrusion?

12 A. Correct.

13 Q. We're talking a few months ---.

14 A. It's centripetal growth, so, yes.

15 Q. All right. In Doctor Eisenberg's
16 notes, you indicate May 22nd of '95,
17 pinkish blood. Would that be an
18 indicator of this tumor existing?

19 A. I don't know. I mean, it may be.
20 It's a positive finding. This is in his
21 ---

22 Q. Office note?

23 A. Yeah, office note. Occassional
24 pinkish blood. I think that's a
25 description of her, Mrs. James'

1 observation, that she occasionally saw
2 pinkish blood. You know, at this level,
3 which is 38, centimeters ---.

4 Q. Not then, 28 centimeters.

5 A. This is '95. I'm sorry, 28
6 centimeters for this lesion. Pink would
7 be ---.

8 Q. Well, 38, I think 38 is where he
9 went --- did the sigmoid scope at one
10 time and then he went down to 20.

11 A. Right. That's right above us,
12 the flex sig in '94 to 38 and this is a
13 28. We're on the same ---.

14 Q. Yes.

15 A. Now, the question is, is my ---.

16 ATTORNEY GOLDWASSER:
17 What's the question?

18 A. No, we're just making --- I gave
19 him a response which was because my eye
20 caught the upper part of the page here
21 and he was just correcting me to the
22 distance.

23 BY ATTORNEY MALIK:

24 Q. Right.

25 A. Which is 28 centimeters. Where

1 we were heading, he was asking --- let me
2 go to the question. The question was, is
3 the pinkish blood indicative of a tumor?

4 Q. That's right.

5 A. And what I was about to process
6 is whether it's low enough to give you
7 bright red blood or overt blood, and it
8 is. I mean, it could be.

9 Q. The pinkish blood could be
10 indicative?

11 A. Could be, yeah. Although usually
12 at 28, you know, it's going to be more
13 mixed.

14 Q. Are you going to render any
15 opinions on the standard of care for
16 Doctor Eisenberg?

17 ATTORNEY GOLDWASSER:

18 I'm going to ask him
19 that. He doesn't know until I
20 tell him what I'm asking. I
21 didn't tell him today what I'm
22 going to ask him at trial. You
23 know I will ask him that.

24 ATTORNEY MALIK:

25 With respect to ---

1 ATTORNEY GOLDWASSER:

2 Standard of care.

3 ATTORNEY MALIK:

4 --- the colonoscopy?

5 ATTORNEY GOLDWASSER:

6 The appropriateness of
7 not doing the repeat surveillance
8 colonoscopies after 1985.

9 ATTORNEY MALIK:

10 Okay.

11 BY ATTORNEY MALIK:

12 Q. Assume, please, that you are
13 asked whether or not it was within the
14 standard of care to not do repeat
15 colonoscopies after 1985, what would your
16 thoughts on that be?

17 A. I don't think that the repeat
18 colonoscopies are required. This was not
19 an atypical adenoma. Nothing about the
20 descriptors on the adenoma suggested that
21 it was. There were no other polyps
22 appreciated and that extended as we
23 already discussed to the 1995 studies.
24 No symptoms in between.

25 I don't think that one is really

1 meaning to do the interval. I'll finish
2 the question after the thought.

3 SHORT BREAK TAKEN

4 A. Requirement for doing the
5 colonoscopy. How far had I gotten with
6 the answer?

7 ATTORNEY GOLDWASSER:

8 She'll read it back.

9 COURT REPORTER READS BACK PREVIOUS
10 QUESTION

11 A. I don't think that the standard
12 of care requires the performance of
13 interval colonoscopies. The relative
14 risk that this woman would have been
15 identified as having was not that great.
16 And I'm basing that on the fact that she
17 really didn't show any atypia in the
18 adenoma, that there were no other polyps
19 appreciated, and in the interval from
20 1985 to 1995, more likely than not had
21 one been done on a yearly basis or every
22 three years, you would have been 1985,
23 1988, 1991 and then reassure her. And
24 not many would have continued to do it in
25 perpetuity.

1 BY ATTORNEY MALIK:

2 Q. Did the '85 polyp grow downward
3 also?

4 A. No.

5 Q. Assume now the presence --- or
6 the reporting of pinkish blood in May of
7 1995, ---

8 A. Right.

9 Q. --- would the standard of care
10 require colonoscopy after that, given her
11 history?

12 A. I think that you have a person
13 who has had --- no, the history wouldn't
14 have been a major contributing factor to
15 the decision that she should be studied,
16 but the finding of gastrointestinal
17 bleeding is important. If it's
18 determined that it's other than right at
19 the anal verge, it needs to be evaluated.
20 It's just not acceptable to have rectal
21 bleeding and/or colon bleeding and not
22 explain it.

23 ATTORNEY GOLDWASSER:

24 The testimony is going to
25 be this was occasional pinkish

1 blood seen on toilet tissue.

2 A. I understand that, but I --- he
3 asked me a question that was both related
4 and abstract. Did I hear you correctly?

5 BY ATTORNEY MALIK:

6 Q. Yes.

7 A. So we're making assumptions
8 somebody has some bleeding, and then to
9 distill it down we'll see where ---
10 that's where we'll be on the same page in
11 the same church. If somebody has GI
12 bleeding, is it appropriate not to
13 evaluate it? Simple answer, no. And if
14 there's rectal bleeding or bleeding in
15 the stool, irrespective of previous
16 history, you need to evaluate it.

17 Q. So now let's go to the ultimate
18 question, assuming it was evaluated at
19 the end of May, beginning of June, ---

20 A. Of '95.

21 Q. --- of '95, would the tumor for
22 which we're here today had been detected
23 or would any mucosal changes have been
24 seen or would there be anything that
25 would lead the examiner to question the

1 site?

2 A. Probably not.

3 Q. Okay. And the basis for that?

4 A. The pattern in which you can
5 observe it in October of '95. So that
6 we're also clear on the bleeding issue,
7 Mr. Goldwasser obviously broke into that
8 conversation, but that is an important
9 distinction that it be more than just
10 superficial bleeding, meaning superficial
11 at the anus.

12 Q. Nevertheless, assuming that that
13 is the testimony, that it's pinkish blood
14 on toilet paper, would you still say it's
15 within the standard of care to be safe
16 and do the colonoscopy?

17 A. Pinkish blood on the toilet
18 tissue and no blood in the stool?

19 Q. Well, there was no hemacult test
20 done and apparently no blood on the stool
21 was reported.

22 ATTORNEY GOLDWASSER:

23 '95 there was.

24 ATTORNEY MALIK:

25 I'm talking in May of

1 '95.

2 A. She reported blood at ---
3 hemoglobin and everything is normal and
4 not done.

5 BY ATTORNEY MALIK:

6 Q. I would have to double check
7 that.

8 A. That would be a great comfort
9 that that would be the case, because I
10 can't remember as I sit here. Let me
11 take a peek. Not great comfort for
12 anything other than to know that ---.

13 Q. I'm not sure that just blood on
14 the toilet tissue ---.

15 ATTORNEY GOLDWASSER:

16 This was from September
17 of '95 there were four hemacult
18 slides that were negative.

19 A. In September of '95.

20 ATTORNEY GOLDWASSER:

21 September of '95.

22 October of '94, there were two
23 hemacult slides which were
24 negative.

25 A. I think that your hemacult tends

1 to be too sensitive and not specific
2 enough leading one to conclude that this
3 would suggest there was not --- a
4 reasonable clinician would conclude that
5 there was not --- she had bleeding.

6 BY ATTORNEY MALIK:

7 Q. Okay. But just back to the
8 original question. Should, even with the
9 presence of pinkish blood on toilet
10 tissue, a colonoscopy have been done in a
11 woman with a history of a polyp that's 80
12 plus years old, diverticulosis.

13 A. No. That would actually reduce
14 the --- an 80 year old that's just
15 showing some pink blood on toilet tissue,
16 hemacult negative, no.

17 Q. But with --- what about not
18 hemacult, just the evidence of pinkish
19 blood on the toilet tissue?

20 A. The reasonable thing at that
21 point would be to determine whether there
22 was blood in the stool or not, which is
23 what the hemacult is doing. Would I go
24 immediately to colonoscopy if that were
25 the case? I would have had several

1 myself. So just pink streaking on toilet
2 tissue I don't think would push you to
3 perform a colonoscopy. It would
4 reasonably warrant follow-up evaluation
5 such as the verification as to whether
6 there was blood in the stool.

7 Q. Would that be by sigmoidoscopy?

8 A. It could be by hemacult.

9 Q. Can this kind of cancer cause any
10 cardiac problems?

11 A. Directly?

12 Q. Symptoms of cardiac problems. In
13 other words, can the patient have
14 tachycardia, can the patient have
15 palpitations, can the patient ---?

16 A. The answer is, yes, if you have
17 a, anemia. And anemia can lead to that.
18 The answer is, yes, if you have
19 pericardial metastasis. The answer could
20 be, yes, if you had an obstruction and
21 really performed a Valsalva, that you
22 could block down. But in terms of the
23 tumor directly, no.

24 Q. Is there any way to determine
25 ---?

57

1 A. Are you thinking of a carcinoid
2 or something?

3 Q. No, no, no. I'm not thinking of
4 a carcinoid. I'm just thinking from the
5 colon obstruction and from the tumor that
6 she had.

7 A. Well, just the obstruction is,
8 you know, you can get into troubles from
9 obstruction.

10 Q. Cardiac-wise?

11 A. Yes, cardiac-wise.

12 Q. Is there any way to --- strike
13 that.

14 Is there any way for a
15 gastroenterologist to measure any of the
16 molecular changes going on in the cells
17 that doesn't require a big, elaborate
18 process? In other words, we have
19 colonoscopy for screening, we have
20 sigmoidoscopy for screening, we have
21 hemacult, is there anything else that can
22 be done to check?

23 A. That's reasonably done? I mean,
24 you know, there --- skeptologists have
25 argued that you can actually measure the

1 DNA from the stool and Bert Vogelstein
2 has actually proposed testing of stool
3 for DNA oncogene changes. I don't think
4 that's in the realm of diagnostic testing
5 at this point. Your question was --- and
6 look for mutations in peripheral white
7 cells, but, you know, I think you'd do
8 that as a routine. In fact, there are
9 people who argue against doing that at
10 all.

11 Q. There is a report I saw that you
12 had that indicated the staging of this
13 tumor? And on the bottom of the page ---
14 right here (indicating).

15 A. TM and N.

16 Q. TM and N is the standard staging
17 measurement; right?

18 A. Yeah, Duke systems or TM and N.

19 Q. Okay. Can you tell me what, as
20 it's written there, what it means?

21 A. Well, T-3 means it's through the
22 mucosa, through the serosa and to his
23 nodule involvement, and MX is metastasis
24 unknown, X, unknown.

25 Q. What did you use to determine how

1 far down the tumor grew?

2 A. In terms of volume?

3 Q. In terms of volume, correct.

4 A. You use it from the mucosal ---
5 well, that's --- you asked it following
6 the TM and N question.

7 Q. Yes.

8 A. You can use it by histological
9 landmarks, which is the presence of
10 muscularis. As it, you know, through the
11 muscularis and in the presence of the
12 serosas, as it enter the serosa. And in
13 this case also the pericolonic fat is it
14 diffusely in and throughout the fat.

15 Q. But did any of the slides you
16 looked at tell you how far down it went?

17 A. In terms of through the serosa
18 muscula?

19 Q. Right.

20 A. Sure.

21 Q. Okay. Can you tell me what this
22 document represents?

23 A. Sure. Whenever a process slides,
24 I try to document what the slides that
25 were received looked like. And there are

1 any different number of ways to do that
2 varying from photomicrographs to
3 histologic snapshots taken with a camera.
4 This represents a demonstration of which
5 slides I had received, looked at and
6 returned and it was accomplished by
7 simply putting them on a ---.

8 Q. Xerox machine?

9 A. Well, I don't think it was Xerox,
10 it might have been an alter account. But
11 it was a photocopy device.

12 Q. Are you going to make any
13 photographs of any of those slides for
14 trial?

15 A. I didn't think so. The slides
16 allow for direct projection off the slide
17 without having to photograph them.

18 Q. And which slides do you intend to
19 use?

20 A. I don't know. It depends on the
21 question I'm asked, but the three, four
22 and five probably are the most readily
23 --- probably give the most information
24 vis a vis what we discussed here today.

25 Q. Could you just briefly, please,

2 tell me what three, what four and what
 3 five show?
 4 A. Okay. Number three ---.
 5 Q. Can you --- is this for us to
 6 write on?
 7 A. I don't think it's the only one I
 8 made, but you want to photocopy them.
 9 The number, you know, the slide itself,
 10 it would be easier than that because this
 11 one --- this literally is just a document
 12 to show what slides were looked at.
 13 Q. Three, four.
 14 ATTORNEY GOLDWASSER:
 15 I gave you the wrong one.
 16 Here's five.
 17 A. Yes, this is 14.
 18 ATTORNEY GOLDWASSER:
 19 Yes, there's five.
 20 A. Okay. What you're seeing here
 21 is, you have mucosa coming along through
 22 here. Readily appreciated, you have
 23 tumor nesting here, tumor nesting here
 24 (indicating). There's no further mucosa
 25 on that. You have the edema and the
 fibrosis.

1 BY ATTORNEY MALIK:

2 Q. That's five?

3 A. That's in five. And then in
4 number four you have a similar
5 appearance. The section is not ---
6 what's the right word for that. You're
7 limited in how much tissue you can place
8 on a slide and it is cut off on one end,
9 but you again have tumor located and
10 extending through --- down through the
11 muscularis and into the region of the
12 serosa. In five you're able to see that.

13 In four, you don't really have a
14 clean shot of the serosa, if I remember
15 the microscopic appearance. And in
16 number three, you really see the tumor
17 predominantly down in the muscularis and
18 down through the serosa.

19 Q. Okay. When could this tumor have
20 been --- do you have an opinion as to
21 when his tumor could have been resected
22 earlier and have provided a greater life
23 span for the patient?

24 A. Well, you would have had to
25 recognize it in order to resect it, and

1 that's the problem. So I don't think
2 that the point at which it really was
3 able to be discerned would allow for a
4 successful resection and treatment. The
5 second component that's present is this
6 really invading, the way it does is a
7 very aggressive tumor. So even a small
8 tumor can result in problems.

9 Q. Can you tell us when or
10 approximately when within that three-
11 month period of time it metastasized to
12 the liver?

13 A. I'm not sure it was within that
14 period of time. It may have been before
15 that.

16 Q. Okay. Can you explain that for
17 me, how that could occur?

18 A. Yes. I mean, this tumor is, as
19 aggressive as it is, microscopic single
20 cells or clusters of cells may actually
21 be seeded extremely early on in the
22 development of the tumor.

23 Q. If it were, in fact, in the liver
24 early on in terms of blood values, what
25 values would you look at to give you a

1 clue?

2 A. What blood values you would look
3 at to give you a clue that's in the
4 liver?

5 Q. Right.

6 A. The alkaline phosphatase might be
7 alleviated as an obstructive, but that is
8 much more tumor burden. The question
9 I've heard in the page that we're on for
10 the metaphor we've been using is
11 microscopic individual cells. You may
12 have them present with no changes
13 whatsoever. And that had been made and
14 not seed the liver, the seed --- the
15 cells may be broken off and circulates
16 and not implant.

17 Q. Just on an assumption, assume
18 that the tumor had been discovered and
19 safely resected, are you going to render
20 an opinion or do you have an opinion as
21 to whether or not Mrs. James would have
22 had a normal lifespan?

23 ATTORNEY GOLDWASSER:

24 Would that be resected
25 before it became metastatic?

1 ATTORNEY MALIK:

2 Right.

3 A. Seventy-nine (79) year olds
4 subjected to major abdominal surgery are
5 subject to any number of problems ranging
6 from pneumonia to pulmonary embolism.
7 And the need in a person of this age for
8 major surgery and resection probably
9 makes that question answerable by saying
10 it's unlikely that she would have had ---
11 I'm not sure what a normal lifespan is at
12 79, but she's otherwise doing fine, the
13 event of hospitalizing her and operating
14 on her may bring that to an abrupt
15 change.

16 SHORT BREAK TAKEN

17 BY ATTORNEY MALIK:

18 Q. Can a colonoscopy be performed
19 and biopsy samples be taken by
20 colonoscopy?

21 A. Yes.

22 Q. Based on your knowledge of this
23 patient with a history of previous
24 polyps, would you ---?

25 ATTORNEY GOLDWASSER:

1 History of polyp.

2 BY ATTORNEY MALIK:

3 Q. Polyp. Would you say that that
4 was within the standard of care to do
5 that?

6 A. No.

7 Q. And the basis of that?

8 A. Well depending on what point in
9 time, one might have done a colonoscopy
10 and a biopsy and had more pressure to do
11 it in 1986 and '87 and at that time and
12 it probably would have been recommended
13 annually. People relax the annual to
14 every three years after that period of
15 time.

16 And the fact of the matter is
17 that if you look at the actual yield, I
18 think the London Study had some 800 and
19 plus patients and the ones who had no
20 atypia in their polyp had only three or
21 four cancers ever detected through ten
22 years of follow-up. **So** you'd be putting
23 people through a significant amount of
24 potential morbidity in exchange for yield
25 and it might be noted in their study the

1 people that had absolutely no symptoms,
2 didn't have any further problems. So ---

3
4 Q. Given this cancer and the way
5 that it developed in Mrs. James, is there
6 any way to have detected it prior to
7 October of 1995?

8 A. Yes, I think a CT of the abdomen,
9 had there been an indication for it,
10 might have. He probably would have
11 observed mass effect. Same corollary
12 would be an MRI although those coils for
13 that region are less likely.

14 Q. And the symptoms that would
15 trigger a CT or an MRI would be bleeding?

16 A. Well, if she had obstruction and
17 bleeding --- if you're bleeding, you're
18 --- it's an important distinction here.
19 If you're actually bleeding, then you
20 have some --- in the colon by the way,
21 that's the second part of the sentence
22 but I think --- I didn't mean to swallow
23 that, understand each other.

24 That means that you've got
25 something on the mucosa and imparting

1 blood to the stool if the blood is
2 imparted to the stool. So you're more
3 likely to go up and see that. But if
4 you're not imparting blood to the stool,
5 the likelihood that you've got a mucosal
6 change is much less.

7 Ann Kilbain's case is an example,
8 the one that was in Cleveland. It was
9 two things. There was repeated blood on
10 the stool and the second thing, if I
11 remember it correctly, was the person was
12 anemic. And that just said that is a
13 bleeding that requires evaluation. We
14 don't seem to have that here.

15 Q. Based on this case, though, and
16 what you know about this patient, given
17 the CT and the MRI, when could it have
18 been detected?

19 A. I think --- I think a CT might
20 have detected a mass three or four months
21 earlier.

22 Q. At that point, could it have been
23 successfully resected?

24 A. No.

25 Q. At any point, could this have

1 been successfully resected?

2 A. You have to know --- I mean, you
3 have to have something that leads you to
4 where you can do the resection. I mean,
5 you could carry this all the way back and
6 if you said, if you had done a colon ---
7 colectomy at the time of the first polyp,
8 you would have prevented this colon
9 cancer. But that's reductio ad absurdum.
10 And that would be a different set of
11 circumstances today, probably
12 precipitates your presence from the other
13 viewpoint.

14 Q. So basically what you're telling
15 me, at least what I hear you telling me
16 is this developed in such a fashion as to
17 be insidious and untreatable really.

18 A. Well, it's insidious and I think
19 the insidious quality is not treatable.
20 If you **look** at the impact of
21 colonoscopies, the actual reduction in
22 observed advanced colon cancer is like
23 only six percent of the total number, and
24 that's in screened populations.

25 You know, this is not an economic

1 issue and I'm not going to look at it as
2 one, but I don't want a colonoscopy
3 unless there's a real clear-cut, high
4 risk or symptoms that I'm presented with,
5 because the procedure itself has a real
6 risk of morbidity. And if I'm 79 and
7 have diverticulitis, the chances of a
8 problem increase even greater.

9 Q. Okay. But what I hear you
10 telling me is that you're saying to me,
11 David, this was that kind of cancer which
12 couldn't be detected early enough to do
13 anything about.

14 A. No. This is a cancer that
15 presented with a series of circumstances
16 that that's the case for. And I don't
17 think that the manifestations were there
18 that would lead one to recognizing it in
19 the time that any intervention would have
20 made any difference. You know, that's
21 probably not so different than what you
22 just said. But what is different about
23 it is, it's the individual set of
24 circumstances that we're faced with here.

25 Q. And those being different

1 symptoms?

2 A. Well, the appearance and the
3 pattern in which this grew.

4 Q. Would left lower quadrant pain be
5 a symptom of this tumor?

6 A. It could.

7 Q. Would left lower quadrant pain
8 have warranted a colonoscopy?

9 A. If persistent.

10 Q. Okay. When you talk about the
11 patient being anemic, how anemic are we
12 talking? Are we talking slightly anemic
13 or to moderate?

14 A. Well, the best measure of an
15 anemia is a comparison to what your
16 baseline hemoglobins have been. You
17 know, I pay attention to, I don't always
18 find an answer for, why people are two
19 grams below what they were five years
20 ago. I certainly pay attention if
21 they're four or five grams. That's, you
22 know, eyes wide open, what's going on.
23 You don't always get an answer, but it
24 would bear an investigation.

25 Q. Prior to, let's say, May of 1995,

1 assume this patient was anemic ---.

2 ATTORNEY GOLDWASSER:

3 Do you have evidence of
4 that? I don't know whether I
5 should object or whether that's a
6 fact in evidence. In October of
7 '94 her hemoglobin was 15.7.

8 ATTORNEY MALIK:

9 Well, you can object to
10 it. I can't seem to find it. I
11 thought I saw somewhere in the
12 records where she was slightly
13 anemic. So why don't you object
14 to it and we'll go from there.

15 ATTORNEY GOLDWASSER:

16 Okay. Go ahead.

17 BY ATTORNEY MALIK:

18 Q. Assume that the patient was
19 anemic prior to October of '95, would
20 that in and of itself have warranted a
21 colonoscopy?

22 A. The anemia represents a change
23 from previous measures, ---

24 Q. Right.

25 A. --- the answer is, I would

1 evaluate that anemia, yes.

2 Q. Would a CAT Scan or MRI be
3 warranted?

4 A. If the anemia was significant and
5 I had evidence to suggest it was GI
6 tract, yes. If it was an intra-abdominal
7 bleed, you would be in a lot more
8 trouble. I don't think MRI or CAT Scan
9 would have been how I would approach it.

10 Q. So it was a GI bleed.

11 A. I mean, you're going to end up
12 with an anemia that's either an anemia
13 due to metabolic disorders or anemia due
14 to hematologic disorders or anemia due to
15 bleeding.

16 ATTORNEY GOLDWASSER:

17 This is an aside. Her
18 hemoglobin was 16 just the month
19 before the diagnosis.

20 A. Now, that would be consistent
21 with the histology on the slide which you
22 don't have mucosal --- you don't have a
23 mucosal pattern that's likely to have
24 bled. I'm not sure I had that hemoglobin
25 in the records.

1 ATTORNEY GOLDWASSER:

2 You don't have that.

3 That's different records.

4 ATTORNEY MALIK:

5 Can I see it?

6 ATTORNEY GOLDWASSER:

7 Sure.

8 ATTORNEY MALIK:

9 Can you show me what
10 you're looking at? Are you on
11 September of '95?

12 ATTORNEY GOLDWASSER:

13 September 11, 1995.

14 ATTORNEY MALIK:

15 No, I have it.

16 ATTORNEY GOLDWASSER:

17 Do you have it?

18 Hemoglobin --- bottom half ---
19 bottom part of the page.

20 ATTORNEY MALIK:

21 Okay. I think we're just
22 about done.

23 BY ATTORNEY MALIK:

24 Q. Just let me go back and ask you
25 just one or two questions and then I'm

1 finished.

2 I know I asked you about pain in
3 the left lower quadrant, but I see in my
4 notes that the note on April 25th of '94
5 indicated that it existed for several
6 months. In your opinion, would that have
7 anything to do with this tumor that was
8 ultimately found?

9 A. It's possible it might have.

10 Q. Okay. So when you have that for
11 several months, and you have the pinkish
12 blood on the toilet paper, you have a
13 history of a polyp, would an MRI or a CT
14 Scan be warranted?

15 A. The polyp was in '85. And you go
16 back to --- well, the simple answer is
17 probably not. No change in the stool, no
18 evidence of blood in the stool, hemacult
19 would have been warranted.

20 ATTORNEY GOLDWASSER:

21 No weight loss seen at
22 the time.

23 A.. Weight loss is an ephemeral thing
24 to many of us. Probably not.

25 BY ATTORNEY MALIK:

1 Q. So it would not have been within
2 the standard of care to have done an MRI
3 or a CAT Scan?

4 ATTORNEY GOLDWASSER:

5 Outside of the thermalcy
6 (phonetic) or not? I mean,
7 that's a wide range. Would it
8 have been within the standard of
9 care?

10 A. Oh, it would have been reasonable
11 to do one.

12 ATTORNEY GOLDWASSER:

13 The question really want

14 ---

15 A. It wouldn't have been wrong not
16 to.

17 BY ATTORNEY MALIK:

18 Q. Then your answer is no.

19 A. Depending on which question I'm
20 answering.

21 Q. That it would be reasonable not
22 to do one. That would be okay.

23

24

25

1 an MRI is what I would be wanting to say.
2 You got a double negative ---.

3 Q. And it's not a breach of the
4 standard of care to have not done an MRI,
5 that's what you're saying?

6 A. I think I would have evaluated
7 more on terms of whether there was occult
8 blood. But the answer to your direct
9 question is, it would not have been a
10 breach, no.

11 Q. Would the failure to have
12 examined for occult blood at the time of
13 the reporting of the left lower quadrant
14 may have been a breach?

15 A. That's a little more difficult.
16 I think that you really --- I think the
17 thought to examine for occult blood, I
18 think it would have been reasonable to do
19 so. I need to see the record. Was there
20 anything besides the left lower quadrant
21 pain that was in --- I don't think so.
22 And I thought that was what was in the
23 background here. We're in April of '94?

24 Q. No. We're right ---.

25 A. April of '95?

1 Q. No. We're in April of '94.

2 A. Yes. In April of '94, we do a
3 flex sig.

4 Q. We have complaints of pain in
5 left lower quadrant times several ---.

6 A. Months, probably. M-O-S.

7 Q. Then we have pinkish smear.

8 A. She gets a pelvic ultrasound,
9 which is appropriate. It's negative.
10 The main concerns really regarding ovary
11 and uterus are probably higher on your
12 list, but that's negative.

13 Q. You wouldn't expect that pelvic
14 ultrasound to show any impairment to the
15 liver; would you?

16 A. No. I was thinking the pelvic
17 ultrasound for uterine or ovarian cancer.

18 Q. And then you feel all of the
19 testing was appropriate as of April 25th
20 of '94?

21 A. I didn't hear what you asked.

22 Q. That the failure to do an MRI or
23 a CT Scan at that point was not a breach
24 of the standard of care?

25 A. That's correct.

1 ATTORNEY MALIK:

2 I don't have anything
3 else.

4 BY ATTORNEY MALIK:

5 Q. Oh, one other thing. What is the
6 formal name of the cancer that she had?

7 A. I would refer to it as an adenoma
a carcinoma and colon primary.

9

10 * * * * *

11 DEPOSITION CONCLUDED AT 4:00 P.M.

12 * * * * *

13

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1 COMMONWEALTH OF PENNSYLVANIA :
2 : SS
3 COUNTY OF VENANGO

4 C E R T I F I C A T E

5 I, Jacqueline L. Hazlett, Notary Public in and for the State of
6 Pennsylvania, do hereby certify:

7 That the witness was hereby first duly sworn to testify to the truth, the
8 whole truth, and nothing but the truth; that the foregoing deposition was taken
9 at the time and place stated herein; and that the said deposition was taken in
10 Stenotype by me and reduced to typewriting, and constitutes a true and correct
11 record of the testimony given by the witness.
12

13 I further certify that the reading and signing of said deposition
14 were ~~(not)~~ waived by counsel for the respective parties and by the witness.

15 I further certify that I am not a relative, employee or attorney of any of
16 the parties, nor a relative or employee of counsel, and that I am in no way
17 interested directly or indirectly in this action.
18

19 IN WITNESS WHEREOF, I have hereunto set my hand and stamp this

20 5 day of Aug, 98
21

22 Jacqueline L. Hazlett
23

24 **NOTARIAL SEAL**
Jacqueline L. Hazlett, Notary Public
Oil City, Venango County, PA
My Commission Expires Nov. 29, 1999
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