

COMMON PLEAS COURT

MONTGOMERY COUNTY

STATE OF OHIO

- - -

EDWARD L. WATKINS,  
INDIVIDUALLY AND AS THE  
ADMINISTRATOR **OF** THE ESTATE :  
OF DOROTHY A. WATKINS,  
DECEASED,

PLAINTIFF, :

VS .

CASE NO. 91-5239

RICHARD G. SCHARRER, M.D., :  
ET AL., :

DEFENDANTS.

- - -

DEPOSITION OF

STEPHEN J. DEVOE, M.D.

FEBRUARY 10, 1994

- - -

E & A REPORTING SERVICE, INC.  
915 SOUTH FRONT STREET  
COLUMBUS, OHIO 43206  
(614) 445-6300

- - -

DEPOSITION OF STEPHEN J. DEVOE, M.D., AN  
 EXPERT WITNESS CALLED BY THE PLAINTIFF AS IF UPON  
 CROSS-EXAMINATION, TAKEN BEFORE ME, DENISE SHOEMAKER,  
 A REGISTERED PROFESSIONAL REPORTER AND NOTARY PUBLIC  
 WITHIN AND FOR THE STATE OF OHIO, AT THE OFFICES OF  
 THE DEPONENT, 3555 OLENTANGY RIVER ROAD, COLUMBUS,  
 OHIO, COMMENCING AT 4:10 P.M., SAID DEPOSITION TAKEN  
 PURSUANT TO THE STIPULATIONS HEREINAFTER SET FORTH.

- - -

APPEARANCES:

DAVID B. SHAVER, ESQ., OF THE LAW FIRM OF  
 WOLSKE & BLUE, 580 SOUTH HIGH STREET, COLUMBUS, OHIO  
 43215, APPEARING ON BEHALF OF THE PLAINTIFF.

PATRICK K. ADKINSON, **ESQ.**, OF THE LAW  
 FIRM OF JACOBSON, MAYNARD, TUSCHMAN & KALUR, SUITE  
 900, ONE CITIZENS FEDERAL CENTRE, DAYTON, OHIO 45402,  
 APPEARING ON BEHALF OF THE DEFENDANTS.

- - -

PLAINTIFF'S EXHIBITS

DESCRIPTION

MARKED

1) DIAGRAM OF THE PERITONEUM

17

2) GREATER OMENTUM AND ABDOMINAL VISCERA

17

- - -

STIPULATIONS

IT IS AGREED AND STIPULATED BY AND BETWEEN COUNSEL FOR THE RESPECTIVE PARTIES HEREIN THAT THIS DEPOSITION MAY BE TAKEN IN SHORTHAND BY DENISE SHOEMAKER, WHO MAY LATER, OUT OF THE PRESENCE OF THE WITNESS, TRANSCRIBE OR CAUSE SAID SHORTHAND NOTES TO BE TRANSCRIBED; THAT THE FORMALITIES AS TO THE TIME AND PLACE OF THE TAKING OF THE DEPOSITION ARE PURSUANT TO AGREEMENT; AND THAT THE QUALIFICATIONS OF THE OFFICER BEFORE WHOM TAKEN AND THE READING OF THE TRANSCRIPT BY THE DEPONENT SHALL BE EXPRESSLY WAIVED.

- - -

1           1           THEREUPON,

2                               STEPHEN J. DEVOE, M.D.

3                               BEING BY ME FIRST DULY SWORN,

4                               AS HEREINAFTER CERTIFIED,

5                               TESTIFIES AS FOLLOWS:

6                                       CROSS-EXAMINATION

7           BY MR. SHAVER:

8                               Q           COULD YOU, DR. DEVOE, STATE YOUR FULL  
9                               NAME.

10                              A           STEPHEN JOHN DEVOE.

11                              Q           AND YOUR PROFESSIONAL ADDRESS IS HERE AT  
12                              3555 OLENTANGY RIVER ROAD?

13                              A           THAT'S CORRECT.

14                              Q           YOU'RE A MEDICAL DOCTOR, OF COURSE.

15                              A           THAT'S CORRECT.

16                              Q           AND YOU PRACTICE OB-GYN?

17                              A           THAT'S CORRECT.

18                              Q           CAN YOU TELL ME A LITTLE BIT ABOUT YOUR  
19                              PRACTICE. DO YOU CONSIDER YOURSELF A GENERALIST?

20                              A           I'M A GENERALIST, BUT I DO KIND OF  
21                              EMPHASIZE HIGH-RISK OBSTETRICS. I DID A FELLOWSHIP IN  
22                              HIGH-RISK OBSTETRICS. IN THE LAST FEW YEARS THE  
23                              PENDULUM HAS SWUNG TOWARD HOSPITAL-BASE, HIGH-RISK  
24                              PEOPLE. SO MY PRACTICE IS BASICALLY A GENERAL

1 PRACTICE IN OBSTETRICS AND GYNECOLOGY, MAYBE A LITTLE  
2 MORE HIGH-RISK STUFF THAN MOST PEOPLE ARE WILLING TO  
3 BITE OFF.

4 Q ARE YOU A PERINATOLOGIST?

5 A THAT'S THE SAME THING.

6 Q SO YOU'RE BOARD CERTIFIED IN BOTH O.B.  
7 AND MATERNAL-FETAL MEDICINE?

8 A I NEVER TOOK THE BOARD IN PERINATOLOGY.  
9 I PASSED THE WRITTEN THE ONLY TIME I TOOK IT, BUT I  
10 NEVER DID THE RESEARCH TO QUALIFY FOR THE ORAL, SO I  
11 NEVER TOOK THE ORAL. ABOUT 20 PERCENT OF THE PEOPLE  
12 WHO HAVE FELLOWSHIPS ARE IN THAT BOAT, DIDN'T TAKE THE  
13 ORAL.

14 Q DID YOU BRING A COPY OF YOUR C.V.?

15 A NO, I DIDN'T.

16 MR. ADKINSON: I FORGOT TO ASK HIM.

17 BY MR. SHAVER:

18 Q THAT'S OKAY. DOCTOR, I TAKE IT SINCE THE  
19 LAST TIME I HAVE DEPOSED YOU, YOU HAVEN'T HAD YOUR  
20 LICENSE REVOKED OR SUSPENDED OR ANYTHING NASTY.

21 A THAT'S CORRECT.

22 Q AND THE SAME IS TRUE WITH YOUR HOSPITAL  
23 PRIVILEGES?

24 A THAT'S CORRECT.

1 Q DO YOU HAVE ANY PUBLICATIONS THAT ARE  
2 PERTINENT TO THIS PARTICULAR CASE?

3 A NO.

4 Q YOU DO, I IMAGINE, YOU DO LAPAROSCOPIC  
5 SURGERY.

6 A YES.

7 Q AND FOR THE LYSIS OF ADHESIONS SUCH AS IN  
8 THIS CASE?

9 A THAT'S CORRECT.

10 Q COULD YOU TELL ME A LITTLE BIT ABOUT YOUR  
11 ANNUAL EXPERIENCE WITH THAT TYPE OF SURGERY.!

12 A ALL LAPAROSCOPIES, I PROBABLY DO 75 TO  
13 100 A YEAR. A LOT OF THEM ARE FOR TUBAL  
14 STERILIZATION. MAJORITY ARE FOR THAT. SMALLER PART  
15 WOULD BE FOR PAIN AND FERTILITY, THIS KIND OF THING,  
16 PELVISCOPIC SURGERY.

17 Q IS THAT TYPICAL OF WHAT MOST OB-GYN'S  
18 WOULD BE DOING?

19 A I REALLY CAN'T SPEAK FOR THEM. I DON'T  
20 KNOW. I DON'T HAVE ANY ACCESS TO THAT.

21 Q THE TUBALS OR FERTILITY PROBLEMS, THE  
22 TECHNIQUE, AS FAR AS WHAT IS CONCERNED IN THIS CASE,  
23 IS THE SAME, IT'S NOT LIKE WE'RE DEALING WITH A  
24 DIFFERENT TECHNIQUE OR ANYTHING LIKE THAT?

1           A        THAT'S CORRECT.

2           Q        I WILL SAVE SOME WRAP-UP QUESTIONS ABOUT  
3 YOUR EXPERIENCE, MEDICAL-LEGAL MATTERS AND STUFF UNTIL  
4 THE END. WHY DON'T WE JUMP RIGHT TO THE HEART OF THE  
5 MATTER AND THAT'S THIS CASE.

6                    HOW DID YOU HAPPEN TO BE CONTACTED IN  
7 THIS CASE?

8           A        I GOT A PHONE CALL, ACTUALLY A  
9 CONVERSATION AND THEN A FOLLOW-UP LETTER ABOUT THIS  
10 CASE FROM GREG GIBSON, WHO IS AN ATTORNEY IN DAYTON.

11           Q        I IMAGINE HE TOLD YOU A LITTLE @IT ABOUT  
12 THE CASE.

13           A        RIGHT.

14           Q        DID HE SEND YOU ANY WRITTEN MATERIALS  
15 ABOUT THE CASE?

16           A        HE DID IN FOLLOW-UP AFTER THE  
17 CONVERSATION A COUPLE MONTHS LATER SENT ME SOME  
18 MATERIALS.

19           Q        WERE THE MATERIALS ACCOMPANIED BY ANY  
20 CORRESPONDENCE?

21           A        BOILERPLATE, FOLLOW UP ON OUR  
22 CONVERSATION, HERE'S THE STUFF, CALL ME WHEN YOU LOOK  
23 THROUGH IT.

24           Q        NOTHING SPECIFIC ABOUT THE CASE?

1           1           A           CAPSULE SUMMARY.

2           Q           NOTHING YOU WOULD RELY ON?

3           A           EXACTLY. READ IT AND THROW IT AWAY.

4           Q           THAT'S TRUE FOR MOST PHYSICIANS, THEY GET  
5 GIBBERISH FROM ATTORNEYS, THEY DON'T PAY ANY ATTENTION  
6 TO IT AND JUST DO THEIR OWN REVIEWS.

7           A           ABSOLUTELY.

8           Q           I IMAGINE YOU LOOKED AT THE MEDICAL  
9 RECORDS. COULD YOU TELL ME WHAT MEDICAL RECORDS YOU  
10 LOOKED AT.

11           A           SURE. I LOOKED AT THE RECORD FOR THE  
12 HOSPITAL ADMISSION ON 3-13, 3-14-91, THE HOSPITAL  
13 ADMISSION THAT BEGAN ON 3-15-91. I LOOKED AT THE  
14 AUTOPSY RECORDS ON THE DECEASED. I LOOKED AT THE  
15 OFFICE RECORDS FROM DR. SCHARRER, DR. KRAUS, DR.  
16 PETERS, SOME CORRESPONDENCE FROM DR. O'HARA.  
17 DEPOSITIONS FROM CORSON, THE PATIENT'S HUSBAND AND DR.  
18 SCHARRER. A SUMMARY, I BRIEFLY LOOKED AT A SUMMARY OF  
19 THE DEPOSITION FROM MR. SCHARRER -- CORRECTION, MR. !  
20 WATKINS. I THINK THAT COVERS IT.

21           Q           BUT YOU DID HAVE A CHANCE TO LOOK AT THE  
22 DEPOSITION OF THE HUSBAND HIMSELF?

23           A           VERY BRIEFLY.

24           Q           WHAT WAS YOUR UNDERSTANDING F THE

1           1           SIGNIFICANT MEDICAL HISTORY THAT BROUGHT THIS WOMAN TO  
2           2           DR. SCHARRER?

3           A           SHE HAD CHRONIC RECURRENT SEVERE PELVIC  
4           4           PAIN. SHE HAD A HYSTERECTOMY IN 1974. SHE HAD  
5           5           RECURRENCE OF HER PAIN IN THE LATE EIGHTIES, HAD A  
6           6           LAPAROSCOPY IN 1988 FOR PAIN, SUBSEQUENT LAPAROTOMY IN  
7           7           1989 FOR PAIN, AT WHICH TIME ENDOMETRIOSIS WAS  
8           8           DIAGNOSED AND CONFIRMED PATHOLOGICALLY WITH TISSUE  
9           9           TAKEN FROM THE PERITONEAL CAVITY. SHE HAD EXTENSIVE  
10          10          ADHESIONS NOTED AT THAT TIME.

11                    AFTER THAT TIME SHE INTERMITTENTLY HAD  
12          12          PAIN. SHE HAD A G.I. EVALUATION IN SEPTEMBER OF '90,  
13          13          AND THEN A UROLOGIC EVALUATION THE SUMMER, MAYBE EARLY  
14          14          WINTER OF '91, IVP URINALYSIS, THAT SORT OF THING.  
15          15          SEVERAL PELVIC EXAMS. SEVERAL VISITS WITH DR.  
16          16          SCHARRER. SEVERAL VISITS TO HER FAMILY PHYSICIAN FOR  
17          17          DEMEROL SHOTS AND OTHER THINGS.

18                    Q          YOU WERE AWARE ALSO PROBABLY THAT SHE HAD  
19          19          HAD AN APPENDECTOMY IN THE PAST?

20                    A          I KNOW SHE HAD HER GALLBLADDER OUT IN  
21          21          '66. I DON'T KNOW ABOUT THE APPENDECTOMY.

22                    Q          DO YOU RECALL WHAT TYPE, FOR THE  
23          23          LAPAROTOMY, WHAT TYPE OF INCISION THAT SHE HAD?

24                    A          SHE HAD A PFANNENSTIEL INCISION FOR THE

2 1 PELVIC LAP AND A VERTICAL MIDLINE FOR THE GALLBLADDER.

2 Q WAS THE PFANNENSTIEL OVER THE OLD  
3 PFANNENSTIEL FOR THE HYSTERECTOMY?

4 A THAT'S MY UNDERSTANDING.

5 Q YOU ACTUALLY WERE ABLE TO SEE THE  
6 LAPAROSCOPY REPORT FROM '88 AND THE LAPAROTOMY REP RT  
7 FROM 1989?

8 A RIGHT.

9 Q I TAKE IT YOU DIDN'T HAVE A CHANCE TO  
10 CONVERSE WITH THE SURGEON, DR. WATSON.

11 A THAT'S CORRECT. 1/6

12 Q DID ANYTHING STRIKE YOU ABOUT THE  
13 LAPAROSCOPY OF 1988? YOU CAN GO AHEAD AND TAKE A  
14 LOOK.

15 A NOTHING OFF THE TOP OF MY HEAD. I HATE  
16 TO SAY THAT IF I'M MISSING SOMETHING IMPORTANT. SHE  
17 HAD ADHESIONS, WHICH PEOPLE DO AFTER SURGERY.

18 Q THAT'S NOT UNEXPECTED?

19 A RIGHT. !

20 Q OKAY.

21 A I SCANNED THE OP NOTE FROM THE  
22 LAPAROSCOPY OF AUGUST OF '88.

23 Q DOES ANYTHING STRIKE YOU AS UNUSUAL?

24 A I DON'T THINK SO.

2 1 Q THEN IN 1989 SHE HAD A LAPAROTOMY?

2 A CORRECT.

3 Q COULD YOU TURN TO THAT OPERATIVE REPORT,  
4 THE OPERATIVE REPORT FOR 1989. LET'S START WITH A  
5 DISCUSSION OF THE APPROACH. THE PFANNENSTIEL  
6 INCISION, IS THAT THE USUAL INCISION FOR A LAPAROTOMY?

7 A YES. ESPECIALLY WHEN SOMEONE HAS THE  
8 SAME INCISION FROM A PREVIOUS SURGERY. YOU TEND NOT  
9 TO PUT TWO SCARS IN THE BELLY IF YOU CAN AVOID IT.  
10 THAT'S VERY STANDARD.

11 Q SO YOUR ASSUMPTION IS HE WENT THROUGH  
12 THAT INCISION SIMPLY BECAUSE THAT INCISION ALREADY  
13 EXISTED?

14 A WELL, I THINK IT'S A STANDARD GYNECOLOGIC  
15 INCISION FOR BENIGN DISEASE.

16 Q YOU MENTIONED THAT ONE OF THE  
17 CONSEQUENCES OF ANY ABDOMINAL SURGERY WOULD BE THE  
18 DEVELOPMENT OF ADHESIONS.

19 A THAT'S CORRECT.

20 Q DOES ANYONE QUITE UNDERSTAND WHY  
21 ADHESIONS DEVELOP?

22 A THERE ARE ALL KINDS OF THEORIES. IT'S  
23 MORE THEORY THAN ACTUAL FACT ABOUT WHY THEY DEVELOP,  
24 WHY SOME PEOPLE GET MORE OF THEM THAN OTHERS, WHY SOME

2  
1 PEOPLE HAVE SYMPTOMS AND BOWEL OBSTRUCTIONS FROM THEM  
2 AND SOME SEEM TO FORM A GREAT EXUBERANCE AND SOME OF  
3 THE OTHER PEOPLE HAVE NONE OF THE ABOVE.

4 Q DO THEY TEND TO BE SITE SPECIFIC, IN  
5 OTHER WORDS, IF SOMEBODY HAS AN ADHESION AT ONE SPOT,  
6 WILL THEY TEND TO GROW ADHESIONS AT THE SAME SPOT?

7 A THEY TEND TO GROW ADHESIONS WHERE THE  
8 SURGERY IS DONE RATHER THAN SPECIFIC SITES WITHIN THE  
9 ABDOMEN, FOR EXAMPLE. ONCE THEY ARE FORMED, THEY DO  
10 TEND TO RECUR AT THAT SPOT, BUT IT'S NOT PARTICULARLY  
11 HARD AND FAST. THEY ALSO WILL OCCUR AT OTHER AREAS  
12 THAT ARE SUPPOSEDLY NOT TRAUMATIZED IN THE SURGERY.  
13 SO YOU CAN'T ALWAYS SAY I KNOW WHERE THE ADHESIONS ARE  
14 GOING TO BE BECAUSE I KNOW WHAT WAS DONE AND I KNOW  
15 WHERE THE INCISION WAS DONE. THEY ARE UNPREDICTABLE,  
16 IN OTHER WORDS.

17 Q BUT IT IS SOMETHING THAT'S RELATIVELY  
18 WELL-KNOWN THAT ONE OF THE PROBLEMS WHEN YOU CUT DOWN  
19 SOME ADHESIONS, THEY ARE LIKELY TO GROW BACK IN THE  
20 SAME SPOT?

21 A THAT'S CORRECT.

22 Q NOW, THERE ARE SEVERAL TERMS USED -- LET  
23 ME FIND MY COPY OF THE OPERATIVE REPORT. DID THIS  
24 WOMAN HAVE PERMANENT RELIEF OF SYMPTOMS FROM THE

2 1 SURGERY IN 1988?

2 A NO.

3 Q DID SHE HAVE PERMANENT RELIEF OF SYMPTOMS  
4 FROM THE SURGERY IN 1989?

5 A NO.

6 Q IS THAT A PROBLEM WITH ADHESIONS?

7 A THAT'S WHAT I WAS ALLUDING TO A FEW  
8 MINUTES AGO. ADHESIONS AND THE SYMPTOMS THEY CAUSE  
9 ARE VERY, VERY UNPREDICTABLE.

10 Q DO YOU HAVE ANY OPINION, GOING INTO THE  
11 THIRD SURGERY, AS TO THE PERCENTAGE OF CHANCE OF  
12 SUCCESS FOR PERMANENT ALLEVIATION OF THIS WOMAN'S PAIN  
13 GIVEN THE PAST HISTORY OF THE PAST TWO SURGERIES?

14 A FIFTY PERCENT PROBABLY.

15 Q IS THAT BASED ON ANY STUDY OR JUST YOUR  
16 OWN PERSONAL EXPERIENCE?

17 A IMPRESSION. ADHESION WORK IS HIGHLY  
18 VARIABLE AND THE RESULTS ARE HIGHLY VARIABLE. THAT'S  
19 JUST -- THERE ISN'T GOOD DATA OUT THERE.

20 Q THERE WERE SOME TERMS USED IN THE SURGERY  
21 OF 1988 -- 1989 THAT YOU CAN PERHAPS HELP ME WITH. HE  
22 TALKS ABOUT --

23 MR. ADKINSON: YOU ARE IN '89?

24 BY MR. SHAVER:

2 1 Q THE '89 SURGERY. ADHESIONS INVOLVING THE  
2 RECTOSIGMOID TO THE CUL-DE-SAC. WHAT IS THE  
3 CUL-DE-SAC?

4 A THE CUL-DE-SAC IS A POUCH BEHIND THE  
5 UTERUS IN MIDLINE, KIND OF AT THE BOTTOM OF THE  
6 ABDOMINAL CAVITY.

7 Q IS WHAT HE IS SAYING IS THE SIGMOID,  
8 RECTOSIGMOID COLON, A PORTION OF THE COLON IS ATTACHED  
9 TO THE CUL-DE-SAC?

10 A YES. THE COLON RUNS THROUGH THE PELVIS  
11 AND EXITS. IT OBVIOUSLY CONNECTS TO THE ANAL OPENING  
12 AT THE BOTTOM OF THAT AREA CLOSE TO THAT AREA DIRECTLY  
13 BEHIND THE CUL-DE-SAC, AND APPARENTLY THERE WERE  
14 ADHESIONS OF THAT AREA OF THE COLON TO THE CUL-DE-SAC  
15 TISSUE ITSELF.

16 Q THEN HE TALKED ABOUT THE OMENTUM BEING  
17 ADHERED TO THE ANTERIOR ABDOMINAL WALL. I THINK I  
18 UNDERSTAND ANTERIOR ABDOMINAL WALL. THAT'S THE TOP OF  
19 THE STOMACH?

20 A THE FRONT. THE WHOLE THING FROM THE  
21 PUBIC BONE TO THE RIB CAGE IS THE ANTERIOR ABDOMINAL  
22 WALL.

23 Q WHAT IS THE OMENTUM?

24 A THE OMENTUM IS A FATTY APRON-LIKE

3  
1 STRUCTURE THAT HANGS OFF THE ANTERIOR CURVE OF THE  
2 STOMACH AND THE TRANSVERSE COLON, AND IT MAY BE REAL  
3 SMALL OR REAL LARGE DEPENDING ON THE INDIVIDUAL  
4 VARIATION AND FREQUENTLY IS INVOLVED IN ADHESIONS.

5 Q IS THE OMENTUM ATTACHED TO ANY INTERNAL  
6 STRUCTURES?

7 A I JUST MENTIONED THEM.

8 Q IT'S ATTACHED TO THE COLON AND TO THE  
9 STOMACH?

10 A RIGHT.

11 Q I BROUGHT ALONG A COUPLE PICTURES. IF  
12 YOU CAN BE KIND ENOUGH TO --

13 A IF THIS IS AN ANATOMY QUIZ, I MIGHT NOT  
14 DO SO WELL.

15 Q THIS IS OUT OF DORLAND'S, SO IT'S NOT THE  
16 BEST PICTURE. WOULD THAT BE A FAIRLY ACCURATE DRAWING  
17 OF THE ANATOMY?

18 A YES.

19 Q AND WHERE IT'S MARKED "OMENTUM," THAT IS  
20 WHERE THE OMENTUM WOULD LAY?

21 A YES. IN A PATIENT STANDING, IT WOULD  
22 HANG DOWN LIKE THIS. IT'S HIGHLY VARIABLE IN SIZE.  
23 I'VE SEEN SOME PEOPLE THEIR OMENTUM IS ONLY TWO OR  
24 THREE INCHES, OTHERS IT WILL COME ALL THE WAY DOWN

3 1 BELOW WHERE THIS ILLUSTRATION HAS IT.

2 - - -

3 THEREUPON, PLAINTIFF'S EXHIBITS

4 NOS. 1 AND 2 WERE MARKED FOR

5 THE PURPOSE OF IDENTIFICATION.

6 - - -

7 BY MR. SHAVER:

8 Q THAT IS ALSO, OF COURSE, JUST A DRAWING  
9 OF THE OMENTUM AND OTHER STRUCTURES IN THERE.

10 A YES.

11 Q SO TELL ME, JUST SORT OF IN LAYMAN'S  
12 TERMS, WHEN DR. WATSON IS DESCRIBING THE OMENTUM BEING  
13 ADHERED TO THE ABDOMINAL WALL, WHAT DOES HE MEAN?

14 A WELL, AGAIN, I'M INFERRING WHAT HE MEANS.

15 Q SURE.

16 A WHAT I THINK HE MEANS IS THAT THE OMENTUM  
17 WAS STUCK TO THE AREA WHERE THE GALLBLADDER INCISION  
18 WAS MADE IN THE UPPER ABDOMEN FROM THE 1966 OPERATION.

19 Q WHY DO YOU SAY THERE, JUST BECAUSE THAT'S  
20 WHERE THE GALLBLADDER --

21 A THAT'S THE MOST LIKELY SPOT GIVEN WHERE  
22 THE OMENTUM ORIGINATES AND THE FACT THAT HER ONLY  
23 OTHER INCISION IS DOWN LOW, THE PFANNENSTIEL  
24 SUPRAPUBIC INCISION.

3 1 Q COULD HE ALSO MEAN THE OMENTUM WAS  
2 ENTIRELY STUCK UP TO THE WALL?

3 A THE WALL WHERE?

4 Q THE ANTERIOR ABDOMINAL WALL.

5 A IT'S THE WALL EITHER WAY. IT'S STUCK TO  
6 THE WALL EITHER WAY. EITHER DOWN LOW OR WHERE I'M  
7 SAYING IT IS.

8 Q OR JUST IN MORE SPOTS THAN ONE, IT COULD  
9 BE STRUCK IN MULTIPLE LOCATIONS?

10 A YES. BUT I THINK IF IT WERE STUCK DOWN  
11 LOW, HE WOULD SAY THAT IN MORE DETAIL. HE DESCRIBES  
12 THE PELVIC ADHESIONS FAIRLY EXTENSIVELY. I THINK IF  
13 THE OMENTUM WAS PART OF IT, HE WOULD MENTION IT WAS  
14 STUCK DOWN THERE, ALTHOUGH I DON'T KNOW THAT.

15 Q THEN HE DESCRIBED A DENSE ADHESIVE WHITE  
16 BAND RUNNING FROM THE COLON TO THE PELVIC SIDE WALL.  
17 DO YOU KNOW WHAT HE MEANS BY A DENSE ADHESIVE WHITE  
18 BAND OR IS THAT JUST --

19 A IT'S NOT A SPECIFIC TERM. IT'S JUST HIS  
20 DESCRIPTIVE TERM.

21 Q DR. WATSON OBVIOUSLY PERFORMED A  
22 LAPAROSCOPY IN '88. DO YOU HAVE ANY IDEA WHY HE  
23 PERFORMED A LAPAROTOMY IN 1989 RATHER THAN A  
24 LAPAROSCOPY?

1           A       WELL, SHE'S ACUTELY WORSE. SHE HAS  
2 LONG-STANDING PELVIC PAIN AND HE FELT THE PAIN HAD  
3 EXACERBATED ENOUGH THAT HE WANTED TO ATTEMPT TO REDUCE  
4 THESE ADHESIONS AND GET RID OF THEM. THE PRE-OP  
5 DIAGNOSIS WAS ACUTE PELVIC PAIN.

6           Q       I IMAGINE DR. WATSON WOULD BE A PRETTY  
7 GOOD PERSON TO KNOW WHAT HER INSIDES LOOKED LIKE.

8           A       THAT'S A STATEMENT.

9           Q       IT'S A QUESTION.

10          A       IT SOUNDED LIKE A STATEMENT TO ME.

11          Q       WOULD YOU AGREE WITH THE STATEMENT?

12          A       I WOULD SAY ANYBODY WHO WAS THERE WHO WAS  
13 DESCRIBING THIS HAD A PRETTY GOOD IDEA WHAT THEY  
14 LOOKED LIKE.

15          Q       DO YOU HAVE ANY EVIDENCE THAT DR.  
16 SCHARRER MADE ANY ATTEMPT TO CONTACT DR. WATSON BEFORE  
17 PERFORMING HIS SURGERY?

18          A       I THINK HE HAD THESE RECORDS FROM BEFORE  
19 THAT. THEY'RE IN HIS OFFICE CHART.

20          Q       HAVE YOU EVER CONTACTED A SURGEON  
21 BEFOREHAND TO ASK THEM THEIR THOUGHTS ABOUT A PERSON'S  
22 ANATOMY SINCE THEY HAD BEEN IN THERE BEFORE?

23          A       NOT REALLY. TO BE HONEST WITH YOU, VERY  
24 FEW PEOPLE I THINK REMEMBER DETAILS IN ADDITION TO THE

3 1 OP NOTE A COUPLE YEARS LATER. FINE NUANCE-TYPE THINGS  
2 MIGHT BE WORTH PICKING UP.

3 Q LET'S DIVERT FROM PARTICULAR TO GENERAL.  
4 IN GENERAL, ARE THERE ANY CONTRAINDICATIONS TO THE  
5 PERFORMANCE OF LAPASCOPIIC SURGERY FOR CHRONIC  
6 ABDOMINAL PAIN?

7 A WHEN YOU LIMIT IT TO CHRONIC ABDOMINAL  
8 PAIN, ARE THERE ANY CONTRAINDICATIONS?

9 Q I WANT TO LIMIT IT TO THE TYPE OF PAIN  
10 THIS WOMAN HAD.

11 A I WOULD SAY NO. !

12 Q EXCEPT IF SHE CAN'T UNDERTAKE THE RISK OF  
13 GENERAL ANESTHESIA?

14 A UNDERSTANDING THOSE KINDS OF THINGS.

15 Q ARE THERE ANY INDIVIDUALS WHO FEEL THAT  
16 REPEATED ABDOMINAL SURGERY WOULD BE A  
17 CONT~INDICATION?

18 A I'M SURE THERE ARE. I MEAN THE  
19 LITERATURE IS FULL OF OPINIONS. I THINK THE CONSENSUS  
20 IS THAT REPEATED ABDOMINAL SURGERY IS NOT A  
21 CONTRAINDICATION TO A LAPAROSCOPY.

22 Q ARE THERE ANY DANGERS THAT ARE ASSOCIATED  
23 WITH REPEATED ABDOMINAL SURGERY?

24 A AS A GENERAL QUESTION, OF COURSE,

4 1 THEORETICALLY THERE ARE.

2 Q I GUESS I WILL MAKE IT MORE SPECIFIC.  
3 THE PERFORMANCE OF A LAPAROSCOPY, ARE THERE ANY  
4 DANGERS ASSOCIATED WITH A PAST HISTORY OF REPEAT  
5 ABDOMINAL SURGERY?

6 A THEORETICALLY, BOWEL INJURY IS A  
7 POSSIBILITY, INABILITY TO ACCOMPLISH ANYTHING BECAUSE  
8 OF ADHESIONS. THOSE WOULD BE TWO DANGERS.

9 Q ONE OF THE DANGERS WOULD BE THE DANGER OF  
10 INSTRUMENTATION, SUCH AS A TROCAR, PERFORATING THE  
11 BOWEL?

12 A TRUE, THAT'S INHERENT IN THE PROCEDURE.

13 Q IS THAT RISK INCREASED BY THE FACT THAT  
14 THERE HAS BEEN EVIDENCE OF EXTENSIVE ADHESIONS IN PAST  
15 SURGERIES?

16 A ACTUALLY THAT'S CONTROVERSIAL. THERE'S A  
17 LOT OF EVIDENCE TO SUGGEST THE RISK IS NO HIGHER IN  
18 SPITE OF PAST SURGERY. THE RISK OF A BOWEL INJURY IS  
19 NO HIGHER IN SOMEBODY WHO HAS HAD SURGERY THAN  
20 SOMEBODY WHO HASN'T HAD ANY. IT'S POSSIBLE TO PULL  
21 ANECDOTES OR CASE REPORTS OR STUDIES THAT WOULD SAY,  
22 YES, THE RISK IS MUCH HIGHER IN PEOPLE WHO HAVE HAD  
23 PREVIOUS SURGERY, BUT THERE ARE OTHER CASE REPORTS  
24 THAT DON'T SUPPORT THAT. I THINK THE CONSENSUS IS

4           1           LITTLE OR NO INCREASE IN RISK.

2                   Q           HOW ABOUT IN INDIVIDUALS SUCH AS MRS.  
3           WATKINS WHO HAD A KNOWN HISTORY OF ADHESIONS ADHERING  
4           HER OMENTUM TO THE ABDOMINAL WALL?

5                   A           I'M NOT IMPRESSED WITH THAT.  WHAT ARE  
6           YOU ASKING ME?  MAYBE --

7                   Q           MAYBE I'M BEING TOO COMMON SENSE ABOUT  
8           IT.  IF THE OMENTUM IS ADHERING TO THE ABDOMINAL  
9           WALL, IT'S ALSO GOING TO TAKE THE COLON UP TO THE  
10          ABDOMINAL WALL?

11                  A           NOT NECESSARILY.

12                  Q           CAN IT, THOUGH?

13                  A           WELL, MY HYPOTHESIS IS THE PART OF THE  
14          OMENTUM THAT IS ATTACHED TO THE ANTERIOR ABDOMINAL  
15          WALL WOULD BE THIS AREA UP IN HERE.  IN THIS DRAWING  
16          YOU CAN SEE IT ORIGINATES FROM THE STOMACH AND COLON.  
17          IT'S REDUNDANT ENOUGH, THERE IS ENOUGH OMENTUM THAT IT  
18          WOULDN'T MOST LIKELY PULL THE COLON TO THE UPPER  
19          ABDOMEN.  THE OMENTUM ITSELF WILL STRETCH AND MOVE AND  
20          COULD TURN UP ANYWHERE.

21                  Q           BUT SINCE WE DON'T KNOW EXACTLY WHERE IN  
22          DR. WATSON'S REPORT HE DESCRIBED THE OMENTUM BEING  
23          ATTACHED, THERE IS A POSSIBILITY THAT THE OMENTUM  
24          COULD BE SECURING THE COLON TO THE ABDOMINAL WALL?

4 1 MR. ADKINSON: OBJECTION.

2 A IT'S A POSSIBILITY, SURE. IT TURNED OUT  
3 NOT TO BE THE CASE APPARENTLY, BECAUSE HE DIDN'T SAY  
4 THAT.

5 BY MR. SHAVER:

6 Q NOW, IN PERFORMING A LAPAROSCOPY,  
7 OBVIOUSLY THE PLACEMENT OF THE TROCAR IS A BLIND  
8 PROCEDURE.

9 A YES, IT IS.

10 Q BY "BLIND," MEANING YOU CAN'T SEE WHERE  
11 YOU'RE GOING? <sup>1</sup>/<sub>2</sub>

12 A THAT'S CORRECT.

13 Q ARE THERE ANY SURGICAL TECHNIQUES THAT  
14 YOU CAN UTILIZE TO DECREASE THE RISK OF PLACING THE  
15 TROCAR, I.E., WHERE YOU CAN VISUALIZE A LITTLE BIT  
16 BETTER?

17 A HASSON INTRODUCED A PROCEDURE, AN OPEN  
18 LAPAROSCOPY, ON THE THEORY TO REDUCE THE CHANCE OF  
19 INTRA-ABDOMINAL INJURY. THAT HASN'T PANNED OUT TO BE <sup>1</sup>/<sub>2</sub>  
20 THE CASE AND THE PROCEDURE HASN'T FOUND A WIDE  
21 FOLLOWING. THE RISK OF COMPLICATION IS ABOUT AS  
22 COMMON OR THE INCIDENCE OF COMPLICATION IS ABOUT AS  
23 COMMON WITH AN OPEN LAPAROSCOPY AS IT IS WITH A CLOSED  
24 LAPAROSCOPY.

4 1 Q BUT DR. HASSON, I BELIEVE THEY CALL IT  
2 THE HASSON CANNULA --

3 A RIGHT.

4 Q -- DOES BELIEVE THAT IF YOU OPEN UP --  
5 TELL ME WHAT HIS THEORY WAS, HOW HE EXPECTED THE  
6 SURGERY TO WORK.

7 A HIS THEORY IS BASED ON THE IDEA THAT YOU  
8 WILL MAKE AN INCISION, SLIP THE TROCAR, A BLUNT TROCAR  
9 RATHER THAN ONE WITH A TIP, INTO THE ABDOMINAL CAVITY,  
10 SEW THE ABDOMINAL WALL TO THE SIDES OF THE TROCAR, THE  
11 SLEEVE OF THE TROCAR, PULL OUT THIS BLUNT CANNULA AND  
12 INTRODUCE A SCOPE VERY GRADUALLY. RATHER THAN  
13 PUNCTURING WITH A BLIND SCOPE, THE IDEA IS YOU MAKE A  
14 SMALL INCISION AND SLIP THE SCOPE FROM HERE AND LOOK  
15 AROUND. BUT IT TURNS OUT THE COMPLICATIONS ARE JUST  
16 ABOUT AS FREQUENT WITH THAT AS THEY ARE WITH THE  
17 TRADITIONAL LAPAROSCOPY. IT DOESN'T HAVE A WIDE  
18 FOLLOWING.

19 Q LET'S TAKE THE PERSPECTIVE **IF** A HASSON<sup>1</sup>  
20 CANNULA HAD BEEN USED IN THIS CASE, WHAT DO YOU THINK  
21 WOULD HAVE HAPPENED?

22 A I HAVE NO IDEA. THAT'S PURELY  
23 SPECULATIVE. I THINK IT'S REASSURING FROM DR.  
24 SCHARRER'S STANDPOINT THAT WATSON WAS ABLE TO CARRY

5 1 OUT HIS LAPAROSCOPY IN '89 WITHOUT ANY COMPLICATIONS.  
2 THAT WOULD TEND TO MAKE ME THINK EVERYTHING WILL BE  
3 OKAY TOO.

4 Q LAPAROSCOPY OR LAPAROTOMY?

5 A BOTH.

6 Q OF COURSE THERE'S ANOTHER TECHNIQUE THAT  
7 COULD BE UTILIZED AND THAT WOULD BE THE LAPAROTOMY.

8 A IT'S A STATEMENT AGAIN.

9 Q IT'S A STATEMENT. IS THAT FAIR?

10 A YES, THAT'S A FAIR STATEMENT. YOU COULD  
11 GO TO A STRAIGHT LAP. WE MIGHT BE SITTING HERE  
12 ARGUING ON A LAPAROTOMY TOO, WHY WASN'T A LAPAROSCOPY  
13 DONE.

14 Q WOULD YOU BE CRITICAL OF ANY DOCTOR WITH  
15 HER PAST HISTORY PERFORMING A LAPAROTOMY?

16 A LET'S THROW OUT A HYPOTHETICAL. WE HAVE  
17 A PULMONARY EMBOLUS RECOVERING FROM A LAPAROTOMY AND  
18 THERE'S INDICATIONS THAT SHE SHOULD HAVE HAD A  
19 LAPAROSCOPY, I'D BE CRITICAL. SHE HAD A LAPAROSCOPY.  
20 IT DOES HAVE SOME RISK INHERENT EVEN TO PEOPLE WHO  
21 HAVE HAD MULTIPLE OPERATIONS, BUT THE CONSENSUS IS  
22 IT'S STILL A SAFE PROCEDURE BY AND LARGE. THERE'S  
23 COMPLICATIONS PART AND PARCEL OF THE PROCEDURE, BUT  
24 THE RISK OF IT IS REAL LOW, THE FREQUENCY IS REAL LOW

5 1 Q BEAR WITH ME FOR A MOMENT. LET'S ASSUME  
2 THAT A LAPAROTOMY HAD BEEN THE TECHNIQUE OF CHOICE AND  
3 A LAPAROTOMY HAD BEEN PERFORMED. IS IT FAIR TO SAY  
4 UNDER THAT SCENARIO THE INJURY TO THE BOWEL WOULD HAVE  
5 BEEN AVOIDED?

6 A OF COURSE THAT'S SPECULATIVE. THE  
7 PARTICULAR INJURY TO THE BOWEL THAT HAPPENED HERE WAS  
8 THROUGH A LAPAROSCOPE. SURE, IF HE DOESN'T USE A  
9 SCOPE, HE'S NOT GOING TO STICK THE SCOPE IN THROUGH  
10 THE SMALL BOWEL. OTHER INJURIES ARE CERTAINLY MUCH  
11 MORE COMMON, OTHER COMPLICATIONS ARE MUCH MORE COMMON  
12 AFTER LAPAROTOMY AND RECOVERY THERETO FROM A  
13 LAPAROSCOPY.

14 Q IS ONE OF THE OTHER BENEFITS OF A  
15 LAPAROTOMY THAT IF THERE IS INADVERTENT PERFORATION OF  
16 THE BOWEL THEY'RE EASILY TO DISCERN AT THE TIME OF THE  
17 ORIGINAL SURGERY?

18 A I THINK THAT'S PROBABLY TRUE.

19 Q YOU MENTIONED SEVERAL TIMES THE STUDIES  
20 ABOUT HASSON CANNULA COMPLICATIONS VERSUS LAPAROSCOPIC  
21 COMPLICATIONS. ARE THERE ANY STUDIES YOU HAVE IN  
22 MIND?

23 A I CAN'T QUOTE ANY. I LOOKED THEM UP  
24 SEVERAL MONTHS AGO AND I CAN'T GIVE YOU SPECIFICS.

5 1 BUT IT IS PRODUCIBLE. YOU COULD FIND IT.

2 Q ALONG THE SUBJECT OF CONTRAINDICATIONS  
3 AND INDICATIONS FOR THE PERFORMANCE OF THIS TYPE OF  
4 SURGERY, ARE THERE ANY TEXTS OR ARTICLES THAT YOU  
5 CONSIDER AUTHORITATIVE?

6 MR. ADKINSON: OBJECTION.

7 A IN AN AREA -- I DON'T KNOW WHETHER YOU'RE  
8 TALKING ABOUT ADHESION SURGERY OR --

9 Q ADHESION SURGERY.

10 MR. ADKINSON: LET ME OBJECT TO THE  
11 USE OF THE TERM "AUTHORITATIVE" BECAUSE IT HAS A LEGAL  
12 MEANING AND NORMAL MEANING.

13 MR. SHAVER: YOU CAN EXPLAIN IT TO  
14 HIM IF YOU WANT.

15 MR. ADKINSON: THAT'S ALL RIGHT. YOU  
16 CAN DO WHAT YOU WANT. I JUST WANT TO GET MY OBJECTION  
17 ON THE RECORD.

18 A I WAS GOING TO ADDRESS AUTHORITY A LITTLE  
19 BIT. IN PARTICULAR, ADHESIONS, I MENTIONED A FEW  
20 MINUTES AGO, THAT THERE'S SO FEW FACTS AND SO MANY  
21 OPINIONS THAT NOTHING, I GUESS, IS AUTHORITATIVE.  
22 THERE ARE AS MANY OPINIONS AS THERE ARE AUTHORS.

23 Q HOW ABOUT FOR THE PERFORMANCE OF  
24 LAPAROSCOPIC SURGERY?

5 1 A I THINK THERE IS KIND OF A MERGE OF  
2 GENERAL CONSENSUS OF HOW A LAPAROSCOPIC TECHNIQUE  
3 SHOULD BE DONE IN THIS KIND OF CASE. A MUCH MORE  
4 CONTROVERSIAL AREA WITHIN LAPAROSCOPY NOW IS  
5 PELVISCOPIC SURGERY AND TAKING OUT ORGANS THROUGH THE  
6 SCOPE. THERE IS A GOOD, FAIRLY GOOD CONSENSUS ABOUT  
7 HOW LAPAROSCOPY OF THIS KIND, DIAGNOSTIC FOR PAIN AND  
8 LYSIS OF ADHESIONS, SHOULD BE DONE.

9 Q I IMAGINE ONE OF THE REASONS HE WAS NOT  
10 ABLE TO SEE THE INJURY IN THIS PARTICULAR CASE IS  
11 BECAUSE THE TROCAR WENT THROUGH AND THROUGH THE BOWEL.

12 A THAT'S WHAT IT APPEARS.

13 Q CAN YOU TELL FROM THE OPERATIVE REPORT  
14 WHAT SECTION OF THE BOWEL WAS PERFORATED?

15 A NO, YOU CAN'T.

16 Q LET'S MOVE FROM THIS SPECIFIC CASE TO  
17 GENERAL AGAIN, AND GENERALLY WHAT WOULD BE THE SIGNS  
18 AND SYMPTOMS OF A BOWEL PERFORATION FOLLOWING  
19 LAPAROSCOPIC SURGERY?

20 A ABSENCE OF BOWEL SOUNDS, ILEUS, IN OTHER  
21 WORDS, POSSIBLY VOMITING, DISTENSION, DIRECT AND  
22 REBOUND TENDERNESS IN THE ABDOMEN ARE POSSIBLE. FEVER  
23 POSSIBLY.

24 Q I IMAGINE IT'S LIKE ANYTHING ELSE IN

5 1 MEDICINE, YOU NEVER EXPECT 100 PERCENT OF THE CLINICAL  
2 SYMPTOMS TO SHOW UP; IS THAT FAIR?

3 A THAT'S FAIR.

4 Q SOME OF THEM, VARIOUS INDIVIDUALS, SOME  
5 DO, SOME DON'T?

6 A CORRECT.

7 Q IS ABDOMINAL BRUISING A COMMON FINDING  
8 AFTER A LAPAROSCOPY?

9 A ROUTINE, VIRTUALLY 100 PERCENT OF THE  
10 PATIENTS DO.

11 Q DOES THE BRUISING USUALLY INCREASE OR  
12 DECREASE IN SIZE OVER THE 24 HOURS?

13 A STEADILY INCREASES.

14 Q UNTIL IT REACHES AN APEX, THEN COMES BACK  
15 DOWN?

16 A RIGHT.

17 Q IN THIS PATIENT, DOES SHE HAVE ANYTHING  
18 UNUSUAL ABOUT HER POST-OPERATIVE COURSE?

19 A I DON'T THINK SHE DID, NO.

20 Q YOU DON'T FIND THAT SHE WAS IN AN UNUSUAL  
21 AMOUNT OF PAIN OR ANYTHING LIKE THAT?

22 A THIS LADY'S PAIN IS VERY HARD TO EVALUATE  
23 BECAUSE IT WAS SO LONG STANDING AND THE REASON THE  
24 LAPAROSCOPY WAS CARRIED OUT WAS BECAUSE IT WAS

6 1 WORSENING, SUPRAPUBIC PAIN, AND THAT'S WHAT SHE WAS  
2 COMPLAINING ABOUT IN THE RECOVERY ROOM. SO IF YOU SAW  
3 HER AT THE BEDSIDE, I THINK IT WOULD BE EASY TO  
4 CONCLUDE THAT THIS IS THE SAME PAIN THAT BROUGHT HER  
5 IN HERE, IT'S THE SAME PROCESS GOING ON.

6 I DON'T THINK THAT SHE HAD ANY UNUSUAL  
7 AMOUNT OF PAIN OR THE USE OF PAIN PILLS REALLY WASN'T  
8 EXCESSIVE. SHE CLEARED THE ANESTHESIA AND WOKE UP A  
9 LITTLE BIT AND SHE HAD FOUR PERCODANS IN 18 HOURS OR  
10 SOMETHING. NOT A LOT.

11 Q DO YOU ROUTINELY ORDER WHITE BLOOD CELL  
12 COUNTS AFTER YOUR LAPAROSCOPIC SURGERY?

13 A NO.

14 Q DO YOU KNOW WHY ONE WAS ORDERED IN THIS  
15 CASE?

16 A THIS LADY COMPLAINED OF PAIN AND  
17 DISCOMFORT AFTERWARDS. THEY THOUGHT THEY OUGHT TO  
18 OBSERVE HER IN THE HOSPITAL POST-OP. AND ONE OF THE  
19 WAYS OF LOOKING FOR, IN THEORY LOOKING FOR EVIDENCE OF  
20 SOMETHING INTRAPERITONEAL IN THE FORM OF INJURY WOULD  
21 BE TO GET A WHITE COUNT, SEE IF IT SHOWS YOU ANYTHING.

22 Q WHAT WOULD YOU EXPECT THE WHITE COUNT TO  
23 SHOW IF THERE HAD BEEN A PERFORATION?

24 A THE RESULTS ARE VERY GENERAL. WIDE

6  
1 POSSIBILITY. I GUESS IT'S PERTINENT IT TURNED OUT NOT  
2 TO BE NEGATIVE, BUT IT WAS NOT VERY HELPFUL IN THIS  
3 CASE BECAUSE IT WAS BASICALLY NORMAL. IT WAS 11,700.  
4 I WOULD BE VERY IMPRESSED IF IT WAS 20,000. I ~~AM~~ SURE  
5 THEY WOULD HAVE BEEN, TOO.

6 Q IT WAS HIGH NORMAL. IN FACT, IT WAS A  
7 LITTLE BIT ABOVE NORMAL?

8 A WITHIN THE ERROR OF THE LAB. UPPER  
9 NORMAL IS 11,000. THIS WAS 11,700.

10 Q WAS THERE ANY SHIFT TO IT AT ALL?

11 A SHE HAD A SHIFT TO THE LEFT. !

12 Q IS THAT OF ANY SIGNIFICANCE TO YOU?

13 A IT'S NONSPECIFIC. IT CAN BE AS A RESULT  
14 OF THE SURGERY ITSELF. WHEN SOMEONE HAS NOTHING OUT  
15 OF THE ORDINARY GOING ON, YOU CAN GET A SHIFT TO THE  
16 LEFT FROM ANESTHESIA, ANESTHETIC, ALTHOUGH I'M NOT  
17 SURE ABOUT THAT.

18 Q ANYTHING ABOUT THE BANDS?

19 A SHIFT TO THE LEFT, RIGHT.

20 Q AT THE BEGINNING OF THE DEVELOPMENT OF  
21 THE INFECTION PROCESS, WHAT WOULD YOU EXPECT THE  
22 RELATIONSHIP OF THE BANDS TO BE?

23 A IN THE BEGINNING, IT DEPENDS ON WHAT KIND  
24 OF INFECTIOUS PROCESS, WHERE EXACTLY IN THE BEGINNING.

6 1 IF YOU HAVE AN INSULT TO THE BODY, BE IT INFECTION,  
2 TRAUMA, BLOOD TRANSFUSION, SOME KIND OF THING THAT  
3 DISTURBS THE HOMEOSTASIS, WHICH IS THE BODY'S NATURAL  
4 EQUILIBRIUM MECHANISM, YOU CAN GET A SHIFT TO THE  
5 LEFT. IT'S A REAL NONSPECIFIC FINDING.

6 Q THERE WAS A NURSING NOTE THAT TALKED  
7 ABOUT A DRESSING HAVING DARK DRAINAGE.

8 A RIGHT.

9 Q WHAT DID YOU MAKE OF THAT?

10 A OLD BLOOD. ROUTINE FINDING, ROUTINE  
11 OBSERVATION.

12 Q AREN'T MOST NURSES EXPERIENCED ENOUGH TO  
13 KNOW IF SOMETHING IS BLOOD AND PUT IT DOWN AS DRIED  
14 BLOOD?

15 A NURSES ARE NOW COACHED NOT TO DRAW  
16 CONCLUSIONS BUT TO DOCUMENT WHAT THEY SEE AND PUT DOWN  
17 THEIR OBSERVATION WHICH IS UNDISPUTABLY A FACT AS  
18 OPPOSED TO CONCLUDING WHAT IT IS. IN THIS PARTICULAR  
19 CASE, OBVIOUSLY IT WAS BLOOD.

20 Q DID YOU READ THE TESTIMONY ~~OF~~ THE HUSBAND  
21 WHERE HE TALKED ABOUT THE MATERIAL BEING DRAINED NOT  
22 BEING BLOOD?

23 A I DIDN'T SEE THAT. I GUESS HE KIND OF  
24 SUGGESTED LATER AFTER THE FACT THAT IT WAS NOT BLOOD.

6 1 HE DIDN'T SUGGEST THAT AT THE TIME, AND THERE WAS NO  
2 EVIDENCE IN THE RECORD THAT IT WAS ANYTHING BUT BLOOD  
3 AT THE TIME. IT SEEMS TO HAVE APPEARED LATER.

4 Q I RECALL ONE TIME HE DESCRIBED IT AT ONE  
5 POINT IN THE DEPOSITION AS SEEPAGE. WOULD YOU THINK  
6 SEEPAGE AS BEING SOMETHING DIFFERENT THAN BLEEDING?

7 A SEEPAGE IS ANYTHING. IT'S JUST SOMETHING  
8 GOT THERE COMING THROUGH SLOWLY. IT COULD BE  
9 ANYTHING.

10 Q LET'S ASSUME THAT FOR PURPOSES OF A  
11 HYPOTHETICAL THAT ALL THE OTHER FACTS IN THE MEDICAL  
12 RECORD ARE THE SAME, THAT THERE IS A WHITE BLOOD CELL  
13 COUNT, THE WOMAN WAS COMPLAINING OF PAIN AND THAT  
14 THERE IS DARK GREENISH MATERIAL COMING THROUGH THE  
15 INCISION UMBILICUS. WOULD THAT AFFECT YOUR OPINION  
16 ABOUT WHETHER IT WAS APPROPRIATE TO DISCHARGE HER?

17 MR. ADKINSON: OBJECTION.

18 A YOUR HYPOTHETICAL IS DIFFERENT THAN THE  
19 FACTS IN THE CASE. IF THE NURSES HAD OBSERVED DARK'  
20 GREEN SEEPAGE, I **AM** SURE THE CHART WOULD HAVE SAID  
21 DARK GREEN MATERIAL.

22 BY MR. SHAVER:

23 Q IF THERE HAD BEEN NONBLOOD SEEPAGE COMING  
24 THROUGH THE UMBILICUS, WOULD THAT BE A REASON TO KEEP

6

1 THE PERSON IN THE HOSPITAL?

2 MR. ADKINSON: SAME OBJECTION.

3 A DARK NONBLOOD SEEPAGE?

4 Q GREENISH SEEPAGE.

5 A THIS IS TOTALLY HYPOTHETICAL, BECAUSE  
6 AGAIN --

7 Q NO, I BELIEVE THAT'S THE TESTIMONY OF THE  
8 HUSBAND, BUT THAT'S OKAY.

9 A THE RECORD DOESN'T SUPPORT THAT AS  
10 AVAILABLE TO ME AND HE DIDN'T -- SHE HAD A LAPAROSCOPY  
11 BEFORE AND NEVER -- THIS WAS DIFFERENT APPARENTLY,  
12 WHAT HE IS ALLEGING, YET IT DOESN'T COME UP UNTIL  
13 LATER.

14 SO YOUR HYPOTHETICAL IS IF IT WERE DARK  
15 GREEN SEEPAGE, KEEP HER IN THE HOSPITAL? I DON'T  
16 THINK SO. I THINK THE PHYSICIAN COMES BY AND MAKES AN  
17 ASSESSMENT BASED ON OBJECTIVE DATA, TEMPERATURE,  
18 APPETITE, WHAT YOU HAD FOR BREAKFAST, ABDOMINAL  
19 FINDINGS. SHE HAD APPROPRIATE TENDERNESS, SHE HAD  
20 BOWEL SOUNDS, SHE HAD EATEN ALL HER BREAKFAST, SHE  
21 STATED THAT SHE FELT BETTER.

22 A PHYSICIAN IS OBLIGATED IN HYPOTHETICAL  
23 OR IN A REAL SITUATION TO WEIGH ALL THE AVAILABLE  
24 FACTORS AND MAKE A JUDGMENT. YOU'RE ASKING ME IF SHE

7  
1 HAD HYPOTHETICAL GREEN SEEPAGE AND EVERYTHING ELSE WAS  
2 LIKE I SAID IT, SHE'S INTELLIGENT, SHE LIVES NEARBY,  
3 SHE'D GET THE SAME INSTRUCTIONS SHE GOT, KEEP IN  
4 TOUCH.

5 Q NOW, WHAT COULD THE GREEN SEEPAGE BE?

6 A I GUESS IT COULD BE BOWEL CONTENTS, IT  
7 COULD BE BILE.

8 Q BUT YOU DON'T THINK THAT WOULD MANDATE  
9 FURTHER MAINTENANCE OF THE PATIENT IN THE HOSPITAL?

10 A AGAIN, THE RECORD DOESN'T SUPPORT THAT,  
11 THAT THERE'S GREEN SEEPAGE THERE. I THINK THAT'S  
12 IMPORTANT. IF IT WERE GREEN, WHEN THEY SAID DARK,  
13 THEY WOULD SAID DARK OR DARK GREEN.

14 a I TAKE IT HERE YOU'RE MAKING A VALUE  
15 JUDGMENT ABOUT THE FACTS, THAT YOU'RE CHOOSING TO  
16 BELIEVE THE HOSPITAL RECORDS OVER THE TESTIMONY OF THE  
17 HUSBAND.

18 A MEDICINE IS JUDGMENT, AND ACTUALLY WHAT  
19 I'M SAYING IS THE DOCTOR MADE ALL THE JUDGMENTS BASED  
20 ON ALL THE FACTS AVAILABLE AT THAT TIME. HE WAS AT  
21 THE BEDSIDE, LOOKED AT THE DRESSING, HAD THE NURSING  
22 NOTES, ALL THE INFORMATION AVAILABLE TO HIM AND HE LET  
23 HER GO HOME. I THINK IT'S THE CORRECT JUDGMENT.

24 Q NOW, IN THIS PARTICULAR CASE, SHE CAME

7 1 BACK AND SHE WAS SEPTIC.

2 A CORRECT.

3 Q OBVIOUSLY THE SEPSIS IS A CONSEQUENCE OF  
4 THE BOWEL PERFORATION. WOULD YOU AGREE WITH THAT?

5 A CORRECT.

6 Q AND WOULD YOU AGREE THAT HAD IT NOT BEEN  
7 FOR THE BOWEL PERFORATION, THAT SHE WOULD HAVE  
8 SURVIVED, SHE NEVER WOULD HAVE DIED?

9 MR. ADKINSON: OBJECTION.

10 Q I'M TAKING IT STEP BY STEP.

11 MR. ADKINSON: NEVER WOULD HAVE DIED  
12 IS KIND OF A BROAD STATEMENT.

13 BY MR. SHAVER:

14 Q EVENTUALLY SHE WOULD HAVE DIED. WE'RE  
15 ALL GOING TO DIE. SHE WOULDN'T HAVE DIED AT THAT TIME  
16 PERIOD.

17 A I UNDERSTAND.

18 Q OKAY.

19 A WITHOUT THE SEPSIS AND THE BOWEL INJURY  
20 SHE WOULDN'T HAVE DIED, THAT'S CORRECT.

21 Q LET'S ASSUME THAT FOR WHATEVER REASON SHE  
22 HAD BEEN RE-EXPLORED AT THE TIME ON THE SAME DAY THAT  
23 SHE WAS DISCHARGED AND THE PERFORATION HAD BEEN FOUND  
24 AND REPAIRED. IS IT MORE LIKELY THAN NOT THAT SHE

7  
1           WOULD HAVE SURVIVED?

2           A           MORE LIKELY THAN NOT IN MY OPINION SHE  
3           WOULD HAVE SURVIVED.  THERE WERE NO INDICATIONS FOR  
4           EXPLORING HER AT THAT POINT THOUGH.

5           Q           IS THERE ANY POINT IN TIME IN WHICH YOU  
6           THINK HER COURSE BECAME IRREVOCABLE?

7           A           THAT GETS INTO REAL OPINION HERE BECAUSE  
8           IT'S CLEAR -- I'M NOT AN INTENSIVIST OR EXPERT ON  
9           SEPTIC SHOCK.  IT'S CLEAR THAT SHE WAS IN EXTREMIS  
10          WHEN SHE WAS ADMITTED.  SOMEWHERE BACK THERE IN THE  
11          PRECEDING 36 HOURS SHE CROSSED THE LINE WHERE SHE WAS  
12          STABLE AND WHERE SHE WASN'T, AND I DON'T KNOW WHERE  
13          THAT IS.

14          Q           IN THE SECOND OPERATIVE REPORT THERE WAS  
15          SOME CONCERN ABOUT NECROTIZING FASCIITIS.  DO YOU FIND  
16          THAT OR DO YOU FIND THEY RULED IT OUT?

17          A           I THINK THAT IS REAL IMPRESSIVE.  I THINK  
18          THIS LADY HAD A COMPLICATION PART AND PARCEL OF THE  
19          LAPAROSCOPY AND SHE HAD THE EXTRAORDINARY MISFORTUNE  
20          TO DIE FROM IT FROM SOME UNUSUAL MECHANISM OR UNUSUAL  
21          INFECTION THAT HER BODY OR UNUSUAL WAY HER BODY  
22          RESPONDED TO THIS INFECTION, BECAUSE THE COLON  
23          PERFORATION AND THE BOWEL PERFORATION ARE PART AND  
24          PARCEL OF A LAPAROSCOPY, YET THIS LADY JUST COLLAPSED

7 1 IN 36 HOURS.

2 I DON'T THINK YOU SHOULD INTERPRET A  
3 WHOLE LOT OUT OF THE AUTOPSY. THEY DIDN'T FIND  
4 NECROTIZING FASCIITIS. I THINK IT'S VERY IMPRESSIVE  
5 WHEN THE GENERAL SURGEON DESCRIBED THE ABDOMINAL WALL  
6 AND THE AUTOPSY SURGEON DID ALSO FIND NECROSIS OR  
7 CHANGE IN THE FAT. THERE WAS SOMETHING BIZARRE GOING  
8 ON IN THIS LADY.

9 Q WHAT YOU'RE SAYING, FOR WHATEVER REASON  
10 SHE WAS MORE SUSCEPTIBLE TO INFECTION?

11 A SOMETHING HAPPENED. SHE HAD A  
12 COMPLICATION THAT'S PART AND PARCEL TO LAPAROSCOPY  
13 INFREQUENT, BUT SHE HAD AN EXTRAORDINARY, BIZARRE,  
14 UNUSUAL REACTION TO THE INFECTION AND WAS NOT  
15 SALVAGEABLE.

16 Q YOU ARE OBVIOUSLY NOT CRITICAL OF THE  
17 CARE OF ANY OF THE PHYSICIANS WHO TREATED HER ONCE SHE  
18 BECAME HOSPITALIZED AGAIN.

19 A NO, I'M NOT.

20 Q YOU'RE NOT GOING TO COME IN AND SAY,  
21 WELL, THERE IS SOMETHING THEY DID WRONG WHICH CAUSED  
22 HER TO --

23 A ABSOLUTELY NOT.

24 Q FOLLOWING A SURGERY SUCH AS A LAPAROSCOPY

7 1 THAT WAS PERFORMED BY DR. SCHARRER, HOW WOULD YOU  
2 EXPECT URINE OUTPUT TO REACT?

3 A THAT'S A LOT MORE GENERAL QUESTION. IT  
4 HAS A LOT TO DO WITH HOW MUCH FLUID SHE GETS, HOW  
5 QUICKLY SHE STARTS DRINKING AGAIN POST-OP. ALL THOSE  
6 KINDS OF THINGS. I WOULD PUT HER URINE OUTPUT, IT'S  
7 BORDERLINE NORMAL.

8 Q A LITTLE LOW?

8 9 A A LITTLE LOW. BORDERLINE NORMAL. IT'S  
10 LOW NORMAL. SHE WAS A LITTLE BELOW AVERAGE BUT WITHIN  
11 THE NORMAL RANGE. YOU HAVE TO REMEMBER SHE WAS NPO  
12 FROM THE NIGHT BEFORE.

13 Q IN THIS TYPE OF SURGERY, WHAT TYPE OF  
14 PAIN MEDICATION DO YOU NORMALLY PRESCRIBE  
15 POST-OPERATIVELY?

16 A USUALLY NOTHING. DEPENDING ON WHAT YC J  
17 DO, IT'S A JUDGMENT CALL. THIS LADY HAD A  
18 LONG-STANDING PERSONAL ACQUAINTANCE WITH A VARIETY OF  
19 PAIN MEDICATION.

20 Q YOU NOTICED SHE COMPLAINED OF CERVICAL  
21 PAIN IN THE PAST?

22 A CERVICAL BEING NECK?

23 Q RIGHT.

24 A I WENT THROUGH ALL THAT STUFF. SHE HAD

8

1 LOTS OF PAIN.

2 Q DIFFERENT --

3 A PSYCHOSOMATIC STUFF AND WAS INVOLVED IN,  
4 I GUESS, COUNSELING WITH A PSYCHOLOGIST. ALL KINDS OF  
5 THINGS.

6 Q DID YOU EVER GIVE ANY THOUGHT TO THE IDEA  
7 THAT THIS ABDOMINAL PAIN MAY HAVE BEEN PSYCHOSOMATIC  
8 ALSO?

9 A DID I GIVE ANY THOUGHT TO IT, SURE; BUT  
10 ADHESIONS, AS I SAID EARLIER, ARE HARD TO UNDERSTAND.  
11 SOME PEOPLE HAVE LOTS OF ADHESIONS AND NO PAIN, OTHER  
12 PEOPLE HAVE LOTS OF PAIN. YOU GO IN THERE AND CORRECT  
13 THEM AND THEY'RE WELL. WE'VE ALL SEEN IT.

14 Q HAVE YOU EVER USED THE HASSON CANNULA IN  
15 ANY SURGERIES?

16 A TWO OR THREE TIMES SO I WAS ACQUAINTED  
17 WITH IT.

18 Q UNDER WHAT SCENARIOS DID YOU USE IT?

19 A SELF-EDUCATION.

20 Q YOU NO LONG USE IT?

21 A THAT'S CORRECT. I USED IT TWO OR THREE  
22 TIMES WHEN IT FIRST CAME OUT. A TOOL FOR WHICH THERE  
23 WAS NO NEED.

24 Q JUST GENERALLY I'M GOING **TO** -- TELL ME A

8 1 LITTLE BIT ABOUT YOUR PAST MEDICAL-LEGAL EXPERIENCE.

2 A RIGHT.

3 Q YOU'VE REVIEWED CASES BEFORE IN ORDER TO  
4 TESTIFY IN CASES?

5 A THAT'S CORRECT.

6 Q CAN YOU GIVE ME AN IDEA HOW MANY TIMES  
7 YOU HAVE BEEN ASKED TO REVIEW CASES?

8 A THAT WOULD BE GUESSING, PROBABLY SIX OR  
9 OR SEVEN OVER A TEN- OR TWELVE-YEAR PERIOD.

10 Q CAN YOU GIVE ME ANY BREAKDOWN OF HOW MANY  
11 OF THOSE HAVE BEEN FOR THE PLAINTIFF AND HOW MANY FOR  
12 THE DEFENDANT?

13 A TWO OR THREE FOR PLAINTIFFS AND THE  
14 BALANCE FOR DEFENDANTS.

15 Q I KNOW SOME OF THE FIRMS WHO HAVE USED  
16 YOU TO REVIEW CASES HERE IN TOWN, MIKE ROMANELLO, I  
17 BELIEVE JACOBSON MAYNARD HAS USED YOU IN CASES BEFORE.  
18 ARE THERE ANY FIRMS THAT COME TO MIND?

19 A I HAVE TESTIFIED FOR JERRY DRAPER A  
20 COUPLE TIMES, THOMPSON, HINE AND FLORY, I GUESS WHEN  
21 HE WAS WITH BRICKER ALSO. I TESTIFIED FOR CRAIG  
22 BARCLAY WHEN HE WAS A DEFENSE ATTORNEY.

23 Q HAVE YOU TESTIFIED FOR HIM SINCE HE HAS  
24 GONE WITH JERRY MALOON?

8

1 A I HAVEN'T BEEN APPROACH. I KNOW CRAIG  
2 SOCIALLY.

3 Q LANE ALTON?

4 A I HAVE IN THE PAST. NOT RECENTLY. JOHN  
5 ALTON, JACK ALTON. PORTER WRIGHT.

6 Q THE TWO OR THREE PLAINTIFFS' CASES THAT  
7 YOU HAVE DONE IN THE PAST, WERE THEY PLAINTIFFS WHO  
8 WERE IN STATE?

9 A YES.

10 Q CAN YOU RECALL WHAT ATTORNEYS YOU WORKED  
11 WITH ON THOSE CASES?

12 A TOM TYACK, WALTER RECKLESS AND AN  
13 ASSOCIATE OF HIS WHOSE NAME, IT WAS A WOMAN, ESCAPES  
14 ME. I GUESS A FORMER ASSOCIATE OF **HIS** AND NOW WORKS  
15 FOR THE A.G., JOHN MILLER.

16 Q I'VE NOTICED YOU'VE ALSO GIVEN SEMINARS  
17 WITH MIKE ROMANELLO ON HOW TO -- I DON'T KNOW. WHAT  
18 IS THE TITLE OF THE NEW SEMINAR THAT YOU ARE ABOUT TO  
19 GIVE?

20 A I GOT ROPED INTO SOMETHING AS A FAVOR **TO**  
21 A FRIEND, BY THE WAY. I DON'T KNOW. MIKE CAME UP  
22 WITH THE TITLE. IT'S SOMETHING TO DO WITH MEDICINE  
23 AND LAW. IT'S AN OVERALL SEMINAR. I **AM** TALKING ABOUT  
24 A WITNESS -- BEING A WITNESS. IT'S CALLED

8 1 MEDICAL-LEGAL COLLABORATION OR SOMETHING.

2 - - -

3 DISCUSSION HELD OFF THE RECORD.

4 - - -

5 Q HAVE YOU EVER GIVEN SEMINARS LIKE THAT IN  
6 THE PAST?

7 A I TALKED TO THE BAR ASSOCIATION ON TRAUMA  
8 AND PREGNANCY A COUPLE YEARS AGO.

9 Q OBVIOUSLY YOU ARE ENTITLED TO CHARGE FOR  
10 YOUR TIME. CAN YOU GIVE ME WHAT YOUR RATES FOR DOING  
11 DEPOSITIONS, REVIEWS, TRIAL TESTIMONY? !

12 A I CHARGE \$325 AN HOUR FOR EVERYTHING.

13 Q I TAKE IT THAT THERE'S NOTHING ELSE YOU  
14 INTEND TO REVIEW BEFORE THE TRIAL, ANYTHING YOU THINK  
15 PERTINENT.

16 A NOTHING COMES TO MIND. I'M NOT GOING TO  
17 LIMIT THE POSSIBLY I MIGHT REVIEW SOMETHING. I KNOW  
18 YOU'RE GOING TO DEPOSE SOMEBODY IN CALIFORNIA FOR YOUR  
19 SIDE, I WILL PROBABLY REVIEW THAT. I MAY DECIDE,  
20 BASED ON WHAT HE SAYS, TO LOOK UP SOMETHING IN THE  
21 LITERATURE. I'M NOT GOING TO LIMIT IT TO WHAT I HAVE  
22 DONE.

23 Q I WOULD ASK YOU A QUESTION, IF YOU DECIDE  
24 TO DO A LITERATURE SEARCH AND COME UP WITH SOME

8

1

LITERATURE YOU THINK PERTINENT BEFORE TRIAL, YOU

2

EXPECT IT WOULD BE PART OF YOUR TESTIMONY, WOULD YOU

3

PLEASE ADVISE MR. ADKINSON OF THAT AND WE CAN MAKE

9

4

SURE I GET THE CITATION TO IT?

5

A OKAY.

6

Q OTHER THAN THAT, I'M DONE.

7

MR. ADKINSON: WOULD YOU LIKE TO TAKE

8

A LOOK AT THE DEPOSITION?

9

THE WITNESS: I WOULD RATHER WAIVE

10

BECAUSE OF THE SCHEDULE.

11

MR ADKINSON: YOU CAN DO WHATEVER YOU

12

WANT. I THINK IT WAS A PRETTY CLEAN DEPOSITION, NOT

13

WHOLE A LOT OF TALKING BACK AND FORTH.

14

MR. SHAVER: IF SOMETHING COMES UP

15

IN YOUR TRANSCRIPT YOU THINK ISN'T RIGHT BEFORE YOU

16

GET ON THE STAND, TELL PAT SO I KNOW AND I DON'T STICK

17

MY FOOT IN MY MOUTH AND I SAY, DIDN'T YOU SAY THIS AT

18

YOUR DEPOSITION.

19

- - -

20

SIGNATURE WAIVED.

21

- - -

22

THEREUPON, AT 4:55 P.M.,

23

THURSDAY, FEBRUARY 10, 1994,

24

THE DEPOSITION WAS CONCLUDED.

C E R T I F I C A T E

STATE OF OHIO                    )  
  )    SS:  
COUNTY OF FRANKLIN        )

I, DENISE SHOEMAKER, REGISTERED PROFESSIONAL REPORTER AND NOTARY PUBLIC IN AND FOR THE STATE OF OHIO, DO HEREBY CERTIFY THAT BEFORE THE TAKING OF HIS DEPOSITION, THE SAID STEPHEN DEVOE, M.D., WAS FIRST DULY SWORN BY ME TO TELL THE TRUTH, THE WHOLE TRUTH, AND NOTHING BUT THE TRUTH;

THAT SAID DEPOSITION WAS TAKEN IN ALL RESPECTS PURSUANT TO THE STIPULATIONS OF COUNSEL HERETOFORE SET FORTH AND GIVEN AT THE SAID TIME AND PLACE BY THE SAID STEPHEN DEVOE, M.D.;

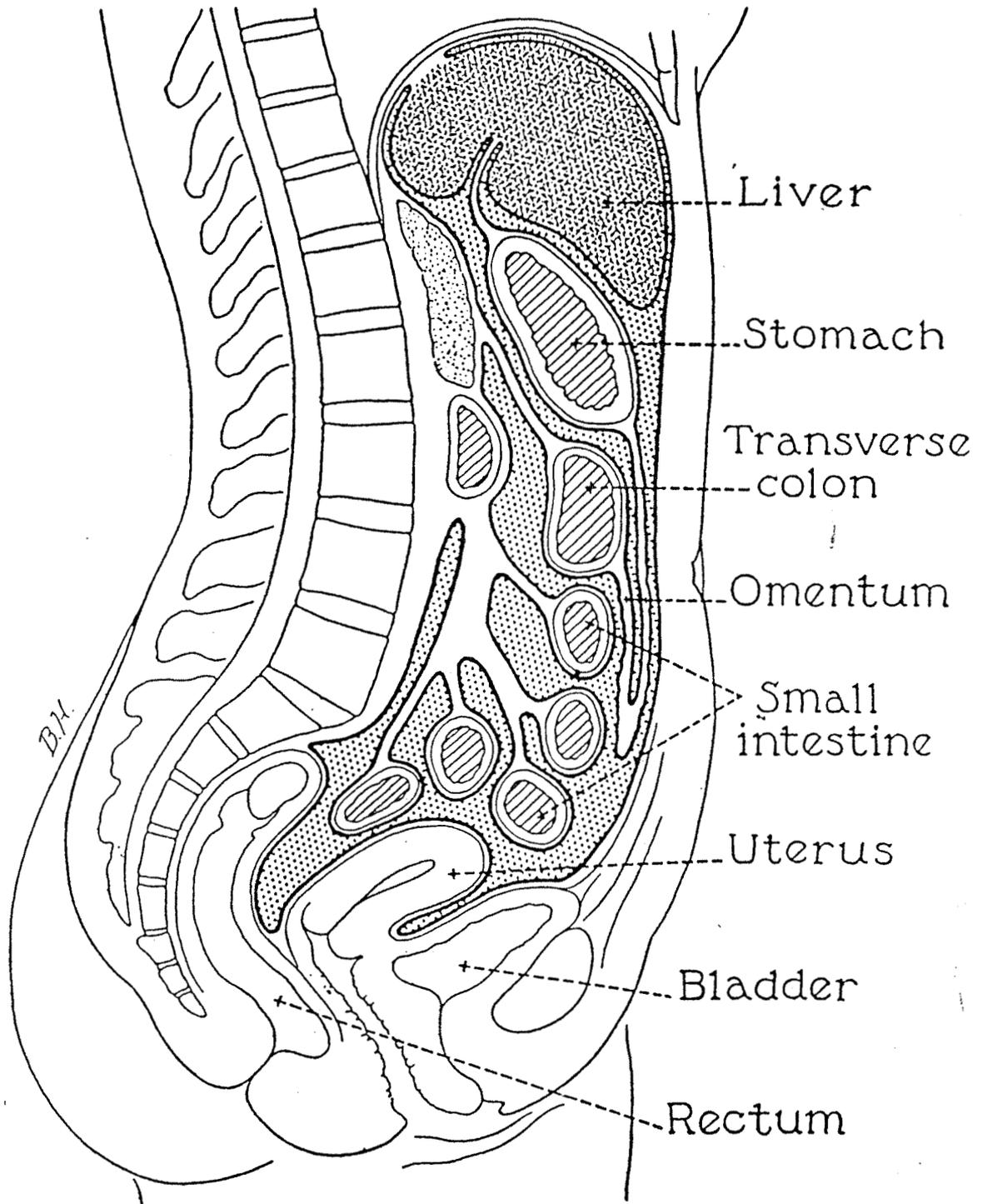
THAT I **AM** NOT AN ATTORNEY FOR OR RELATIVE OF EITHER PARTY AND HAVE NO INTEREST WHATSOEVER IN THE EVENT OF THIS LITIGATION.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND OFFICIAL SEAL OF OFFICE AT COLUMBUS, OHIO, THIS 24TH DAY OF FEBRUARY, 1994.

*Denise Shoemaker*

\_\_\_\_\_  
DENISE SHOEMAKER, RPR, NOTARY PUBLIC  
IN AND FOR THE STATE OF OHIO.

MY COMMISSION EXPIRES: JANUARY 20, 1999.

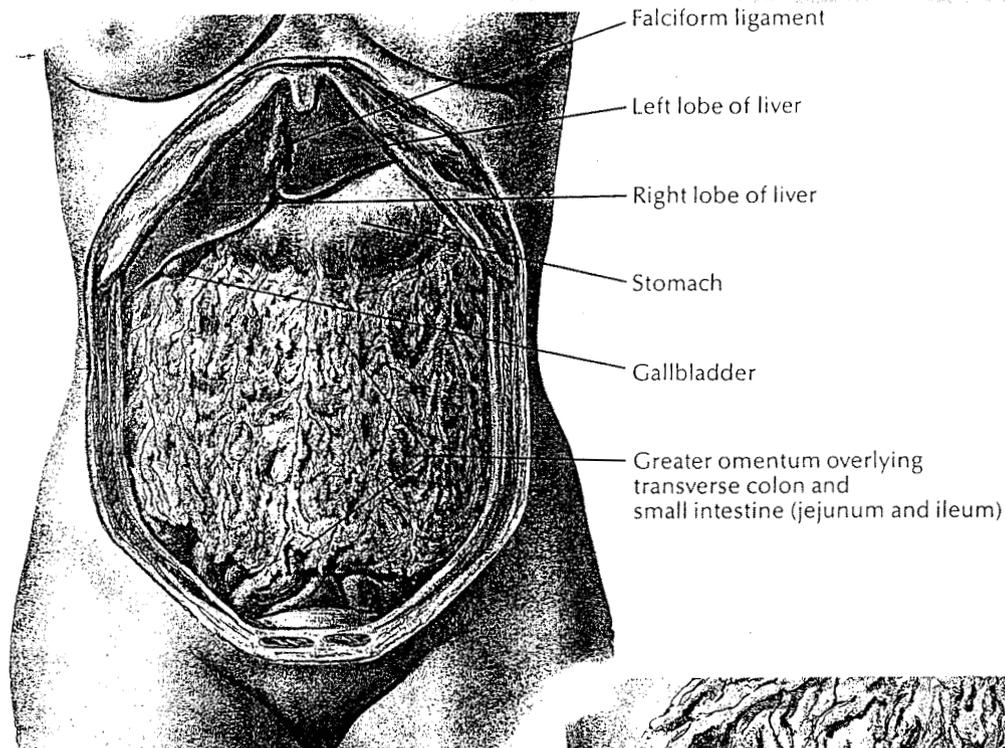


Course of the peritoneum (heavy black line) in a median sagittal section of a female,

**PLAINTIFF'S  
EXHIBIT**

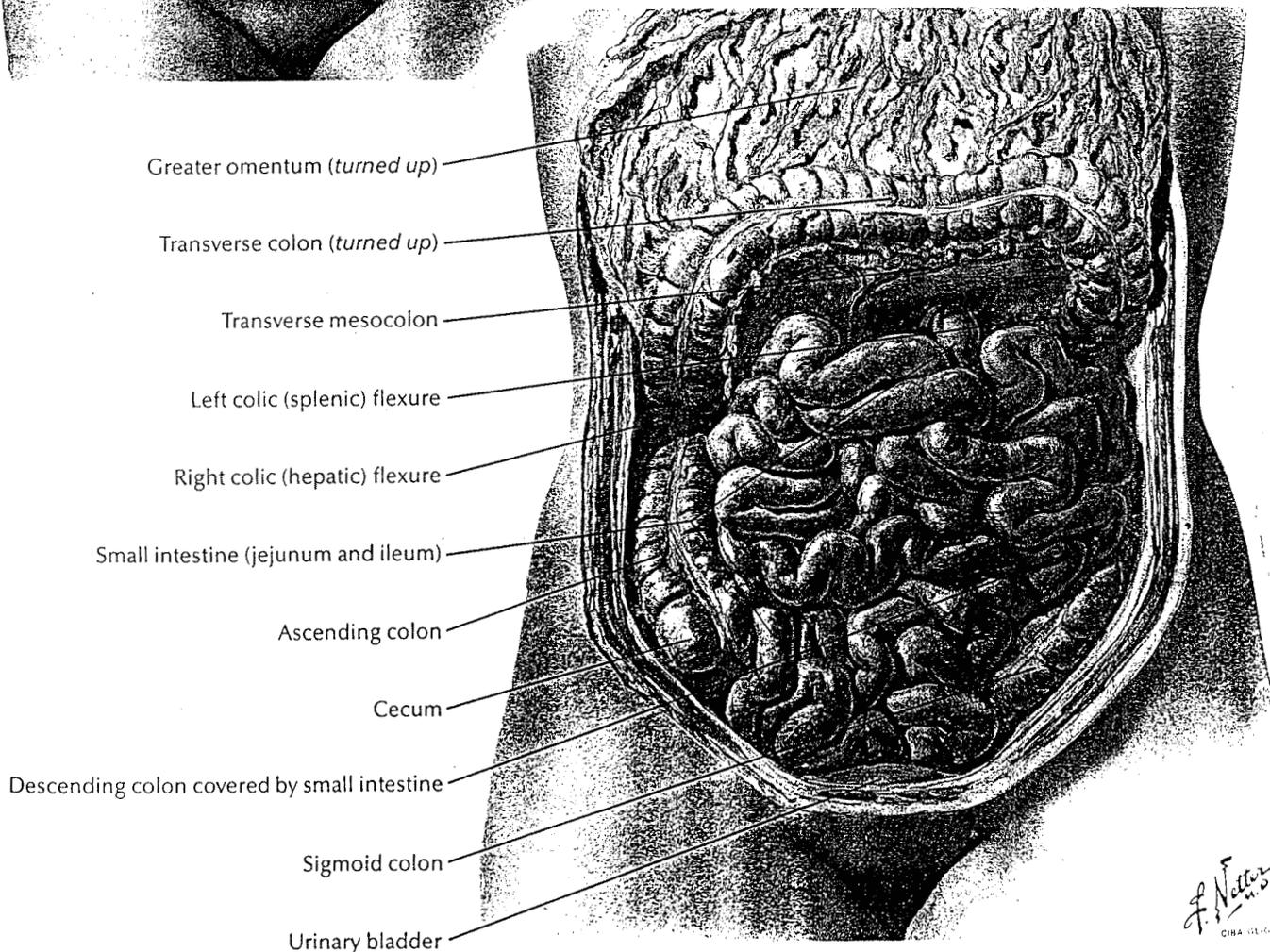
# Greater Omentum and Abdominal Viscera

EE ALSO PLATES 258, 3 32,333



**PLAINTIFF'S  
EXHIBIT**

2



*F. Netter M.D.*  
CIBA 115117

ATLAS OF  
HUMAN  
ANATOMY

FRANK H. NETTER, M.D.