

Transcript of
Peter Breggin, M.D.

Date: February 6, 2014

Volume: I

Case: Angel v. Segal, M.D.

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STATE OF ILLINOIS)

) SS:

COUNTY OF COOK)

IN THE CIRCUIT COURT OF COOK COUNTY, ILLINOIS
COUNTY DEPARTMENT - LAW DIVISION

LORRIE ANGEL, Plenary)

Guardian of MICHAEL)

ANGEL, a Disabled Person;) No. 09 L 003496

and LORRIE ANGEL,)

Individually,)

Plaintiff,)

vs.)

HOWARD MICHAEL SEGAL, M.D.,)

Defendant.)

EXCERPT REPORT OF PROCEEDINGS at the trial of
the above-entitled cause before the Honorable
ELIZABETH M. BUDZINSKI, Judge of said Court, on
February 6, 2014 at the hour of 1:30 p.m.

Reported By: MARLO RODRIGUEZ, CSR, RPR

License No.: 084-004254

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<p>1 APPEARANCES:</p> <p>2 BURKE, MAHONEY & WISE & KAVENY, by</p> <p>3 MR. FRANCIS P. MORRISSEY and</p> <p>4 MR. BRIAN T. MONICO</p> <p>5 161 North Clark Street, Suite 3250</p> <p>6 Chicago, Illinois 60601</p> <p>7 (312) 580-2040</p> <p>8 Representing the Plaintiff;</p> <p>9</p> <p>10 PRETZEL & STOUFFER, by</p> <p>11 MR. STEPHEN C. VELTMAN and</p> <p>12 MR. SCOTT L. ANDERSON</p> <p>13 One South Wacker Drive, Suite 2500</p> <p>14 Chicago, Illinois 60606</p> <p>15 (312) 346-1973</p> <p>16 Representing the Defendant.</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p>	<p>1 Q. What kind of physician are you, Doctor?</p> <p>2 A. I'm a psychiatrist.</p> <p>3 MR. MORRISSEY: Your Honor, may I approach?</p> <p>4 THE COURT: Yes, you may.</p> <p>5 BY MR. MORRISSEY:</p> <p>6 Q. Doctor, I will show you what's been</p> <p>7 marked Plaintiff's Exhibit 19 for identification.</p> <p>8 Can you please take a look at that and</p> <p>9 tell me is that a fairly accurate and up-to-date</p> <p>10 copy of your curriculum vitae?</p> <p>11 A. It is.</p> <p>12 Q. Is that a document that accurately</p> <p>13 memorializes your achievements and publications</p> <p>14 in psychiatry?</p> <p>15 A. It does, sir.</p> <p>16 Q. Where did you go to medical school,</p> <p>17 Doctor?</p> <p>18 A. Case Western Reserve in Cleveland.</p> <p>19 Q. After medical school, did you do any</p> <p>20 further training?</p> <p>21 A. Yes. I went to college at Harvard, and</p> <p>22 I spent a year back at Harvard Training Center</p> <p>23 and also at the State University of New York,</p> <p>24 Upstate Medical Center in Syracuse.</p>
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<p>1 (Whereupon, there were previous</p> <p>2 proceedings had that were not</p> <p>3 herein transcribed by the court</p> <p>4 reporter.)</p> <p>5 (Whereupon, the following</p> <p>6 proceedings were held in open</p> <p>7 court.)</p> <p>8 THE COURT: Call your next witness.</p> <p>9 MR. MORRISSEY: Plaintiff calls</p> <p>10 Dr. Peter Breggin to the stand.</p> <p>11 (Witness sworn.)</p> <p>12 PETER BREGGIN, M.D.,</p> <p>13 called as a witness herein, having been first</p> <p>14 duly sworn, was examined and testified as</p> <p>15 follows:</p> <p>16 DIRECT EXAMINATION</p> <p>17 BY MR. MORRISSEY:</p> <p>18 Q. Good afternoon, sir.</p> <p>19 A. Good afternoon.</p> <p>20 Q. Could you introduce yourself to the jury</p> <p>21 by telling us your name, please?</p> <p>22 A. My name is Peter Roger Breggin, MD.</p> <p>23 Q. You are a physician?</p> <p>24 A. I am, sir.</p>	<p>1 Q. Did you do an internship following</p> <p>2 medical school?</p> <p>3 A. Yes. That was in psychiatry and in</p> <p>4 medicine and that was my internship.</p> <p>5 Q. At what institution, Doctor?</p> <p>6 A. That was the State University of</p> <p>7 New York Upstate Medical Center.</p> <p>8 Q. Following your internship, did you do a</p> <p>9 residency?</p> <p>10 A. I did my first year at Harvard where I</p> <p>11 was also teaching fellows at Harvard Medical</p> <p>12 School and then I returned to the State</p> <p>13 University of New York Upstate Medical Center.</p> <p>14 Q. Can you tell the ladies and gentlemen of</p> <p>15 the jury just in general terms what a residency</p> <p>16 is?</p> <p>17 A. Well, in those days, when you finished</p> <p>18 medical school, you first did an internship</p> <p>19 usually in medicine. I was able to take half of</p> <p>20 mine in psychiatry. Then if you wanted to</p> <p>21 specialize in psychiatry, people generally took</p> <p>22 three more years of psychiatric training. I</p> <p>23 actually had three-and-a-half because I got a</p> <p>24 half of year in my residency.</p>

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1 Q. After completion of the residency, did
2 you begin the practice of psychiatry?
3 A. No. I went to the National Institute of
4 Mental Health for two years.
5 Q. Tell the ladies and gentlemen of the
6 jury about that experience.
7 A. Well, the National Institute of Mental
8 Health is the federal government's agency for
9 mental health and psychiatry. I was a lieutenant
10 commander in the public health service. And I
11 was considered a consultant in psychiatry at the
12 National Institute of Mental Health.
13 Q. After your completion of that
14 experience, what did you do next?
15 A. I went into a combination of private
16 practice and teaching and research and writing.
17 Q. For how long have you been practicing
18 psychiatry, Doctor?
19 A. Since my finishing at the National
20 Institute of Mental Health. I actually started
21 practice while I was there since 1968, a long
22 time now.
23 Q. Doctor, have you held any academic
24 appointments at universities across the country?

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1 A. I have.
2 Q. Can you tell the jury just a little bit
3 about that experience?
4 A. Early on, I taught at the Washington
5 School of Psychiatry. I taught in the counseling
6 departments, not the medical school, but the
7 counseling department at Johns Hopkins, at the
8 University of Maryland. I also taught at George
9 Mason University.
10 And for the last 10 years, I moved out
11 of Washington DC to live in Upstate New York as I
12 really like it there. And there I teach at a
13 state university in Oswego in the counseling
14 department.
15 Q. Is your current clinical practice your
16 office practice in Ithaca, New York?
17 A. Yes, it is, sir.
18 Q. Can you tell the ladies and gentlemen of
19 the jury what kind of practice it is?
20 A. Well, it's a combination. First, it's
21 the general practice of psychiatry. I see
22 children, but always with their parents because I
23 think their parents are the most important factor
24 in the lives of children.

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1 And I see adults. I do psychotherapy,
2 family therapy, and consultations. And I have a
3 subspecialty in clinical psychopharmacology; that
4 is, the affects of medications on people.
5 So I do consultations with people from
6 sometimes around the country both who have had
7 adverse medication affects or adverse affects to
8 shock treatment and even to lobotomy, which still
9 occasionally goes on. So I have become a
10 specialist in some of the harmful affects of the
11 physical treatments in my profession.
12 Q. We will ask you a little bit more about
13 that in a minute. Can you tell the jury what the
14 International Center for Study of Psychiatry is?
15 A. In the 1972, I decided -- I sort of just
16 got called into doing reform work. It began when
17 I found out lobotomy was coming back. I
18 conducted an international campaign to stop the
19 return of surgical -- it's really mutilation of
20 the frontal lobes of the brain. As a part of
21 that, I formed the International Center for the
22 Study of Psychiatry and Psychology to kind of
23 give me support in the reform. This is unpaid
24 voluntary reform work.

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1 My Board of Directors had a number of
2 congressmen on it; Louis Stokes, Ron Dellums, a
3 gentleman from Ohio, Steve Simms, because I was
4 working with the Congress to stop these
5 procedures. And we were very successful. That
6 took several years of my life. That started the
7 International Center for the Study of Psychiatry
8 and Psychology.
9 Then when my wife, Ginger, joined me in
10 about 1985, she really took over and made it into
11 something more than just a support group with an
12 occasional meeting, and we developed a journal
13 published by a medical -- big medical publisher.
14 Q. What's the name of the journal?
15 A. When I started, we called it the Journal
16 of Ethical Psychology and Psychiatry. And then
17 the name was changed, and I am actually blanking
18 on that right now.
19 Q. Is the Ethical Human Services --
20 A. It was Humans Services. We started with
21 Human Services and then it became the Journal for
22 Ethical Human Psychology and Psychiatry. I put
23 together a board of contributors of 50 or 60
24 people from around the world.

Page 10	Page 12
<p>1 Q. What kind of issues are dealt with in 2 the journal, Doctor? 3 A. Well, there are issues of ethics and of 4 science and of the profession monitoring itself. 5 It's one of the few journals specifically aimed 6 at let's take an honest look at problems we may 7 have in the profession, things we need to 8 improve, what are the frontiers we need to be 9 thinking about in delivering safe, effective and 10 ethical care to children and adult patients. We 11 also had annual meetings and newsletters and many 12 other things. 13 Q. Now, you mentioned that you have a 14 special interest in the pharmacology of medicines 15 as it relates to children; is that right? 16 A. Yes, sir. 17 Q. Let's talk about that. First of all, 18 how is it that you developed an interest in this 19 area? 20 A. Well, I became very concerned in 1980's 21 that my profession was more and more using 22 psychiatric drugs. When I was in my training, 23 you could go into a mental hospital for children, 24 and most of them would not be on psychiatric</p>	<p>1 about earlier today. 2 MR. ANDERSON: I am objecting and ask that he 3 move on because I think it's irrelevant. 4 MR. MORRISSEY: Okay. It's not irrelevant. 5 I'm asking him his specific experience with 6 pharmacology and children. This is the TD 7 antipsychotics. 8 THE COURT: Right. Why don't you go right 9 into that. 10 MR. ANDERSON: What other doctors are doing 11 really is inflammatory. 12 THE COURT: I think you are going to bring 13 that out on cross, aren't you? 14 MR. ANDERSON: No, I'm not. 15 THE COURT: He's on the outskirts. 16 MR. MORRISSEY: I will cut him off next time. 17 (Whereupon, the following 18 proceedings were held in open 19 court.) 20 THE COURT: You may proceed. 21 BY MR. MORRISSEY: 22 Q. Doctor, I think before we took that 23 brief break, we were talking about your interest 24 in pharmacology as it relates to children. I</p>
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<p>1 drugs. Gradually over the years, it changed so 2 much that you could go into a public school and 3 half the kids might be on psychiatric drugs 4 especially if they were problem kids in the 5 schools. 6 MR. ANDERSON: Your Honor, may I be heard? 7 THE COURT: Side-bar? 8 MR. ANDERSON: Yes. 9 THE COURT: Yes. 10 (Whereupon, the following 11 proceedings were held out of the 12 hearing and presence of the jury.) 13 MR. ANDERSON: Now his work in 1980's against 14 psychiatry is relevant? I have an objection to 15 relevance about what he's doing against the 16 profession and what other doctors might be doing 17 related to overprescribing medication. 18 THE COURT: Move on. But I thought that's 19 what you wanted to bring out in him. 20 MR. ANDERSON: But now he's opening the door 21 to getting into what he -- 22 THE COURT: Not the book. I told you you can 23 get into all of the subjects but without 24 referencing the book, everything that you spoke</p>	<p>1 would like to just focus your attention on the 2 issue of the use of antipsychotics in children 3 and the possible side effects, okay? Have you 4 studied that particular problem? 5 A. Yes. Starting in the 1970's, I began to 6 notice that the antipsychotic drugs were causing 7 tardive dyskinesia in children. 8 Q. Have you written any books on the 9 subject? 10 A. Yes. In 1983, I wrote a book called 11 Psychiatric Drugs, Hazards to the Brain. And 12 that book contained the first lengthy discussion 13 in a medical textbook of tardive dyskinesia in 14 children and brought together many scientific 15 articles that were already published and 16 evaluated them. 17 And I drew attention to it as being a 18 major issue and that the tardive dyskinesia was 19 at least as frequent in children as adults. That 20 was the beginning of my beginning to write about 21 the subject. 22 Q. Over the years, have you continued to 23 publish on the issue of antipsychotics for 24 children causing tardive dyskinesia?</p>

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1 A. Yes. A number of books -- just focusing
2 on the medical books after the 1983 book, around
3 1997, from a medical publisher again, I published
4 a book called Brain Disabling Treatments in
5 Psychiatry which again had perhaps five chapters.
6 All of the opening chapters are on antipsychotic
7 drugs. And there's quite a bit of attention to
8 tardive dyskinesia in several chapters and
9 there's a discussion of the affects on children.
10 That was then republished as a second edition in
11 2008.
12 And then in 2013, just last year, I
13 wrote a book called psych -- again, a medical
14 book. I have also written popular books,
15 Psychiatric Drug Withdrawal it's called. It's a
16 guide for prescribers, therapists, patients and
17 their families. And it has a section on tardive
18 dyskinesia as one of the reasons to withdraw
19 children and adults from psychiatric drugs.
20 Q. You presented to either physicians,
21 psychiatrists or lay people on the issue of
22 tardive dyskinesia being caused by
23 antipsychotics?
24 A. Yeah. I presented dozens and dozens of

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1 times to professional groups on the subject of
2 tardive dyskinesia, especially a number of years
3 ago when it was -- the need was there to get that
4 information out before doctors became aware of
5 it.
6 I gave a series of seminars at
7 St. Elizabeth Hospital, for example, which is the
8 big state mental hospital -- was big in
9 Washington DC. I gave a series for doctors at
10 Springfield Hospital.
11 In Maryland, I gave another single one
12 at Manhattan State Hospital in New York City.
13 But there were many, many of these and including
14 some Canada -- to a hospital in Canada and also
15 in Great Britain sometimes wholly about tardive
16 dyskinesia and sometimes about a number of
17 subjects including tardive dyskinesia.
18 Q. Has any government agency ever asked you
19 to consult on the issue of antipsychotics and
20 their side effects?
21 A. Well, the FFA asked me to consult on
22 antidepressant drugs, not on tardive dyskinesia.
23 But I have spoken at the National Institute of
24 Mental Health and the National Institute of

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1 Mental Health talks -- that also had talks on
2 tardive dyskinesia. Those are government
3 agencies.
4 Q. Do you have any -- have you written in
5 peer review journals, Doctor?
6 A. Yes. Probably more than 40 publications,
7 scientific publications, in peer review journals.
8 Q. Would those publications have been
9 related to the issue of tardive dyskinesia?
10 A. Well, three of them going back a number
11 of years when people really needed the
12 information, three of them deal in some depth
13 with the antipsychotic drugs. They focus
14 entirely on the antipsychotic drugs.
15 Q. What are the names of those journals?
16 A. Oh, gosh. One is Mind and Behavior. Y
17 are giving me an old memory test here going back
18 a long way. Oh, gosh. I have got them in my --
19 Brain and Behavior. One is Brain and Behavior.
20 I forget the other two.
21 Q. But suffice it to say, tardive
22 dyskinesia as a side effect to antipsychotics is
23 very much a part of your current practice?
24 A. Oh, yes. In my current practice, I do

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1 consultations on the subject on a regular basis.
2 Q. In the Ithaca area or outside of Ithaca?
3 A. Well, most people -- people come to
4 Ithaca if they want to have a consultation.
5 Q. Are these children who have tardive
6 dyskinesia from elsewhere in the country?
7 A. Yes. Some of them are for medical-legal
8 cases, and some are just consultations with
9 parents wanting to know, you know, what's
10 happening to my child. And even in the small
11 community I come from, I see children
12 occasionally with tardive dyskinesia and attempt
13 to withdraw them from the drugs that are causing
14 it.
15 Q. The jury has already heard a little bit
16 about antipsychotics and what they are. And can
17 you tell the jury just in general terms what an
18 antipsychotic medication is?
19 A. Well, the antipsychotic medicines are
20 not really specific necessarily for psychosis.
21 Almost all of them have in common that they block
22 the function of a major nerve trunk that starts
23 deep in the brain in an area called the basal
24 ganglia and spreads up into the frontal lobes of

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1 the brain. That's the newly evolved part of our
2 brain that gives us a forehead unlike the
3 animals.
4 Q. Doctor, would it be helpful if you would
5 use the easel to explain to the jury about the
6 function of dopamine in the brain?
7 A. Yes. And how the drugs affect it.
8 MR. MORRISSEY: Your Honor, may he step down?
9 THE COURT: Yes, he may. You may step down.
10 Mr. Morrissey, will you have Dr. Breggin
11 face this way so the court reporter can hear?
12 THE WITNESS: I will have to move just once
13 because I'm used to drawing from the other side.
14 THE COURT: Just so long as she can hear.
15 THE WITNESS: I am going to draw you the side
16 of the brain, so it would be like you are looking
17 at me. And I'm going to show you a cut across
18 that brain. And I will do that in black. So
19 here is a brain.
20 Now, this is up in here, the frontal
21 lobes. So you can look at my head, my forehead.
22 That's my forehead. The head is coming around
23 like this, and you are looking at it sideways.
24

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1 BY MR. MORRISSEY:
2 Q. Now, let me ask you, you mentioned
3 dopamine. Dopamine is a neurotransmitter did you
4 say?
5 A. Yes.
6 Q. Is it a hormone?
7 A. No.
8 Q. Where is it produced in the brain?
9 A. Dopamine is produced deep in the brain
10 in a place called the basal ganglia. It has
11 several parts that I won't trouble you with.
12 So all that -- if you can remember back
13 to biology, a nerve has a body, and it reaches to
14 other nerves along a nerve fiber called an
15 axilla. So the body is here, but it's reaching
16 so that its electrical impulses going right along
17 like that from the nerve body to where it's
18 going, stimulate where it's going.
19 Q. Dopamine among other things helps
20 control the movements?
21 A. Well, yes, because the basal ganglia are
22 in center. So if you see people with Parkinson's
23 disease, if they're having trouble moving, they
24 have damage in the basal ganglia. If you see

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1 someone with Huntington's chorea and they're
2 flailing around a bit, there's damage in the
3 basal ganglia.
4 So the basal ganglia are central to
5 movements that are supposed to be under our
6 control. Damage releases the movements that are
7 not under our control anymore. And I will show
8 that to you.
9 Now, so let me draw how the nerves go.
10 It goes up to the frontal lobes. So that should
11 tell you also that this is not just a movement
12 area, it's also got to do with your thinking
13 processes indirectly because these projections
14 are going all the way up into your highest
15 thinking center.
16 Q. The antipsychotic medication we also
17 were told is a dopamine blocker; is that right?
18 A. That's right.
19 Q. What does that mean?
20 A. Well, it means that the medications,
21 pretty much all of them that are used are called
22 antipsychotics. They all block the normal
23 function of dopamine. And it's the normal
24 function because it will block it in any human

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1 being even used in veterinary medicine.
2 So the affect of the drug is not
3 dependent on who you are and whether you have a
4 mental disorder or not. These are chemicals.
5 They're blocking normal functions in the brain.
6 And dopamine blocks -- I mean, the antipsychotic
7 drugs, Risperdal is one in this case. Zyprexa is
8 another in this case. They block this major
9 pathway that's going to the brain, the front of
10 the brain.
11 That immediate result is that people or
12 animals become quieted down. They don't have
13 their energy source. Think of them as diffused.
14 This is like some of the input is gone.
15 MR. ANDERSON: Your Honor, I have an
16 objection to the veterinary medicine component.
17 THE COURT: Yes. Just focus on human
18 medicine.
19 THE WITNESS: Okay.
20 BY MR. MORRISSEY:
21 Q. That interruption, that interruption or
22 blocking of the dopamine, does the brain react
23 favorably to that, Doctor?
24 A. No. Well, the first thing that happens

<p style="text-align: right;">Page 22</p> <p>1 is the slowing down. Everything gets slowed down 2 in the movements and everything gets slowed down. 3 Also thinking gets slowed down. 4 There's a slowing down -- we speak of 5 the person becoming indifferent, less energized, 6 deactivated, maybe apathetic, slower. But the 7 brain views this as a very severe disruption. 8 So what happens here in the basal 9 ganglia is they start to get more excited. I'm 10 just making little stars here. Obviously it's 11 just a symbol. The nerves are saying we have to 12 power up. We have to power up. We have to power 13 up the big block. That power up you can actually 14 measure on certain kinds of MRIs and other 15 studies because things actually get more dense 16 down here as it powers up. 17 Q. As a result of the hyperactivity and 18 powering up as you say of the dopamine and the 19 brain, what happens? 20 A. Well, two things happen; one is what you 21 have been hearing about, tardive dyskinesia, 22 tardive akathisia. These are all movements that 23 are breaking out as this powers up because it's 24 being blocked. It's powering up because it's</p>	<p style="text-align: right;">Page 24</p> <p>1 feelings which are somehow relieved by moving. 2 And that combination of the inner 3 emotional pain and suffering and the movements 4 which are attempting to relief it, the person may 5 not even know they're doing it, they just know 6 they're moving. When they don't move, they feel 7 that pain. That's tardive akathisia. It's a 8 form of tardive dyskinesia that many patients 9 describe as being like torture from the inside 10 out. Even mild cases disrupt the ability to sit, 11 disrupt the ability to go to work, disrupt the 12 ability to sit down and relate to somebody. 13 Now, when you remove the blockage, you 14 stop the drugs. And now we don't have the 15 blockage anymore. I'm going to say we move the 16 blockage. I'm going to leave some of it up. 17 What happens? If caught early enough, this may 18 simmer down. And you may have little or no 19 obvious manifestations of tardive dyskinesia, but 20 the longer and the higher the doses, but 21 particularly the longer the exposure, we have 22 many scientific studies on this, I mean, many, 23 the longer the exposure, the more likely this 24 will never simmer down.</p>
<p style="text-align: right;">Page 23</p> <p>1 being blocked. 2 So it just occurred to me it's like say 3 your wheels aren't digging in. You start 4 powering your engine up and start revving up. 5 This thing starts revving up. That affects 6 normal movements. It affects especially 7 children. We see these abnormal behaviors. The 8 system is just pushing so the child is 9 emotionally out of control and physically out of 10 control as a result of this revving up of tardive 11 dyskinesia. 12 Q. Tardive dyskinesia, the jury has heard a 13 lot about it already, but it is what in a 14 nutshell? 15 A. Well, tardive dyskinesia is the abnormal 16 movements sometimes with abnormal emotional 17 states that are produced by dopamine blocking 18 drugs. It's as simple as that. 19 Q. Tardive akathisia? 20 A. Tardive akathisia is one of the forms of 21 tardive dyskinesia in which the body is driven to 22 move, but it's driven by a mental component of 23 anguish. The person who has tardive dyskinesia 24 is experiencing very painful, indescribable</p>	<p style="text-align: right;">Page 25</p> <p>1 So your goal if you see anything like 2 this developing is to stop the drug as quickly as 3 possible. People can even be put in the hospital 4 and stopped overnight. There's no problem 5 stopping the drug, although it will produce a 6 withdrawal reaction. You want to stop the drug 7 and hope this simmers down. But when you have 8 been on the drug for 2, 3, 4, 5 years, the odds 9 become that it won't ever fully simmer down. 10 Q. Is one of the risk factors for 11 developing tardive dyskinesia the length at which 12 the blockade exists? 13 A. The length of time, the length of time. 14 In fact, in the state mental hospitals when this 15 was discovered where people are on these drugs 16 for a long time, it was found that 50, 60, 80 and 17 even 90 percent of patients had some signs of 18 tardive dyskinesia because they have been on it 19 for 10-15 years. 20 Q. Is another one of the risk factors for 21 developing tardive dyskinesia, Doctor, the dosage 22 at which the antipsychotic is prescribed? 23 A. Well, common sense would say the more of 24 the offending agents you have and higher doses,</p>

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1 and that is found, but not as consistently, it's
2 definitely a factor, but the consistent factor is
3 length of exposure. That's the one. And of
4 course, it's the easiest one to study. If you
5 try to study doses over 20 years in a patient,
6 you can't even find the records. But you can
7 find that they have been on it for 20 years.
8 It's much easier to study length of exposure than
9 doses of exposure. So length is really
10 documented very heavily, dosage also.
11 Q. Thank you.
12 Doctor, just a couple more questions
13 about TD. Did you say that the sooner you
14 diagnose tardive dyskinesia, the better the
15 chances of reversing the effects of it?
16 A. Yes, very definitely.
17 Q. Are there scales or tests that you as a
18 psychiatrist can use in terms of evaluating a
19 patient for tardive dyskinesia?
20 A. Yes.
21 Q. Are these tests, are they utilized by
22 psychiatrists like yourself?
23 A. Yes. Since 1970's, there's been a scale
24 called AMIS, the Abnormal Movement Inventory

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1 Scale. Its main purpose is for the doctor to
2 have a place to write everything down and make
3 sure he's looked at everything.
4 Q. Let me show Plaintiff's Exhibit 60 if I
5 could.
6 Is this the AMIS scale that you were
7 referring to, Doctor?
8 A. Yes.
9 Q. Can you just take us through how to use
10 this AMIS scale in evaluating a patient for
11 possible TD?
12 A. I don't think we can read that. There
13 you go. Again, the purpose is to focus the
14 doctor's attention so he/she are remembering to
15 look at everything. Another purpose is for the
16 doctor and anybody else who is involved in the
17 case to be able to go back and say look at what
18 the checklist was in July, now we are in
19 September. We got more checks. So it's a
20 recording system, but the doctor has to know what
21 he or she is looking for.
22 So muscles of facial expression, it says
23 movements of the forehead, eyebrows, periorbital,
24 that's around the eye, cheeks including frowning

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1 and blinking, smiling and grimacing. Then you
2 check it off whether it's none or minimal which
3 is borderline, mild, moderate to severe.
4 Q. Then if you go to the right side of the
5 chart or the test, it relates to extremities,
6 trunk movements?
7 A. Yes.
8 Q. So you are not only looking at the face,
9 are you?
10 A. No. If you go back, you will see the
11 special focus on the mouth because some of the
12 very earliest signs, not always, but some of the
13 very earliest signs are abnormalities of the
14 tongue so much so that the tongue gets its own
15 section. You know, why is that? Well, that's
16 because of a third to half of the cases are going
17 to show up early on with tongue problems.
18 So you have to know about the tongue
19 movements, tongue thrusting, tongue going in the
20 cheek, tongue getting in the way of talking.
21 Tongue is really critical. So the doctor has to
22 actually have the patient open their mouth. This
23 is not -- this is before you have ever seen any
24 TD in the patient. This is to find the TD, not

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1 afterward.
2 To find the TD, the doctor has to open
3 the patient -- ask the patient to open their
4 mouth. And then you may need a flashlight or a
5 good light, and you look in the mouth and look
6 for tremors and squirming and the tongue will
7 actually go back on the roof of the mouth. It's
8 the most amazing thing to see in a person, this
9 happening to them. And they may not know it
10 other than maybe their speech is a little off or
11 they are having trouble moving food around in
12 their mouth. So you have to look because the
13 patient may never realize what's going on.
14 And then you should look at them with
15 the mouth open and then with the tongue
16 protruding and you should also do what's called
17 an activation movement, when people do something
18 to distract themselves like a movement like one
19 of them is where we tap the fingers like this,
20 you do an activation movement, you will notice,
21 look, he's starting to blink his eyes, he's not
22 focused anymore, keeping his face under control.
23 He is blinking his eyes or he is sticking his
24 tongue out. While you are doing something like

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1 looking at the tongue, it's best to do an
2 activation movement as well.
3 Q. You are looking at the face, the
4 extremities, basically a head-to-toe examination?
5 A. Yes.
6 Q. Is that fair?
7 A. Yes. There's usually probably an
8 instruction at the bottom to take off shoes. I
9 don't know -- this particular one may not have
10 that. I'm just not sure.
11 Q. How long would it take to perform this
12 test?
13 A. You know, if you know what you are
14 doing, it doesn't take more than 10 minutes. You
15 know, it doesn't fit very well into a 15-minute
16 med check, but 10 minutes maybe.
17 Q. This AMIS test is specifically designed
18 to ferret out or to determine if a patient has
19 TD, right, or abnormal movements?
20 A. To have abnormal movements and then to
21 see it over time. So you do it each time. Many
22 clinics require a doctor to fill it out every
23 visit. You can actually go back and say, wait a
24 minute, we are getting more and more of this

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1 stuff.
2 Q. Plaintiff's Exhibit 61, this is
3 something called the Barnes Akathisia Rating
4 Scale. You are familiar with this as well?
5 A. Sure.
6 Q. Is this like the AMIS scale that we just
7 looked at, Doctor?
8 A. Yes. It serves the exact same purpose
9 except it wants to focus on movements that are
10 really driven and rapid movements, you know,
11 slapping your hands on your body. Toe tapping is
12 a really big one. People actually wear leather
13 out of their shoes it gets so bad. Pacing, very,
14 very, very common, pacing fast and hard, looking
15 strange.
16 All of those things if you are on an
17 antipsychotic drug, you have to right away,
18 think, wait, wait, you know, this could be
19 tardive dyskinesia or it's variant tardive
20 akathisia.
21 Q. Doctor, you have reviewed Dr. Segal's
22 office records in connection with your opinions?
23 A. Yes.
24 Q. And review of the case?

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1 Did you see anywhere in Dr. Segal's
2 records either an AMIS scale or Barnes scale that
3 had been completed on this patient, Michael
4 Angel?
5 A. No, nor did I see notes that would
6 indicate he had done an exam either.
7 Q. We will get to that in a little bit more
8 detail in a minute. But in terms of this case,
9 you understand you conducted what's called a
10 medical-legal review?
11 A. Yes, sir.
12 Q. When did you start doing this kind of
13 work medical-legal work, Doctor?
14 A. Oh, my gosh. I think I was a resident
15 in psychiatry when I had to go to court and
16 comment on one of my own patients. So this goes
17 back to the late 60's, but I became most heavily
18 involved in the early 1990's when the court
19 appointed me to be the expert for over 150
20 lawsuits regarding the antidepressants, lawsuits
21 against Eli Lilly for cases where allegedly
22 Prozac had caused violent suicide, mayhem.
23 So when that happened, when I was asked
24 to be the scientific expert for maybe 50

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1 different lawyers and couple hundred cases that I
2 really began to do this work.
3 Q. You have acted as an expert in cases
4 involving tardive dyskinesia?
5 A. Many. Yes, sir.
6 Q. Can you give a percentage breakdown for
7 the jury in terms of how many of those cases were
8 for the plaintiff versus defendant?
9 A. All of them are for the plaintiff
10 because that's who asks me. I would love to
11 do --
12 MR. ANDERSON: Objection, your Honor,
13 foundation.
14 THE COURT: Overruled.
15 BY MR. MORRISSEY:
16 Q. Were you finished with your answer?
17 A. Yes. Just since it got interrupted, all
18 of them as far as I can recall in this area are
19 for the plaintiffs because my expertise is in the
20 damage being done and in the standards of care.
21 Q. Do you charge for your time, Doctor?
22 A. Yes, I do.
23 Q. On an hourly basis?
24 A. Yes.

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1 Q. Can you tell the jury what those are?
2 A. It's \$500 an hour.
3 Q. Now, did I supply you with Michael
4 Angel's medical records from Dr. Segal?
5 A. Yes, you did.
6 Q. Then did I send you some more materials,
7 Doctor?
8 A. Yes.
9 Q. Would that have included the deposition
10 of Lorrie Angel?
11 A. Yes, sir.
12 Q. The deposition of Dr. Segal?
13 A. Yes.
14 Q. Deposition of Dr. Cabusao and
15 Dr. Larsen?
16 A. Yes. Yes.
17 Q. And did you review those materials when
18 they came to you?
19 A. Yes.
20 Q. Did you review medical records of
21 Dr. Cabusao who is Michael's current treating
22 psychiatrist?
23 A. I did, sir.
24 Q. Have you reviewed Dr. Larsen's records

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1 of the treating neurologist?
2 A. I did.
3 Q. If you offer opinions to this jury,
4 Dr. Breggin, can I get your assurance that the
5 opinions will be offered to a reasonable degree
6 of psychiatric certainty based on your review,
7 your education and your experience?
8 A. Yes. Psychiatric or medical certainty,
9 yes.
10 Q. Have you formed opinions in this case to
11 a reasonable degree of medical certainty
12 regarding whether Dr. Segal complied with the
13 standard of care?
14 A. I have, sir.
15 Q. Do you believe that he complied with the
16 standard of care applicable to him?
17 A. No.
18 Q. Do you believe that Dr. Segal was
19 professionally negligent during the near 3 years
20 that he treated Michael Angel?
21 A. Yes, sir.
22 Q. Did the failure of Dr. Segal to comply
23 with this applicable standard of care cause
24 injury to Michael Angel?

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1 A. Yes, sir.
2 Q. Can you tell the jury what that injury
3 is?
4 A. Well, it's life-long tardive dyskinesia
5 and tardive akathisia which is being suppressed
6 by large doses of antipsychotic drugs because if
7 you keep raising the dose, you keep renewing that
8 blockade that I described to you. So you
9 increased the blockade again. Then it breaks
10 through. You increase the blockade again. So
11 he's in a cycle where he's going to need
12 increasing doses to blockade. And this is only
13 done in extreme circumstances where you need to
14 suppress the tardive dyskinesia. And then it's
15 going to be increasing problems from being on
16 these antipsychotic drugs.
17 Q. We will get into this. Do you recall
18 when the first time Michael and Dr. Segal met?
19 Was that in February of 2005?
20 A. Yes, sir.
21 Q. Can we show the -- Doctor, is it your
22 understanding based on your review of records
23 that Michael was referred to Dr. Segal for
24 medication management?

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1 A. Yes, sir.
2 Q. He first saw Michael on February 4th,
3 2005?
4 A. Yes, sir.
5 Q. At that time did he conduct an
6 assessment of Mike?
7 A. Yes. Well, yes. He says he conducted
8 an assessment.
9 Q. The assessment is in the records?
10 A. Yes, sir.
11 Q. Was Mike on any medication at the time?
12 A. Oh, yeah. He was on Risperdal and he
13 was on Paxil.
14 Q. Now, did Dr. Segal put him on the
15 Risperdal or the Paxil?
16 A. No. The patient came to -- Michael came
17 to him on both of those drugs.
18 Q. When a patient comes on medication to a
19 new psychiatrist, is that psychiatrist to be
20 compliant with the standard of care? Is that
21 psychiatrist obliged to reinform or inform the
22 mom in this case because she's acting for her
23 child about the risk and benefits of an
24 antipsychotic medication like Risperdal?

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1 A. Yes, he is.
2 Q. To comply with the standard of care,
3 what did Dr. Segal need to say?
4 A. Well, when we go to a doctor, you know,
5 as a reasonable person, we have the right to know
6 the information that we are going to think is
7 important to the safety and effectiveness of the
8 drug.
9 So a person needs to have the
10 information that a reasonable human being would
11 want to know about the risks and the dangers, the
12 effectiveness, the alternative treatments, and
13 with a lot of emphasis when you are using such a
14 powerful drug on the risks. We all would want to
15 know the risks. That's the standard what a
16 reasonable person would be and would want to
17 know.
18 Q. You reviewed Dr. Segal's records. Did
19 he chart anywhere that he had a discussion with
20 Mrs. Angel about the risk and benefits and the
21 potential side effects of Risperdal?
22 A. No.
23 Q. To comply with the standard of care, did
24 Dr. Segal have to tell Mrs. Angel that the use of

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1 Risperdal was an off-label use of the drug?
2 A. Yes, sir.
3 Q. Why is that?
4 A. Well, the FDA sets up standards. And
5 under the law, those standards are for the safe
6 and effective use of the drug. So they approve a
7 drug. It means that in the judgment of the FDA
8 working with the drug company, the drug is safe
9 and effective to use.
10 If the drug is used off label, it hasn't
11 gone through the process of being studied for
12 safety and effectiveness. Now, many doctors make
13 judgements that a drug may be useful to their
14 patients off label. For example, an antibiotic
15 might be approved for one kind of pneumonia and
16 the docs find out, it's useful for other
17 pneumonias. There's nothing wrong in itself to
18 use a drug off label. But when you are using a
19 very powerful drug off label in a child not
20 approved for children at that time, the parent, a
21 reasonable parent, would want to know that. You
22 are using a drug that was developed for
23 schizophrenic adults and indeed they are tested
24 on people who have schizophrenia for years and

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1 years. A parent would want to know that.
2 Q. Did the standard of care require
3 Dr. Segal to inform Mrs. Angel that one of the
4 potential side effects of the drug was tardive
5 dyskinesia?
6 A. Yes.
7 Q. Did it oblige Dr. Segal to actually use
8 the words tardive dyskinesia?
9 A. Yes.
10 Q. Why?
11 A. Well, if you just say as he did -- says
12 he said at his depo, that he mentioned movement
13 disorder I think is what his words were or
14 something close to that, that could mean many
15 different things. It could mean the stereotypies
16 of autism. It could mean anything that would be
17 in the imagination or not in the imagination.
18 But if the doctor says tardive
19 dyskinesia, then the reasonable person can
20 actually Google it, which people do all the time
21 now, and look it up and discover what it is and
22 understand it. And secondly, it needs to make
23 clear that this is a very specific threat of this
24 drug called tardive dyskinesia and then to

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1 describe it.
2 Q. Did the standard of care require
3 Dr. Segal to actually describe what those
4 abnormal movements associated with tardive
5 dyskinesia actually looked like?
6 A. Yes. There's two reasons why the parent
7 needs to know what the movements look like; one,
8 in order to decide whether she wants to subject
9 her son, Michael, to the risk. But there's
10 another reason, if she goes along with the drug,
11 approves the drug being given, you want her, who
12 is going to be with the boy every day, to know
13 what the symptoms look like in order to
14 immediately recognize them and call the doctor
15 because as I mentioned earlier, the sooner you
16 recognize the symptoms and stop the drug, the
17 more likely that they may just go away entirely.
18 It's not uncommon in children for them literally
19 to disappear never to be seen again.
20 So since the parent is the one who is
21 going to be seeing the child, in this case, every
22 day compared to the doctor who may see the child
23 once a year as he did or once every six months as
24 he did, the parents got to know what to look for.

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1 So those are two reasons; one, so the
2 parent could decide is this the drug I want my
3 child to have or do I not want to risk tardive
4 dyskinesia. And having agreed to the drug, the
5 parent needs to be able to identify what this is
6 the moment it happens.
7 Q. Based on your review of Dr. Segal's
8 deposition and his records, you are aware that
9 Dr. Segal mentioned the possibility of abnormal
10 movements, to be on the lookout for them
11 associated with Risperdal?
12 A. Yes. That's what he says he did.
13 Q. Was that a deviation from the standard
14 of care in simply saying abnormal movements?
15 A. Yes. It was for the reasons I said.
16 Q. Was it also incumbent or obligation of
17 Dr. Segal to tell mom that tardive dyskinesia can
18 become a permanent condition?
19 A. Yes. Absolutely. I mean, that's the
20 real risk here is that you end up having this for
21 the rest of your life.
22 Q. Why is that? Why did she have to say --
23 why did Dr. Segal have to use those words,
24 tardive dyskinesia can be a permanent condition?

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1 A. Because it's incredibly important
2 information for the parent to have or the young
3 adult to have in order to make a judgment of the
4 risk of taking the drug.
5 Q. Based on your review of Dr. Segal's
6 deposition and all of his office records, did you
7 see any mention of Dr. Segal ever telling
8 Mrs. Angel, A, that this antipsychotic was being
9 prescribed off label?
10 A. No.
11 Q. That this antipsychotic could cause a
12 permanent movement disorder called tardive
13 dyskinesia?
14 A. No.
15 Q. And to be on the lookout, mom, for
16 abnormal movements of the face and of the arms
17 and extremities?
18 A. No.
19 Q. Was that a deviation from the standard
20 of care?
21 A. Yes.
22 Q. Do you also have an opinion, Doctor, to
23 a reasonable degree of psychiatric and medical
24 certainty whether or not Dr. Segal deviated from

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1 the standard of care in his failure to monitor
2 Michael Angel while he was on antipsychotic
3 medications?
4 A. Yes.
5 Q. And tell the jury what your opinion is
6 in that regard.
7 A. Well, in his own signed standard for how
8 his practice operates, he says, you know, I have
9 to be able to see you every three months, leave
10 some room for an exception, but every three
11 months you need to come in and be seen if you are
12 going to be on medication.
13 Well, in general you need to come in and
14 be seen every three months. If you are getting
15 an antipsychotic drug, the most dangerous drug,
16 class of drugs, then you surely have to come in
17 every three months or shorter. So he deviated
18 from his own set standard by going at 1.6 months
19 and another point a year.
20 Q. What did the standard of care require of
21 him? How frequent was he required under the
22 standard to have frequent visits to monitor
23 Michael Angel for adverse drug effects of the
24 antipsychotic?

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1 A. Well, I think his own signed standard
2 was adequate. I would want it more often, but
3 every three months unless you got some real
4 reason to suspect it's happening.
5 Q. Can we look at that office policy? Is
6 this what you are referring to, Doctor? It's
7 Plaintiff's 2.3?
8 A. Yes.
9 Q. I believe it's Paragraph No. 5. It
10 says, quote, the minimum frequency of visits for
11 routine medication management is every three
12 months unless we have made other arrangements.
13 Did I read that correctly, Doctor?
14 A. Yes, sir.
15 Q. Based on your review of the deposition,
16 did you review Mrs. Angel's deposition?
17 A. Yes.
18 Q. You reviewed Dr. Segal's deposition.
19 Any talk of an arrangement different from this
20 one?
21 A. No. There was no discussion of an
22 arrangement, but honestly, counsel, if there had
23 been an arrangement, it would have been wrong
24 because that's the minimum. And on an

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1 antipsychotic drug in a child who has been on it
 2 for years, you don't want the minimum. You want
 3 the most stringent. So there could have been no
 4 arrangement that would have been ethical or
 5 proper.
 6 Q. Then the office policy goes on, if it
 7 has been more than six months since our last
 8 visit, your case will automatically be closed.
 9 Did I read that correctly?
 10 A. Yes, sir.
 11 Q. Based on your review of the depositions
 12 and the office records of Dr. Segal, did this
 13 patient go more than six months without being
 14 seen in the office?
 15 A. Yes. The patient went a whole year.
 16 Q. Pardon?
 17 A. A whole year, sir.
 18 Q. Was that a deviation from the standard
 19 of care to let a patient, a child who is on
 20 antipsychotics, go a full year without being seen
 21 in the office?
 22 A. Yes, sir, it was a deviation.
 23 Q. What harm would that cause?
 24 A. Well, the whole issue is to be able to

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1 catch tardive dyskinesia early on to stop the
 2 drug the sooner, the better. And indeed when the
 3 person has been on this many years, to be seeing
 4 the patient with the goal of removing them from
 5 the drug because the risk of tardive dyskinesia
 6 is escalating each year in adults. The rates of
 7 tardive dyskinesia are 5 to 8 percent a year. We
 8 are talking about huge rates.
 9 So at 3 years, you have a 15 percent
 10 risk in adults or more, 20 percent risk in
 11 adults. There are multiple scientific studies on
 12 this, multiple, multiple authoritative resources
 13 saying high, high rates. And they accumulate.
 14 So your risk goes up and up with each other year.
 15 So you get a youngster like this who has been on
 16 for several years, you have to be monitoring and
 17 attempting to remove from the drug unless you
 18 have some really overriding reason not to, not to
 19 remove them. You still have to monitor.
 20 Q. Hypothetically, if a psychiatrist
 21 decided to rely on mom to report any changes
 22 instead of getting the patient back in every
 23 three months, hypothetically, would that be
 24 compliant with the standard of care?

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1 A. No. For several reasons; first, mom
 2 can't do the AMIS scale routine. I mean, she
 3 doesn't know about looking at the walking and
 4 making a quick move and the other things we know,
 5 standing, sticking your arms out and arms up and
 6 down and opening your mouth and do some
 7 activation movements with your tongue out. She's
 8 not going to be able to do all of that. That's a
 9 very critical reason why.
 10 And secondly, I mean, the physician is
 11 the one who knows what this stuff looks like or
 12 should know what this stuff looks like. It's
 13 very easy for the family to think it's just
 14 nerves or nervousness. Case after case I have
 15 seen, not necessarily just legal cases, just case
 16 after case, the person starts to get some strange
 17 movement and the family thinks it's crazy.
 18 I remember a boy sitting my office, his
 19 arms going up. And the mom is saying put your
 20 arms down. I said, mom, he doesn't even know
 21 he's raising his arm. He is talking to us and
 22 his arm is going up. So the family thinks
 23 usually that it's just weird. And it's extremely
 24 important for the doctor to be looking at the

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1 patient.
 2 Q. Let's go to that first visit with
 3 Dr. Segal on February 2005. Do you recall
 4 whether or not he had gotten a report about
 5 Mike's behavior at school?
 6 A. Yes, he had.
 7 Q. Take a look at that. This is
 8 Plaintiff's 2.4. You have seen this before,
 9 Doctor, right?
 10 A. Yes, I have.
 11 Q. Is this a document that was contained in
 12 Dr. Segal's file?
 13 A. Yes. You can see it's dated a couple
 14 days before.
 15 Q. February 2nd, right?
 16 A. Yes.
 17 Q. Anything on this report that would be
 18 indicative of either tardive dyskinesia or
 19 tardive akathisia?
 20 A. Well, there's a discussion of his
 21 jumping around and his moving I think is in here
 22 somewhere.
 23 Q. How about the first paragraph --
 24 A. Let me catch up with you here.

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<p>1 Q. How about the first paragraph, the 2 second sentence begins other times, are you with 3 me, Doctor? 4 A. Yes. 5 Q. It says other times his behavior seems 6 to be out of his control. He appears unhappy and 7 anxious? Do you see that? 8 A. Yes. Jumping around is from somewhere 9 else. The out-of-control behavior, that could be 10 behavior, but that could be the boy can't stop 11 himself from moving. 12 Q. What is that, Doctor, when you can't 13 stop yourself from moving? 14 A. If he couldn't stop himself, it would be 15 tardive dyskinesia. It doesn't tell you it's 16 tardive dyskinesia, but it should get you 17 thinking. 18 Q. I think later on it talks about -- 19 A. Slapping his hands on his legs. 20 Q. What is that indicative of, the slapping 21 of the legs? Tell the ladies and gentlemen of 22 the jury what that is. 23 A. Well, again, it's indicative of tardive 24 dyskinesia. It doesn't by itself tell you</p>	<p>1 tardive akathisia being caused by antipsychotics? 2 A. He was not. 3 Q. I would like to go to June 2006, where 4 there's a report of seizure-like activity. Do 5 you remember that, Doctor? 6 A. Yes. 7 Q. This is Plaintiff's 2.6. This is from 8 June 15th, 2006. Am I right, Doctor? 9 A. Yes, sir. 10 Q. Let me ask you, the visit before this, 11 this is about a year ago? 12 A. Yes, sir. 13 Q. Is this the extent of the note, this one 14 page? 15 A. Yes. 16 Q. Do you see up at the top, it says had, 17 question mark, seizure-like episode? 18 A. Yes. 19 Q. Am I reading that correctly? 20 All right. What is the significance of 21 that report? 22 A. It has two significances which should 23 have led to a lengthy description and analysis. 24 One is sometimes it's been reported that autistic</p>
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<p>1 because some of the most common things people do 2 is they're moving while they're sitting still to 3 try to relief it, and that could involve slapping 4 or as I mentioned earlier tapping feet. So it's 5 another signal, potential signal. 6 Q. You reviewed the entirety of Dr. Segal's 7 records from this visit? 8 A. Yes, sir. 9 Q. Did he conduct an AMIS or Barnes test? 10 A. No. 11 Q. Did he write anything in his chart about 12 potential tardive dyskinesia or tardive 13 akathisia? 14 A. No. 15 Q. By the way, you reviewed his deposition, 16 did you not? 17 A. Yes. 18 Q. Based on your review of the deposition, 19 did you have an understanding of whether 20 Dr. Segal knew what tardive akathisia was? 21 A. No. It was very surprising. When 22 asked, he said he was not familiar with the term, 23 not familiar was his word with the diagnosis. 24 Q. Likewise was Dr. Segal familiar with</p>	<p>1 children have seizures. So you want to know if 2 that's a possibility and evaluate it. 3 But more commonly, a person -- a family 4 member seeing initial tardive dyskinesia will 5 think it's a seizure-like episode. 6 Let's suppose that a child has an aspect 7 of TD. In this case, eyes are rolling back in 8 the head, kid is getting stiff, arching his back, 9 looks like a seizure. Let's suppose the arms are 10 moving out of control, looks like a seizure. 11 It is one of the most common things that 12 you see in a medical record a parent saying or a 13 husband or a wife saying that is the first sign 14 of the onset of tardive dyskinesia. But however 15 you look at it, you can't have in the record six 16 little abbreviated words about a seizure. I 17 mean, you have to get serious about it. 18 Q. Any evidence from the chart that 19 Dr. Segal further investigated this report of 20 seizure-like activity or episode? 21 A. No. 22 Q. You read his deposition. Did he say 23 that he followed up on that? 24 A. No.</p>

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1 Q. He's on Zyprexa as you can see at the
2 top. He came to this office visit already on
3 Zyprexa, didn't he?
4 A. Right.
5 Q. Do we know when the first time Dr. Segal
6 switched Mike from Risperdal to Zyprexa?
7 A. Well, we can figure it out from the
8 pharmacy records. The doctor didn't know, but
9 the pharmacy records say April was the beginning
10 of the Zyprexa.
11 Q. So about two months before this office
12 visit, Dr. Segal switches Mike from Risperdal to
13 Zyprexa, right?
14 A. Yes.
15 Q. Zyprexa is another antipsychotic?
16 A. Yes.
17 Do you mind if I check that date because
18 it's so important and I just want to
19 make sure I'm not making an error there? It's
20 April 18th, '05. That's what I thought, but the
21 pharmacy record says unless I'm in error which is
22 possible, but it's April '05.
23 Q. Then he sees Mike in June of '05 as
24 well, right?

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1 A. Yes.
2 Q. So on this visit then is the next visit
3 which is about a year later?
4 A. Yes.
5 Q. He's still on the Zyprexa?
6 A. Yes.
7 Q. And the dose, 30 milligrams, is that a
8 high dose?
9 A. The 30 milligrams is a -- yes. It's
10 above the recommended dose for adults who are
11 schizophrenic. 20 milligrams is the recommended
12 upper dose for adults.
13 Q. Based on your review of the pharmacy
14 records from Walgreen's, you did look at those?
15 A. Yes, sir.
16 Q. Had Dr. Segal given six-month refills?
17 A. Yes.
18 Q. Was that a deviation from the standard
19 of care to have given six-month refills?
20 A. Yes.
21 Q. Why is that?
22 A. Well, it enables the patient not to come
23 every three months. And it gives the patient the
24 mistaken view that, hey, you know, you can go six

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1 months. I have given you six months of refills
2 for the drug without seeing me and it makes it
3 possible.
4 Q. How did that deviation cause any harm to
5 Mike Angel?
6 A. Well, again, it kept him from being
7 monitored and evaluated by the doctor and lulled
8 the mom into thinking this was not a serious
9 issue, that she really needed to get her son in.
10 MR. ANDERSON: Objection. Speculation and
11 foundation.
12 THE COURT: Can you read back the end of that
13 answer, please.
14 (Whereupon, the record was read.)
15 THE COURT: I will strike the last part. You
16 can disregard that.
17 BY MR. MORRISSEY:
18 Q. Now, let's go to July of 2007. There's
19 not going to be a record in his chart about this.
20 But are you aware that Lorrie Angel called
21 Dr. Segal's office to complain of Michael having
22 tongue thrusting?
23 A. Yes, sir.
24 Q. Tongue thrusting, what is the

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1 significance of it?
2 A. It's as clear of statement that the
3 person is developing tardive dyskinesia as you
4 can possibly get. Tongue thrusting is one of the
5 real characteristics of the early development of
6 tardive dyskinesia. It could be a thrusting out
7 of the mouth.
8 As I mentioned earlier, it could
9 interfere with swallowing, the speech. You can
10 bite your tongue. You go to the doctor. The
11 doctor could look in and actually see bite marks
12 on the tongue because the tongue is just moving
13 out of control. You can see little ulcers from
14 previous biting of the tongue. You can see
15 sometimes the lip has been chewed.
16 So we are talking about something that
17 is a key sign of tardive dyskinesia. It is in my
18 experience and in the scientific literature, it
19 is never just an acute phenomena. It's not just
20 hey, look, the drug did this one day out of the
21 blue. It's always associated with tardive
22 dyskinesia.
23 Q. In your understanding, this phone call
24 was made to Dr. Segal's office about mid July?

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1 A. Yes, sir.
2 Q. When did Dr. Segal have Mike back into
3 the office after --
4 A. It was months.
5 Q. August 22nd?
6 A. It was just one month? I thought it was
7 even longer. Okay.
8 Q. August 22nd?
9 A. Yes. I have it. I better use my notes
10 on numbers. It was August 22nd, '07, eight weeks
11 later, two months.
12 Q. Even then based on your review of
13 Dr. Segal's testimony and his review of the
14 records, he did not diagnose Michael Angel with
15 TD on August 22nd, 2007, did he?
16 A. No.
17 Q. Was it a deviation of the standard of
18 care, Doctor, when Dr. Segal received a report of
19 tongue thrusting in mid July not to have
20 Michael Angel into his office sooner?
21 A. Oh, yes. I mean, he should have had him
22 in as quick as he could get him there.
23 Q. When he did have him in on the 22nd, you
24 see there he notes tongue thrusting?

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1 A. Yes.
2 Q. Anywhere in the record or the chart is
3 there a reference to TD?
4 A. No.
5 Q. Or TA?
6 A. No.
7 Q. You read his deposition. Did he say
8 that based on his examination of Mike Angel on
9 August 22nd, 2007, that it was his opinion that
10 Mike had TD?
11 A. No.
12 Q. Did he ever tell Mrs. Angel during this
13 office visit that her son had TD?
14 A. No. He wouldn't necessarily write down
15 that he had TD. He would have to write down
16 probable TD and started a complete evaluation is
17 what he would have to do, not TD, but probable TD
18 and a real evaluation or referral to a
19 neurologist.
20 Q. He didn't do either one of those?
21 A. Right. That could involve blood tests.
22 It could involve all kinds of different things.
23 Q. He wasn't even thinking about TD, was
24 he?

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1 A. No. He said in his depo he didn't know
2 that tongue thrusting was an early sign of TD at
3 that time, but he had learned since.
4 Q. Dr. Segal thought it was the dystonic
5 movement causing this, didn't he?
6 A. I think -- yes. And I think -- yes. He
7 seemed to think it was an acute phenomena.
8 Q. Are dystonic movements different from TD
9 movements?
10 A. I have to -- it's a little complicated.
11 Initially all of the things you see in TD except
12 tongue thrusting, incidentally, almost all of the
13 things you see later in TD can happen acutely.
14 Then you have to get worried, is it going to get
15 permanent, is it going to be TD.
16 Let's say you get akathisia, a person is
17 jumping all around. Your first thought is, oh,
18 it's akathisia. Is it going to be an acute one
19 or is it going to be a persistent one, be TD.
20 You don't get acute. You got a dystonia that was
21 acute. Dystonia is a muscle spasm and the neck
22 is out of shape literally for the rest of your
23 life. It could be out of shape. That could be
24 acute, but then it becomes persistent. It's

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1 tardive dystonia, a long-term thing.
2 The issue here is you don't get an acute
3 dystonia years into treatment and more than a
4 year into treatment with this drug. When it
5 starts showing up, then it's actually TD breaking
6 through the masking. It's the TD breaking
7 through.
8 Q. What harm did Dr. Segal's failure to
9 diagnose TD on August 22nd, 2007 cause to
10 Michael Angel?
11 A. It caused him continuing exposure into
12 October to these drugs which was a continuing
13 process of firming up the persistence and
14 severity of the disorder.
15 Q. August 22nd, 2007, was that the last
16 visit with Dr. Segal?
17 A. Yes, sir.
18 Q. Did you understand from your review of
19 the depositions that mom and Dr. Segal had a
20 discussion about getting a second opinion about
21 what was happening with Mike?
22 A. Yes.
23 Q. Mike went to another psychiatrist by the
24 name of DiMatteo, Thomas DiMatteo?

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1 A. That's right.
2 Q. Dr. DiMatteo, what's your understanding
3 of for how long he treated Mike?
4 A. You know, I'm not absolutely certain.
5 He treated him through October.
6 Q. So a couple of months?
7 A. Yes. Not very long.
8 Q. Do you recall that Dr. DiMatteo tried a
9 trial of Seroquel?
10 A. Yes, sir.
11 Q. And did --
12 A. I do.
13 Q. Did that work?
14 A. Well, no. No, because Seroquel is not
15 as strong of dopamine blocker, so it's not going
16 to block as much. So you are going to get the TD
17 showing up more.
18 Q. Also Mike was seen by a neurologist, a
19 Dr. Larsen?
20 A. Larsen, yes.
21 Q. Did you review his records?
22 A. Yes.
23 Q. Did he come to any conclusions or
24 diagnoses about Mike and what was causing these

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1 problems?
2 A. Yes. He concluded it was TD, and he
3 also described classic TD, not just the tardive
4 akathisia where you are jumping around, but lots
5 of other symptoms, eye blinking, and I think
6 facial grimaces. There was a whole bunch of
7 things that pretty much tell you this is TD.
8 Nothing else quite looks like it.
9 And then when you have after years of
10 exposure to the neuroleptic, it's -- every time I
11 have seen, it's turned out to be TD and not some
12 other neurological disorder.
13 Q. When Dr. Larsen saw Mike in his office
14 in Naperville, was Mike on any neuroleptics or
15 antipsychotics then?
16 A. Yes, he was.
17 MR. ANDERSON: Objection to form.
18 THE COURT: Can you narrow it down?
19 BY MR. MORRISSEY:
20 Q. Your recollection is that Michael saw
21 Dr. Larsen in approximately October 30th, 2007,
22 Doctor?
23 A. Yes. Let me review a little bit just
24 about that. Let me get my memory back on that.

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1 Yes. He saw him in October and December. Yeah.
2 Q. Then look up at the screen here, Doctor.
3 This is an excerpt from his first -- this is
4 Dr. Larsen's letter to Dr. Carducci. He says
5 he's been off since October 25th for about six
6 days now?
7 A. I'm sorry about that error.
8 Q. That's all right. Does that refresh
9 your memory then?
10 A. Yes.
11 Q. Was Mike on any antipsychotics when
12 Dr. Larsen saw him?
13 A. No. That would be why he saw all of the
14 symptoms. They were not being masked.
15 Q. The symptoms of TD?
16 A. Yes.
17 Q. Did Dr. Larsen also see symptoms of
18 tardive akathisia?
19 A. Yes.
20 Q. Do you recall did Dr. Larsen recommend
21 that the family go to a Dr. Emma Cabusao?
22 A. Yes.
23 Q. For management of the medication?
24 A. Yes.

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1 Q. You reviewed Dr. Cabusao's medical
2 records, did you not?
3 A. Yes, I did.
4 Q. Was it your understanding when Mike went
5 to Dr. Cabusao that Dr. Cabusao was trying to
6 treat his movement disorder, TD?
7 A. Yes.
8 Q. Will you tell the ladies and gentlemen
9 of the jury what kind of medications or
10 alternative treatments she was trying to help his
11 TD?
12 A. I think she started him on Seroquel,
13 didn't she? Or am I getting a little lost here?
14 Q. No. I think it was clonidine.
15 A. On clonidine.
16 Q. On clonidine first.
17 And can you tell the ladies and
18 gentlemen of the jury how clonidine -- what that
19 does in terms of the treatment of TD?
20 A. Well, clonidine is not a treatment for
21 TD, but it is used sometimes to try to control
22 movement disorders. And it's not going to do
23 much to a significant TD. It's not going to
24 touch it much.

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<p>1 Q. Let me ask you this, once TD becomes 2 permanent, or it becomes, you know, permanent, is 3 it reversible? 4 A. First, long-term studies, most cases 5 don't get better. When they have gone on for 6 months, hardly any get better. You will see some 7 improvement in about a third, a third staying 8 about the same, and a third getting worse. But 9 once you have been there for years, you don't see 10 these resolving and just disappearing. 11 Q. In this case, did Dr. Cabusao try 12 alternative treatments and with no success? 13 A. With no success, yes. 14 Q. That resulted in Dr. Cabusao putting 15 Mike back on the offending medication which was 16 the Zyprexa; is that right? 17 A. Yes, sir. 18 Q. Does the Zyprexa control the TD? 19 A. It suppresses the expression of the TD. 20 Q. Is that called masking? 21 A. Yes. 22 Q. Please explain to the jury what masking 23 is. 24 A. Well, remember when I drew the lines</p>	<p>1 exposure of many years to these drugs. 2 Q. Is Michael Angel destined for a life on 3 these antipsychotics, Doctor? 4 A. Yes. I have not seen anybody who has 5 reached this condition come off of them simply 6 because it would unmask something even worse than 7 we had before. 8 Q. We know that Mike had autism; is that 9 right? 10 A. Yes. That seems to have been fairly 11 clearly established and described. 12 Q. Would Mike's underlying autism have 13 destined him for a life on these drugs? 14 A. Absolutely not. Autism is primarily a 15 disorder of social relationship. You can think 16 in terms of Dustin Hoffman playing the Rainman. 17 Or there's a woman you may be familiar with who 18 is a very famous autistic woman who has written 19 about taking care of cows and animals. I'm 20 skipping on her name right now. You have 21 probably read books by her. Temple Grandin, 22 Temple Grandin. She's an autistic woman. She's 23 a much older person now. I have seen her. She 24 gives speeches and goes around talking about</p>
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<p>1 through and said that the Zyprexa blocks the 2 dopamine activity, so if you give the offending 3 agent, you will block some extent of 4 manifestation of the symptoms. But the symptoms 5 are still cooking underneath. The basal ganglia 6 damage is getting worse most likely because of 7 the continued exposure. 8 So all you are doing is putting a cover 9 on the lid. It's like putting a top on a 10 pressure cooker. And maybe it will hold and 11 maybe it won't. Maybe it will blow off and you 12 will end up with a much worse than ever TD. 13 Maybe you will be fortunate, and it will hold the 14 lid down. 15 But meanwhile, you are going to have the 16 damaging affects of the continued exposure of 17 this drug, which is not only damaging the basal 18 ganglia, but it's damaging nerve cells in 19 general, exposing the patient to a worsening of 20 all of the heart risks and aging risks, diabetes, 21 and elevated cholesterol and shortened life span. 22 We have more and more evidence now. 23 There is a whole book written about it. It deals 24 with the shortening of life span from continued</p>	<p>1 helping animals and being humane to animals. 2 So the social deficit, which begins 3 pretty early in life to be called autism, you 4 will have to some degree, probably most of your 5 life, but it doesn't carry with it a physical 6 underlying disease and deterioration. Now, 7 sometimes autistic kids also have some epilepsy, 8 but that's not part of autism. 9 Autism is very specifically defined as 10 the early onset of difficulty relating to human 11 beings as human beings, just don't have that 12 empathic connection. A typical thing a mother 13 will say is he treats me like a table or chair. 14 He will push past me like he's not hurting me. 15 It's a lack of connectivity. It is not 16 diagnosable as a physical disease. People with 17 autism can live full lives, and they can grow 18 old. 19 If they don't get treatments, that is 20 going to be very injurious to them. And the 21 treatments they need are not the drugs. I mean, 22 the general agreement is the treatment they need 23 is wraparound care. He was getting that at his 24 school, wraparound care, concern. The parent</p>

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1 needs to be encouraged to relate more. It's all
2 about drawing the child socially into a
3 relationship with you.
4 MR. MORRISSEY: Your Honor, may I have a
5 moment?
6 THE COURT: Yes, you may.
7 MR. MORRISSEY: Doctor, just a couple more
8 questions.
9 BY MR. MORRISSEY:
10 Q. You mentioned in addition to being
11 destined for a life on these antipsychotics, Mike
12 also had an increased risk for developing some of
13 the other side effects for being on these drugs,
14 which would include you mentioned metabolic
15 syndrome. Can you tell the ladies and gentlemen
16 of the jury what that is?
17 A. The newer antipsychotic drugs have now
18 been studied very carefully, and they commonly
19 cause aspects of what's called the metabolic
20 syndrome. It involves elevated cholesterol,
21 which is a heart risk. It involves elevated
22 blood sugar and then diabetes which is a heart
23 risk as well as a risk for many other things.
24 And it involves obesity, which is a risk for

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1 hypertension and also for heart problems.
2 And these drugs can also disrupt cardiac
3 rhythm, so that's a added-on risk. That's one of
4 the reasons why these drugs are shortening life
5 span. There are studies out that show that a
6 third of children on these drugs will develop
7 something like a metabolic syndrome, so it's
8 common. It's a serious risk.
9 And he began to show signs of both
10 elevated sugar and elevated lipids during
11 Dr. Segal's treatment because he did correctly
12 send him for lab studies and he did have elevated
13 lipids already and he had elevated sugar.
14 MR. MORRISSEY: Thank you, Doctor. Those are
15 all of the questions I have.
16 THE COURT: Thank you, Mr. Morrissey.
17 Let's take our afternoon break for about
18 10 minutes. We have a snack here. And we will
19 come back of after that.
20 Remember, do not discuss the case, do
21 not do any internet research, Facebook, Twitter,
22 blogging, all of that jazz regarding your jury
23 service, the parties, the lawyers, the witnesses,
24 the medical issues, the drugs, et cetera. We

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1 will see you in about 10-15 minutes.
2 (Recess taken.)
3 THE COURT: Mr. Anderson?
4 CROSS-EXAMINATION
5 BY MR. ANDERSON:
6 Q. Good afternoon, Dr. Breggin.
7 A. Good afternoon, sir.
8 Q. If my voice drops out, will you please
9 say something. I have been told sometimes I drop
10 off, so I will try not to.
11 A. Me too.
12 Q. Let's work together.
13 A. It will be quite a combination.
14 Q. We will keep our voices up. I placed
15 over almost behind our court reporter's head the
16 deposition of Lorrie Angel. Could you turn,
17 please, to Page 131?
18 A. Okay.
19 Q. Earlier when you were testifying, you
20 had indicated that there might have been as much
21 as an six-to-eight-week gap between the time
22 these symptoms were reported -- strike that.
23 You actually said there was a
24 six-to-eight-week gap between the time these

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1 symptoms of tongue thrusting were observed and
2 the time she got into Dr. Segal.
3 Mrs. Angel's deposition testimony
4 reflects that as soon as she perceived her son
5 was having these symptoms, she called Dr. Segal
6 that day or within a couple of days, right?
7 A. Well, I have to read this. Do you want
8 me to read this?
9 Q. Yes. Read to yourself Lines 6 through
10 10, 6 through 10 on Page 131.
11 A. Okay.
12 Q. Thanks.
13 Doctor, would you agree with me that TD
14 is a rare condition?
15 A. Oh, my Lord, no. No.
16 Q. No?
17 A. No. The rates in adults are 5 to
18 8 percent a year cumulative so that according --
19 Q. My question was just --
20 MR. MORRISSEY: Your Honor, may the witness
21 be permitted to answer?
22 THE COURT: It's his examination. You can
23 redirect him. Did you want to -- you can finish.
24

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1 BY MR. ANDERSON:
2 Q. In terms of the studies that you cited,
3 many of the studies deal with state hospital
4 settings when people were on the older generation
5 antipsychotics, right, the early studies?
6 A. Well, those were the early studies, yes.
7 There are many new ones.
8 Q. These drugs, these atypical
9 antipsychotics started coming out in the 90's?
10 A. Yes.
11 Q. First one was what?
12 A. Risperdal. Well, Clozaril, but Clozaril
13 is actually a very old drug that got revived.
14 Q. Then Risperdal?
15 A. And Zyprexa.
16 Q. Then Zyprexa sometime thereafter. So
17 these starting coming out in the early 90's?
18 A. I think it was '94 for Risperdal and '96
19 for Zyprexa, something close to that.
20 Q. You were talking about this AMIS scale
21 that's performed. That does require the
22 cooperation of the patient, right?
23 A. Parts of it, but not all of it. Most of
24 it is observations.

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1 Q. The part where you are asking the
2 patient to open the patient's mouth, that
3 requires cooperation?
4 A. Yes.
5 Q. You say when you perform this test, you
6 remove some outer articles of clothing to try to
7 get a better look at the patient?
8 A. We don't want the patient draped. The
9 only thing I ask people to take off is their
10 shoes and socks so I can see their toes.
11 Q. That requires also the cooperation of
12 the patient, right?
13 A. Oh, yeah. The mother, mother could take
14 off his shoes and socks I'm sure.
15 Q. Still requires the cooperation of the
16 patient, that's all I'm asking?
17 A. To some extent.
18 Q. Do you do an AMIS test or AMIS scale on
19 every patient at every visit?
20 MR. MORRISSEY: Objection, your Honor.
21 Motion in limine. Personal practice.
22 THE COURT: Sustained.
23 MR. ANDERSON: This is on cross-examination,
24 your Honor.

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1 THE COURT: Sustained.
2 BY MR. ANDERSON:
3 Q. Did you see an AMIS scale on
4 Dr. Larsen -- strike that.
5 Did you see Dr. Larsen performing an
6 AMIS scale?
7 A. No.
8 Q. Did you see Dr. Cabusao perform an AMIS
9 scale?
10 A. No.
11 Q. Did you see Dr. DiMatteo perform an AMIS
12 scale?
13 A. No.
14 Q. Did you see Dr. Klapman perform an AMIS
15 scale?
16 A. No.
17 Q. Doctor, you are not board certified, are
18 you?
19 A. No. I never took the boards.
20 Q. You are not board certified in either
21 psychiatry, child psychiatry or this clinical
22 pharmacology area that you have an interest in,
23 right?
24 A. There is no board for clinical

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1 psychopharmacology.
2 Q. But you are not a child or child --
3 A. No. I never took the board years ago.
4 Q. You never examined Michael Angel?
5 A. No.
6 Q. You agreed that he had autism when
7 Dr. Segal was treating him?
8 A. Yes, sir.
9 Q. He started as having mild to moderate
10 autism with Dr. Klapman and then it became more
11 severe around the time that Dr. Segal started
12 seeing him; is that right?
13 A. No.
14 Q. That's not right?
15 A. Not in my opinion, no.
16 Q. Doctor, referring you to Page 40 of your
17 deposition. Do you have your deposition?
18 A. No. But go ahead. I mean, I know what
19 I think. I'm sure I said the same thing then as
20 I will now.
21 Q. I'm not so sure, so let me show it to
22 you.
23 I'm going to talk to you about Page 40,
24 Doctor.

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1 A. Okay.
2 Q. Dr. Klapman described -- I'm looking at
3 Line 9. Dr. Klapman described Michael Angel as
4 having a more mild form of autism; is that right?
5 A. Well, I think in the record, he might
6 have said mild to moderate. Then I think he
7 might have said mild in his depo. But these are
8 such -- mild to moderate, you know, they're so
9 subjective. It's not like we have a number
10 scale.
11 Q. I'm just trying to ask my questions. So
12 the question I'm asking you, Doctor, now is about
13 Dr. Segal, the bottom of Page 40?
14 A. Okay.
15 Q. Do you have an opinion as to whether he
16 looked more severe at the time he saw Dr. Segal?
17 A. Yes.
18 Q. He was moderate to severe, correct?
19 A. Yes. But sir, you didn't actually --
20 Q. I didn't ask you anything else.
21 A. Well, I mean, you can read the next part
22 of my depo where I explain it.
23 THE COURT: Doctor, Mr. Morrissey are --
24 MR. ANDERSON: I would like to go home

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1 tonight.
2 BY MR. ANDERSON:
3 Q. Your experience with autism, Doctor, you
4 have treated about ten patients over the last ten
5 years?
6 A. Yes.
7 Q. You have never had an occasion to treat
8 a young patient with autism who was on
9 neuroleptics, right?
10 A. No. I don't think I have.
11 Q. You don't think there's any successful
12 treatment for moderately to severe -- for a
13 moderately to severely autistic child. Did I ask
14 that badly? Should I try that again?
15 A. It's up to you, sir.
16 Q. Did you understand?
17 A. Well, I think so. But there are very
18 good treatments for autistic children, not drugs.
19 Q. Never drugs?
20 A. But not drugs. Generally not, no.
21 Q. Now, you actually never had an
22 occasion -- strike that.
23 You prefer not to use drugs in your
24 treatment of patients?

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1 A. Yes. I try to help people
2 psychologically, work with their families, work
3 with the children, bring in the grandparents. I
4 think families are the most healing thing that we
5 have for distressed people. But other doctors
6 use drugs as a first line.
7 Q. You have no experience starting a
8 patient on Risperdal, do you?
9 A. No. Probably not. I have lots of
10 experience --
11 Q. Doctor, I only asked about Risperdal.
12 Was that a yes or no to my question?
13 A. Only with people already on Risperdal,
14 lots of experience.
15 Q. I'm talking about starting. You never
16 started a patient on Zyprexa either, have you?
17 A. No.
18 Q. You have never started a patient on
19 Paxil, have you?
20 A. No.
21 Q. You never started a patient on Celexa,
22 have you?
23 A. No.
24 Q. You agree with me that that practice of

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1 not having that kind of experience puts you
2 outside the main stream of most psychiatrists,
3 right?
4 A. I think you asked a compound question.
5 Certainly most psychiatrists start patients on
6 drugs all the time. I do not.
7 Q. That puts you outside the main stream of
8 psychiatry, correct?
9 A. Yes. Common practice in psychiatry is
10 to start drugs the minute you walk in the office.
11 Q. Just because a patient develops TD while
12 taking a neuroleptic, it doesn't necessarily mean
13 that the prescribing doctor violated the standard
14 of care, does it?
15 A. No. Not at all.
16 Q. In terms of risk factors for TD, how
17 long the patient is on the neuroleptic is more
18 important than the dose?
19 A. Yes. As far as we could tell.
20 Q. At one point in time it was thought that
21 TD was more common in women. I know that's not
22 the view now, but at one point in time, is that
23 true?
24 A. Yes. That's right.

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1 Q. At some point in time it was thought the
2 risks of TD were less with atypical, say the
3 second generation neuroleptics, as opposed to the
4 first generation?
5 A. Well, depends on who you are asking.
6 Q. I know you didn't have that view. But
7 in the main stream psychiatry and psychological
8 community, didn't they?
9 A. Yes. I think they believe the drug
10 companies initially.
11 Q. That's where I was going to go next.
12 That's how the drug companies market these drugs,
13 right?
14 A. That's right.
15 Q. We talked before about the test. There
16 is no test for TD. You refer to the AMIS scale
17 and the Barnes scale, right?
18 A. That's correct. There's no physical
19 test.
20 Q. TD commonly starts in the face and the
21 tongue, true?
22 A. Yes. Commonly, not all the time.
23 Q. You and I talked -- strike that.
24 You and Mr. Morrissey talked about this

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1 February 2nd, 2005, remember that?
2 A. Yes, sir.
3 Q. Can you see that okay?
4 A. Yes. Pretty well. Pretty well.
5 Q. If you need me to zoom in on something,
6 we will try my skills for zooming in.
7 You believe that some of these behaviors
8 are early signs of TD, right?
9 A. Potentially.
10 Q. And I want to ask you about TD because
11 you at times have used TD, tardive dyskinesia,
12 and tardive akathisia interchangeably?
13 A. Yes. Sometimes.
14 Q. And for purposes of this case, are you
15 using them interchangeably?
16 A. You just have to ask me at any given
17 moment. I could explain if you wish.
18 Q. Well, do you believe that these signs
19 that we are -- these behaviors here, do you
20 believe those are signs of TD or signs of TA?
21 A. I believe they're signs of the variant
22 of tardive dyskinesia that we call tardive
23 akathisia.
24 Q. So that's the TA I asked you about?

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1 A. Yes. So you could always say they're
2 signs of tardive dyskinesia, but it's the variant
3 of tardive akathisia?
4 Q. So when Michael Angel came into
5 Dr. Segal's office, he had some of those variant
6 signs?
7 A. Yes.
8 Q. In particular, you believe the slapping
9 of the hands on the legs and the emotional
10 lability while laughing are signs of TD?
11 A. More the slapping of the hands on his
12 legs and his lap the doctor describes, but the
13 emotional lability -- the slapping of his hands
14 on his legs, the doctor also says he saw him
15 slapping his chair and slapping his lap, and that
16 that had been going on for awhile.
17 But he reports in his depo he actually
18 saw this himself, and those would be signs of TD
19 and it's possible that the out-of-control
20 behavior also related to the TD, but that's
21 harder to determine.
22 Q. But you still -- you thought it was
23 possible?
24 A. Possible, yes.

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1 Q. That's the emotional lability, right?
2 A. Yes. Important to evaluate.
3 Q. But behaviors that are within Michael
4 Angel's control are not TD or TA, correct?
5 A. Oh, actually, with effort, people can
6 control to some degree the tardive phenomena.
7 It's exhausting unlike the stereotypies you have
8 heard about. So someone who is raising their
9 arm, you can say I want you to hold your arm
10 down. You will see him start to sweat, so they
11 have partial control sometimes for a limited
12 amount of time.
13 Q. So you do not agree that the TD is the
14 part where it's outside the control of the
15 patient?
16 A. In general, but they can sometimes
17 partially control it.
18 Q. Looking back, you actually believe
19 banging of objects, screaming, laying on the
20 floor, occasionally kicking people and objects,
21 tapping of objects, really the whole works here
22 is TD, right?
23 A. No.
24 Q. No?

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1 A. No.
2 Q. You don't think the whole works is TD?
3 MR. MORRISSEY: Objection as to the form,
4 Judge.
5 THE WITNESS: No.
6 THE COURT: Overruled.
7 BY MR. ANDERSON:
8 Q. Doctor, you did give a deposition in
9 this case?
10 MR. MORRISSEY: Page and line, counsel?
11 MR. ANDERSON: Can I get there?
12 BY MR. ANDERSON:
13 Q. You did give a deposition in this case?
14 A. Of course.
15 Q. I traveled out to Ithaca in the dead of
16 winter to take your deposition, right?
17 A. I don't even remember the season.
18 Q. Well, you now repaid the favor because
19 you came to Chicago in the dead of winter.
20 At Page 66, Lines 8 through 23, the
21 banging of objects, the screaming, the laying on
22 the floor, the crying, the occasional kicking of
23 people and objects and the tapping of objects
24 could be related to autism and not TD?

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1 Answer, I would say no. I think
2 eventually what we are going to find as we see
3 the TD evolve is that this is TD, the whole
4 works, and can't separate it though from the
5 drive -- the drivenness that is coming from the
6 Paxil which is a very stimulating drug that makes
7 children frequently out of control. It's very
8 hard because we don't have the records to
9 decipher all of this, but as we get into the TD
10 later on, a lot of this is the extreme he didn't
11 have when he first presented to Klapman.
12 Were you asked that question and did you
13 give that answer?
14 A. Yes. It's very different than what you
15 asked me.
16 Q. I'm sorry, I didn't hear you. Yes, you
17 gave that answer?
18 A. That's very different from what you
19 asked me.
20 MR. MORRISSEY: Objection, your Honor, not
21 impeaching.
22 THE COURT: Sustained.
23 BY MR. ANDERSON:
24 Q. I went through the whole list and I will

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1 do it again.
2 Do you believe banging of objects,
3 screaming, laying on the floor, the crying, the
4 occasional kicking of people and objects and the
5 tapping of objects is TD?
6 A. I think that we have both as I said in
7 there, the antidepressants, the TD and possibly
8 even autism is contributing to all of this. What
9 I said was that all of this should alert you to
10 TD and that looking back, I thought it was TD. I
11 didn't say that doctor looking at this whole ball
12 of wax would say TD. I never said that.
13 Q. If I implied that, I apologize because I
14 was going to get to that question, which is you
15 are not saying that the minute Michael Angel
16 walked into the door and Dr. Segal got this list,
17 he should have said that's TD? You are saying
18 retrospectively, these behaviors could be signs
19 of TD?
20 A. Yeah. I made that clear on my direct.
21 Q. That's what I'm -- that's what I'm
22 asking you about.
23 A. Sure.
24 Q. You think that this is in part due to

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1 the drivenness that's caused by Paxil, right?
2 A. I said could be.
3 Q. You said Paxil could make children be
4 out of control?
5 A. Oh, we have so many studies on that.
6 It's really sad, yes.
7 Q. You think it might have been reasonable
8 to look at this list though and believe that
9 these were behaviors related to autism also?
10 MR. MORRISSEY: Objection, form, relevance.
11 THE WITNESS: No.
12 THE COURT: Overruled.
13 THE WITNESS: I'm sorry.
14 BY MR. ANDERSON:
15 Q. Would it have been unreasonable to look
16 at this list and say that this could be related
17 to the fact that the child is autistic?
18 A. Sure. You could raise the question of
19 that. But you know, go ahead.
20 Q. Go ahead.
21 A. No. I'm going to stop. You have told
22 me not to speak too much, so I'm going to try not
23 to. As hard as it may be, I'm going to try not
24 to.

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1 Q. We will go with that.
2 If he was like this before he was
3 started on Paxil, would that make it more likely
4 that these behaviors were not caused by Paxil?
5 A. Yes.
6 Q. That's sort of logical, right?
7 A. Well, before he was started on
8 antidepressants.
9 Q. Right.
10 A. Not just Paxil because he was on Zoloft
11 before this --
12 Q. SSRIs and all of that?
13 A. Into a past we don't even have records
14 of.
15 Q. You read -- I'm about to get into that.
16 You read Dr. Klapman's deposition?
17 A. Yes.
18 Q. Now, Michael presented to Dr. Klapman
19 for the first time on January 17th of 2000. Will
20 you take my word for that?
21 A. Oh, I know. He had just turned 8.
22 Q. As of the time he presented to --
23 A. No. He hadn't quite yet turned 8. Go
24 ahead.

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1 Q. As of the time he presented to
2 Dr. Klapman, he was already on Zoloft as you just
3 said?
4 A. Yes, sir.
5 Q. Dr. Klapman's initial impression was OCD
6 or obsessive compulsive behavior?
7 A. Yes, sir.
8 Q. There's also a concern about anxiety?
9 A. That's right. And autism.
10 Q. And autism.
11 And in May of 2000, he discusses
12 emotional lability?
13 A. Yes.
14 Q. We talked about what that is before,
15 right?
16 A. I don't think you asked me what that is.
17 Q. I think we did, but I will ask you.
18 Tell us what emotional lability is.
19 A. It usually means rapidly and seriously
20 fluctuating emotions, fluctuating emotions in a
21 way that's not normal.
22 Q. So that's reported in May of 2000,
23 correct?
24 A. Yes, sir.

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1 Q. Then in June of 2001, there's a
2 discussion about anxiety and behavioral problems,
3 true?
4 A. That's right.
5 Q. Then on April 30, 2002, do you recall
6 that Dr. Klapman wrote a letter to a judge?
7 A. Yes, sir.
8 Q. Do you have that in front of you?
9 A. I do in here somewhere, but I think I
10 can work without it.
11 Q. If I put it up here, will that help?
12 A. Sure. Whatever you want.
13 Q. Can you see that?
14 A. Yes.
15 Q. First paragraph is Michael had been
16 diagnosed with profound autism, severe apraxia.
17 Can you help me with that one? I'm not sure we
18 have that defined yet. Do you want to help me
19 with that one?
20 A. Apraxia is difficulty carrying out a
21 purposeful movement on instruction. One of the
22 little tests we use is we put a piece of paper in
23 front of somebody and we say please fold the
24 paper left to right and put it in your lap or

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1 something like that. And some people have
2 trouble doing that, but it can be limited to one
3 area of activity. It can be more global.
4 There's never been any evidence he had apraxia
5 though.
6 Q. Dr. Klapman is providing evidence
7 there's apraxia and he's telling the judge this
8 in April of 2000 --
9 A. No, he's not. He says he's been
10 diagnosed with severe apraxia. He himself never
11 saw any evidence for it.
12 Q. Then there's sensory integrative
13 disfunction and obsessive compulsive disorder?
14 A. Yes, sir.
15 Q. The next sentence says seizure disorder
16 could not be ruled out due to the fact that the
17 child could not tolerate a diagnostic 24-hour
18 EEG. That's a test to determine whether someone
19 has seizure activity?
20 A. Yes. But you would start with just a
21 simple EEG, which doesn't take much time at all.
22 And I don't know that was ever done. I don't
23 know why he's talking about a 24-hour. You don't
24 go to that right away.

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1 Q. He talks about the very hard work that
2 Mrs. Angel has done to get her son into the right
3 school program. Then he says he brought --
4 Michael's mother brought him in to see me due to
5 increased obsessive compulsive behaviors and
6 issues associated with the sparse and infrequent
7 and random --
8 A. Yes, sir.
9 Q. Michael has become extremely agitated,
10 moody, and his obsessive compulsive behaviors
11 would elevate?
12 A. Yes.
13 Q. Did I read that correctly?
14 A. Yes.
15 Q. Being that he could not verbally express
16 himself, his anxiety would manifest itself into
17 ritualistic behaviors that he could not control
18 or self-regulate. I read that correctly?
19 A. Yes, sir.
20 Q. Very briefly, Doctor, could you describe
21 ritualistic behaviors. What are those?
22 A. Well, we all do them. We all have ways
23 of controlling our anxiety. Some people count to
24 themselves. Some people do real rituals like

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1 pray. I pray when I get anxious.
2 Here it refers to something that, you
3 know, we consider abnormal. Maybe the child
4 won't step on cracks in the sidewalk hoping that
5 that will relieve his anxiety. So there are
6 little things people do. It may range from very
7 normal to real impairing. There are little
8 things people do on a routine basis to try to
9 calm themselves, soothe themselves.
10 Q. After the last visit with the father on
11 September 7, 2007, Michael's anxiety increased to
12 a point of self-injurious behaviors of which
13 consisted of head banging. Did I read that
14 right?
15 A. Yes.
16 Q. Undoubtedly these behaviors hurt the
17 child emotionally and carried through all
18 environments including interference with ability
19 to learn and function at school. The elevated
20 state of anxiety has been known to last for six
21 to eight weeks. Did I read that correctly?
22 A. Yes, sir.
23 Q. One of the main deficits and concerns of
24 autism is the child's inability to tolerate

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1 change. Routine and predictability are essential
2 to an autistic child's emotional well-being. Do
3 you agree with that last sentence?
4 A. Oh, yeah.
5 Q. Doctor, this was as I said written on
6 April 30, 2002. That's before Michael Angel was
7 put on any neuroleptics, right?
8 A. That's right. He's on antidepressants,
9 which are more likely to cause that behavior.
10 Q. He was on Paxil, right?
11 A. Yes.
12 Q. You have a concern about Michael Angel
13 being on Paxil, don't you?
14 A. Oh, yes.
15 Q. You don't think it's a good idea to give
16 Paxil to an autistic child, do you?
17 A. No, I don't think it's a good idea. I
18 don't say it's negligent necessarily, but I don't
19 think it's a good idea.
20 Q. Understood.
21 You believe Paxil can cause akathisia?
22 A. It's not my belief, sir. It's a
23 scientific fact that it causes akathisia. You
24 can look it up in the diagnostic and statistical

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1 manual --
2 Q. I'm not fighting with you, and I'm not
3 trying to say this is your belief. I guess I'm
4 trying to say you agree Paxil can cause
5 akathisia?
6 A. Yes. Not tardive akathisia.
7 Q. But it can cause akathisia?
8 A. Yes.
9 Q. It's not below the standard of care to
10 prescribe Risperdal or Zyprexa?
11 A. I'm sorry, I couldn't hear.
12 Q. That's okay.
13 It's not below the standard of care to
14 prescribe Risperdal or Zyprexa to a child with
15 autism?
16 A. Well, now Risperdal is approved for
17 giving it to children with irritability who have
18 autism. So no, it's not below the standard of
19 care. Now, it's not.
20 Q. Dr. Segal saw this patient on
21 February 4th, 2005. We talked about that. That
22 was the first visit?
23 A. Yes, sir.
24 Q. At that time he took a history?

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1 A. Yes, sir.
2 Q. His notes reflect he was aware of Paxil?
3 A. I'm sorry?
4 Q. His note reflects that he was aware that
5 Michael was on Paxil, right?
6 A. He was on Zoloft.
7 Q. I'm sorry, he was on Zoloft -- no. He
8 wasn't. He was on Paxil?
9 A. I think he changed him from Zoloft to
10 Paxil, sir.
11 Q. Right. As of that first visit, just
12 focusing on that February 4th, 2005?
13 A. He's on Zoloft, sir, the first time he
14 sees Klapman.
15 Q. I'm talking about Dr. Segal.
16 A. Oh, we are up to Dr. Segal. Yes, of
17 course he was aware he was on Paxil.
18 Q. He was actually concerned that the Paxil
19 might be causing behavior described as mania,
20 true?
21 A. That's right.
22 Q. His plan at that time, February 4th, 2005,
23 was to begin to taper down Paxil?
24 A. That was a good thing.

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1 Q. Thanks for getting to my next question.
2 So that was reasonable to do?
3 A. Not so fast, but it was reasonable. But
4 not fast like he did.
5 Q. Well, you can't just take someone off an
6 antidepressant, right?
7 A. No. You have to go slowly after all of
8 those years.
9 Q. You agree with that too, that's a good
10 idea to taper it slowly?
11 A. Very slowly.
12 Q. It's also reasonable to taper it and
13 monitor the behavior that happens in follow-up
14 with the patient?
15 A. That's right.
16 Q. You have said Paxil -- strike that.
17 Coming off of Paxil can be a horror show
18 of anxiety, upset, and aggressiveness and
19 instability, true?
20 A. Yes.
21 Q. It can make the autism worse?
22 A. Oh, yeah.
23 Q. It's also impossible to say how long
24 that process takes, that withdrawal of Paxil,

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1 true?
2 A. That's right. It could grow fairly
3 rapidly or it could be very slow. Some adults
4 can't even get off Paxil.
5 Q. It's variable? It's variable?
6 A. That's right.
7 Q. Now, in terms of separating TD and TA --
8 strike that.
9 You would agree with me that TD, the
10 signs of TD, were apparent toward the end of
11 Michael's treatment with Dr. Segal when there was
12 a report of tongue thrusting? You told us about
13 that earlier, right?
14 A. I don't think that's when it started.
15 Q. The medical documentation of this was
16 first reported with tongue thrusting in August
17 of 2007?
18 A. That was -- that was when you got a
19 symptom that was so -- could only be explained by
20 TD just about, but there were earlier signs.
21 Q. That's what I was going to get to.
22 Your belief was that it might have been
23 there for a few months before?
24 A. Yes. But I mean, there were earlier

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1 signs other than tongue thrusting.
2 Q. When Lorrie Angel -- strike that.
3 In the face of signs of TD, you would
4 agree that stopping the offending drug or what
5 you think might be the offending drug may not
6 necessarily be reasonable?
7 A. Well, sometimes it's impossible, but it
8 is the first step you are supposed to take.
9 Q. Well, or tapering the drug?
10 A. Oh, yeah. Yes. Stopping or tapering.
11 Q. So continuing the drug, but at a reduced
12 dose would be a reasonable thing to do, wouldn't
13 it?
14 A. Yes. With the goal of getting more.
15 Q. Pardon me?
16 A. Yes. With the goal of stopping the
17 drug.
18 Q. In fact, that's what Dr. Segal did on
19 August 22nd, 2007 when he cut the dose of Zyprexa
20 in half in response to a complaint of tongue
21 thrusting, right?
22 A. Yes.
23 Q. Now, Dr. Segal testified in his
24 deposition that he performed an examination and

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<p>1 he, himself, did not see any tongue thrusting, 2 correct? 3 A. He said he didn't see any tongue 4 thrusting, yes. 5 Q. Now, let me back up one second. You 6 were talking earlier about earlier signs of TD. 7 What do you mean by that in this history? 8 A. Well, in his depo, Dr. Segal says that 9 this slapping that he was talking about that -- 10 that had been going on for a long time and he saw 11 it in the office, he doesn't write it down, but 12 he said he saw the slapping movements in the 13 office. 14 That should alert you to the tardive 15 akathisia which is a form of tardive dyskinesia. 16 That should make you think, my gosh, I mean, toe 17 tapping, that's like slapping, these movements, I 18 ought to be really thinking about this. 19 Q. Anything else? 20 A. That was the main thing. And you know, 21 just some of the activity in the write up that he 22 got at the same time. 23 Q. That list that we gave -- 24 A. Yeah. We talked about that.</p>	<p>1 A. It doesn't always go in, but yes. 2 Q. But it's the result of a negotiation 3 process between the drug company and -- 4 A. The label is as a result of the 5 negotiation. The label is what you heard of as 6 the package insert. It is the basic information 7 that the FDA -- it's the FDA that really controls 8 it. The FDA puts together on the basis of 9 working it out with the drug companies, what kind 10 of safety information, what kind of effectiveness 11 information would go in. You see it in the ads 12 of the back of your magazine. You would be 13 looking through a men's or women's magazine 14 advertising a drug. You see a page that's a 15 summary of the -- just a summary. 16 Q. You don't think it's a good idea for the 17 doctor to rely on just what the pharmaceutical 18 company says about the drug? 19 A. No. 20 Q. You would equate that to relying on a 21 car salesman? 22 A. Yes, sir. 23 Q. A used car salesman? 24 A. Yes, especially the salesperson who are</p>
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<p>1 Q. Again, those were as of February 5th or 2 -- strike that. 3 Those were as of February 2nd, 2005, 4 before he even got to see Dr. Segal? 5 A. Yes. Two days. 6 Q. We have sort of danced around this issue 7 of the PDR. I want to talk to you directly about 8 the PDR. PDR is generated by drug companies? 9 A. Yes, sir. 10 Q. In consultations with the FDA? 11 A. No, sir. 12 Q. How is the PDR generated? 13 A. PDR is just a book in which 14 manufacturers can pay to put their labels. The 15 PDR is not what you are talking about. What you 16 are trying to talk about is -- I don't mean to be 17 condescending. These are complex issues. What 18 you are trying to talk about is the label for the 19 drug -- 20 Q. You are right. 21 A. -- which goes into the PDR sometimes, 22 but not always. 23 Q. The label that goes into the PDR, which 24 is really what I was aiming at.</p>	<p>1 coming to the office talking -- I think I made 2 that reference in comparison not to the PDR, but 3 to the salesperson who comes to you selling the 4 drugs to ask them about an adverse effect would 5 be like -- 6 Q. You just said car sales? 7 A. Get the car facts, you know. 8 Q. In and of itself the off-label use of 9 drugs though as you have said repeatedly is not a 10 violation of the standard of care? 11 A. No, it is not, sir. 12 Q. Changing of drugs from one to another 13 doesn't automatically violate the standard of 14 care either, does it? 15 A. No, of course not. 16 Q. Sometimes that's done to achieve a 17 better condition for the patient? 18 A. Sure. 19 Q. In terms of vulnerability for developing 20 TD, I think you said, but I want to make sure I 21 heard this, there's no difference in the 22 vulnerability between children and adults which 23 is to say they have the same vulnerability as an 24 adult?</p>

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1 A. They seem to have the same general
2 vulnerability. I don't know if we have enough
3 studies to really hammer that out. But the
4 children are very vulnerable to TD.
5 Q. They're no different than adults?
6 A. You know, I don't think we know for sure
7 some of that stuff. I mean, there are studies
8 showing that if you look at a group of children
9 and say an institution for autistic and retarded
10 kids, a third of them are going to have some
11 signs of TD if they have all been on these drugs
12 at one point in time, which happens in
13 institutions. And we learning not to do that
14 anymore.
15 Q. Let me follow-up with you on this from
16 Dr. Larsen, February 12th, 2008. Do you see
17 that?
18 A. That's a little hard.
19 Q. I'm sorry, I want you to see it. Can
20 you see it better now, Doctor?
21 A. I'm sure the jury could see it better
22 now too.
23 Q. You have read this. This is part of
24 your review?

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1 A. Yeah. We went over this earlier, I
2 think.
3 Q. As of February 12, 2008, Michael Angel
4 is not on any neuroleptics, right?
5 A. Right.
6 Q. I want to ask you about a behavior
7 that's depicted in the second paragraph. You
8 want to read that? I will read it. In general,
9 he's been doing much better in terms of his tics,
10 vocalizations, banging, anger, and akathiasias.
11 Unfortunately, he's been to the timeout room
12 several times in school and first took off all of
13 his clothes and urinating and then urinated and
14 defecated and smeared it on the walls. This
15 caused him to be taken out of school. Is that
16 behavior TD?
17 A. It's drug withdrawal. It's withdrawal
18 from the neuroleptic drug. The drug remember has
19 been suppressing, suppressing, suppressing and
20 now the poor child is bizarrely out of control
21 worse than he's ever been. We have multiple
22 studies on this. And I have seen it in my own
23 practice last year. That's exactly this. I had
24 to hospitalize a child because his behavior got

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1 so bad. Fortunately the hospital worked with me
2 in getting him off --
3 Q. So it's just a response to withdrawal?
4 A. This is kind of a worsening behavior.
5 It's well known, well documented. Waldtiere has
6 written studies on it. Other people have written
7 studies on it. I see it in my own practice.
8 It's well known. It even has names, tardive
9 dysphoria, tardive psychosis. Literally people
10 end up psychotic who were never psychotic before
11 when they come off these drugs.
12 Q. So it has nothing at all to do with the
13 drug itself? It's the withdrawal from it, that's
14 your position?
15 A. It is the damage done by the drug and
16 now you are in withdrawal from the drug. And it
17 may not just be withdrawal. It may be that the
18 person stays like that.
19 Q. Let me follow-up with a few questions.
20 You were asked early on about your qualifications
21 and then I'm going to be done. Okay?
22 You left Harvard after your first year,
23 so you didn't complete your residency at Harvard,
24 true?

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1 A. That's right. I preferred it in Upstate
2 New York.
3 Q. This work for the National Institute of
4 Mental Health. That was not a clinical practice,
5 was it?
6 A. No.
7 Q. It was building clinics and providing
8 children educational services?
9 A. There's two separate things. For the
10 first year, I traveled around the southeastern
11 part of the country teaching communities how to
12 set up mental health centers. So that requires a
13 lot of clinical knowledge, not treating people,
14 so I did a lot of, you know --
15 Q. In terms of faculty work you have done,
16 that's never been teaching MDs? It's been
17 counseling programs, right?
18 A. The university appointments have mostly
19 been counseling programs. But of course, I give
20 conferences where MDs get credits for coming. I
21 have written articles where they get credits for
22 reading.
23 Q. I know. I'm just trying to talk about
24 your faculty appointments.

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1 A. No. The faculty appointments have
 2 almost entirely been in counseling departments
 3 where I find a really comfortable home because
 4 the counselors have a more understanding of
 5 empathy, caring, relating to people.
 6 Q. The ISCPP, the International --
 7 A. The ISCPP. Of course, I have not -- I
 8 moved on. I have set up a whole new
 9 organization.
 10 Q. I know that, but that's the
 11 International --
 12 A. International Center for the Study of
 13 Psychology and Psychiatry that I formed in 1972
 14 as part of the anti-lobotomy campaign.
 15 Q. You were the director up to 2002?
 16 A. Roughly.
 17 Q. You then became emeritus director from
 18 2002 to 2010 and then you disassociated with that
 19 organization?
 20 A. Yes, sir.
 21 Q. Your wife had helped you with that
 22 organization?
 23 A. Oh, she helps me with everything except
 24 my clinical practice.

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1 Q. As I told you the last time I saw you,
 2 no disrespect to your wife, but she doesn't have
 3 medical training, right?
 4 A. No disrespect, sir. No. She's just the
 5 most brilliant person I know.
 6 Q. Thankfully you were consistent. That's
 7 what you said at your deposition too.
 8 Doctor, in terms of presentations, you
 9 are a life member of the American Psychiatric
 10 Association?
 11 A. Yes, sir. That means I grew old in the
 12 association.
 13 Q. You have actually -- the last time you
 14 presented though in the association was 30 plus
 15 years ago?
 16 A. Many, many years ago, yeah. Actually it
 17 was during the anti-lobotomy campaign.
 18 Q. That goes back to the 70's?
 19 A. 70's.
 20 Q. In terms of your medical-legal review,
 21 you have reviewed hundreds of cases, true?
 22 A. Yes, sir.
 23 Q. You have testified at trial 80 times or
 24 more?

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1 A. Well, since 1987. That list of '87 is
 2 not all trials. But since 1987, I have probably
 3 been in about 75 trials. So that's a lot of
 4 years. Probably 3 a year I think is an average.
 5 Q. This is not your first visit to the
 6 witness chair in the Daley Center, is it?
 7 A. No.
 8 Q. Is this the third or fourth trip?
 9 A. Well, I was here twice as far as I know.
 10 You want to talk about the cases?
 11 Q. No. We have enough to talk about
 12 without that.
 13 A. Or the outcomes?
 14 Q. You last testified for a defendant in a
 15 medical malpractice case in the 1980's?
 16 A. That's correct.
 17 MR. ANDERSON: Your Honor, may I cover one
 18 issue with you outside the presence of the jury?
 19 THE COURT: Yes.
 20 (Whereupon, the following
 21 proceedings were held out of the
 22 hearing and presence of the jury.)
 23 MR. ANDERSON: Two things, two things, your
 24 Honor, under the authority of Walski versus

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1 Tsagna, 72 Ill. 2nd 249 -- wrong case. Strike
 2 that.
 3 I'm asking for permission to question
 4 this doctor regarding his personal practice to
 5 impeach him. I believe that's permissible.
 6 THE COURT: It is, but what do you want to
 7 do --
 8 MR. ANDERSON: My question about the AMIS
 9 test was to impeach him. I don't think he
 10 performs an AMIS test for every visit.
 11 THE COURT: Oh, I understand. His testimony
 12 was that you should do that on --
 13 MR. ANDERSON: I don't know what his
 14 testimony is. His testimony is it has to be done
 15 regularly. And my question is does he -- you
 16 know, he's making it sound like it's a nothing
 17 test.
 18 THE COURT: I thought his testimony was
 19 wouldn't you have signs -- there's some signs.
 20 MR. ANDERSON: You have to look for it is
 21 what he's saying. He did say you have to look
 22 for it at every visit. And you have this test up
 23 here acting like you are going to Jiffy Lube. I
 24 just want to say, look, you don't do it at every

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1 visit.
2 MR. MONICO: He did not say you do it at
3 every visit. He said it's something you do over
4 a period of time with seeing a patient. He
5 didn't say you do it every visit. If you are a
6 physician that sees your patient on a regular
7 basis, you probably don't have to do it. If you
8 are doing it once a year, maybe you should be
9 doing it.
10 MR. ANDERSON: I made my request. All I'm
11 trying to do is ask his personal practice. He
12 does not perform these.
13 THE COURT: Has he ever performed them?
14 MR. ANDERSON: I don't know.
15 THE COURT: I don't know his testimony.
16 MR. ANDERSON: I'm flying blind. I don't
17 know.
18 MR. MORRISSEY: He didn't ask these questions
19 in the dep. So I mean, that's the problem we are
20 having. I don't think you get to introduce
21 personal practices unless they --
22 THE COURT: Unless they vary from what he
23 said the standard of care was, but he did not say
24 the standard of care was performing these tests.

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1 MR. ANDERSON: Okay. That's fine.
2 Second issue, different issue, I would
3 like to renew my request to bring in the subject
4 of the bowel movements with Dr. Klapman to the
5 extent he has claimed that all of these prior
6 behaviors were TD or TA caused by other drugs and
7 Dr. Klapman and did not have this young man on
8 any of those -- I'm sorry, did not have him on
9 any antipsychotics at the time that he was
10 playing with his bowel movements.
11 MR. VELTMAN: If I could just add to that,
12 what has changed on the scope of things is that
13 he has now taken a look at the 2008 activities
14 that were in the February 12th letter at school
15 and said that also is related to the drug
16 withdrawal.
17 I think we should have at least an
18 opportunity now through our expert, if not on
19 cross-examination of Dr. Breggin, to point out
20 that this behavior now existed prior to the
21 neuroleptics and after the neuroleptics because
22 he's blaming it on the drugs.
23 MR. MORRISSEY: Your Honor, I think your
24 ruling before was pretty clear that we would stay

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1 away from the prior episode and we would focus on
2 that. I didn't ask any questions about this. It
3 was brought up on cross. He walked into it, and
4 he asked are these behaviors consistent with just
5 his underlying behaviors? Are they coming out
6 now. He didn't get the right answer he wanted.
7 That's not my fault.
8 MR. ANDERSON: I got exactly what I wanted.
9 MR. MORRISSEY: That's not my fault.
10 THE COURT: Wait. Wait.
11 MR. MORRISSEY: You don't get to --
12 THE COURT: I think they're completely
13 different behaviors. I mean, he is having an
14 anxiety attack, whatever he is doing in the room,
15 and the problem I have with that incident is that
16 Klapman didn't do anything in response to it.
17 And he didn't even ask about it at the next
18 visit.
19 MR. ANDERSON: He wasn't on any drugs that
20 supposedly caused it. The neuroleptics
21 supposedly caused the behavior because what he's
22 saying over there -- this is why I asked him that
23 because I wanted to hear it. He's saying that
24 the behavior in 2008 was withdrawal from

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1 neuroleptics. He wasn't on any neuroleptics.
2 MR. MONICO: You are taking a leap and saying
3 that because someone does two things, therefore,
4 the exact same reason, there's no tie up there.
5 Someone can do two -- do the same thing for
6 several different reasons, whether it's mania,
7 whether it's psychosis, whether it's whatever.
8 It doesn't matter.
9 So I don't see how you get to now
10 bootstrap in what you wanted to ask him simply by
11 asking him this question. We all knew what the
12 answer is going to be now what that condition
13 was. You don't get to bootstrap now all of a
14 sudden and go around the ruling by saying he's
15 now created an issue. You have opened the door.
16 That doesn't mean that we have opened the door or
17 the things change -- if the door isn't open, then
18 there's no reason to be addressing it.
19 MR. MORRISSEY: I didn't even address it with
20 him on the direct.
21 THE COURT: I was going to say they are
22 trying to say that he wasn't on drugs and what
23 does that behavior -- what does that behavior
24 mean?

<p style="text-align: right;">Page 118</p> <p>1 MR. ANDERSON: I understand what you are 2 saying which is you are not convinced there's 3 enough probably a description of this to -- 4 THE COURT: If this behavior is associated 5 with autism or associated with this, we are going 6 to follow this behavior because it's serious 7 behavior, then I get it. I don't know if it's 8 just a three-year old acting like a three-year 9 old. That's my concern about it. I mean, I wish 10 we could have, you know -- 11 MR. VELTMAN: Just two points briefly, 12 Klapman did testify that he thought it was a 13 significant event that made him consider 14 Risperdal. He did not view it as a three-year 15 old playing as a three-year old. It was a 16 significant event in the autism that he testified 17 raised it to a more severe autism. 18 And what I think since our expert is 19 entitled to criticize and respond to are the 20 opinions given in court of Dr. Breggin that I 21 would expect what our expert would do then is to 22 say I disagree with Dr. Breggin's -- 23 THE COURT: What did your expert say about 24 that incident? Did your expert address that</p>	<p style="text-align: right;">Page 120</p> <p>1 Dr. Breggin, thank you. I have no further 2 questions. 3 THE COURT: Mr. Morrissey, redirect? 4 MR. MORRISSEY: Yes, Judge, very briefly. 5 REDIRECT EXAMINATION 6 BY MR. MORRISSEY: 7 Q. Hello again, Doctor. I promise to be 8 quick. 9 Remember you were talking with counsel 10 about early signs of TD and you went over the 11 stuff from February 2nd. Do you remember that? 12 A. Yes, sir. 13 Q. You also talked about the tongue 14 thrusting on August 22nd, 2007. Do you remember 15 that? 16 A. Yes. 17 Q. Then there was that visit in between, 18 wasn't there, June 15th, and there was the 19 seizure-like activity? 20 A. Yes. 21 Q. Could that be a sign of TD? 22 A. Yes. 23 MR. ANDERSON: Objection. Beyond the scope. 24 I never raised that issue.</p>
<p style="text-align: right;">Page 119</p> <p>1 incident? 2 MR. VELTMAN: The February of '08 incident? 3 THE COURT: No. The first fecal incident 4 when the child was young and he -- 5 MR. VELTMAN: No. I don't think so. 6 MR. MORRISSEY: And he doesn't get to address 7 it now. What's said in open court, he can't 8 comment on. That's improper. 9 THE COURT: Well, you can do it 10 hypothetically, I think. 11 MR. MONICO: It needs to be disclosed. 12 THE COURT: That's my concern. None of this 13 has been disclosed or brought out by these 14 experts. None of them has been relied on it and 15 says that this shows his behavior was X, Y, and 16 Z. I don't have anything to tie it together. So 17 I'm going to let it out. I am going to stand on 18 my ruling. 19 MR. ANDERSON: In this case, I'm done. 20 MR. MORRISSEY: I have five questions. 21 (Whereupon, the following 22 proceedings were held in open 23 court.) 24 MR. ANDERSON: Your Honor, thank you.</p>	<p style="text-align: right;">Page 121</p> <p>1 THE COURT: Overruled. Overruled. 2 BY MR. MORRISSEY: 3 Q. Doctor, seizure-like episode, can that 4 be early evidence of TD? 5 A. It's really common for parents to 6 describe that or spouses to describe that because 7 of the unusual movements. And they're out of the 8 person's control, so maybe that's a seizure, 9 understandable mistake. 10 Q. So it appears like the patient is having 11 a seizure when in fact it's just abnormal 12 movements? 13 A. Yeah. It appears to the layperson 14 understandably, probably not to a trained 15 physician, but even there you can get confused. 16 Q. I believe also on that record, it said 17 something like Mike Angel had lots of jumping 18 around. Do you remember that? 19 A. Yes. 20 Q. What's the significance of that? 21 A. Well, as soon as you see that with 22 someone on antipsychotic drugs, you have to worry 23 about the tardive akathisia, that drivenness to 24 move especially -- well, especially when they're</p>

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1 on drugs.
2 Q. August 22nd, that was the office visit
3 regarding the tongue thrusting, right?
4 A. Yes, sir.
5 Q. Then you were asked a question about,
6 well, where did you get the couple-week delay in
7 getting him to see Dr. Segal?
8 A. Yes. It's from the records.
9 Q. Maybe from Dr. Segal's own testimony?
10 A. Yes.
11 Q. You reviewed his deposition, didn't you?
12 A. Yes.
13 MR. MORRISSEY: May I approach, your Honor?
14 THE COURT: Yes, you may.
15 BY MR. MORRISSEY:
16 Q. Can you look at Page 119, Doctor?
17 A. Okay.
18 Q. Are you there, Doctor?
19 A. Yes, I am.
20 Q. His testimony was that mom had made a
21 phone call to the office alerting Dr. Segal to
22 the tongue thrusting, right?
23 A. That's right.
24 Q. My first question is any documentation

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1 in Dr. Segal's records about the phone call?
2 A. No.
3 Q. But he did talk about it in his
4 deposition, didn't he?
5 A. Yes, he did.
6 Q. As to the timing, he said you are not --
7 the question was you are not exactly sure when in
8 time that occurred, meaning the phone call, but
9 you estimated it to be probably late July?
10 Answer, mid to late July.
11 Is that right?
12 A. Yes, sir.
13 Q. So it's Dr. Segal himself who gave you
14 the timing of the phone call?
15 A. Yes, sir.
16 Q. Now, you said it was reasonable to taper
17 the Zyprexa once there was evidence of tongue
18 thrusting. Do you remember that testimony?
19 A. Yes.
20 Q. Was it also reasonable to lower the dose
21 and then say give me a call in a couple of weeks?
22 A. No.
23 Q. Why not?
24 A. Well, there was a major dose reduction,

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1 huge dose reduction. And you can expect
2 catastrophe in the next day or two when you do at
3 that.
4 Q. So to comply with the standard of care,
5 what did Dr. Segal need to do?
6 A. Oh, you make a very small reduction
7 unless you are going to put the person in a
8 hospital, which you could also do. Even if you
9 don't work in a hospital, you can have the person
10 admitted. And you make a -- but let's say we are
11 doing it outside, you make small reduction and
12 you tell the mom here is my cell phone and you
13 stay in touch with me and you call me tomorrow or
14 the next day. Anything weird, anything, if your
15 son just starts doing anything out of the
16 ordinary, he gest suicidal, he gets violent, he
17 gets upset, he starts vomiting is one of the
18 things that could happen, you let me know right
19 away. And you stay on top of it, and you don't
20 make a big reduction like that because that is
21 guaranteed to fail. That's going to go nowhere.
22 Q. When a physician makes a reduction and
23 tapers like that from 30 milligrams down to
24 15 milligrams, would you expect the patient's

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1 movements to get worse?
2 A. Usually you are going to get a worsening
3 of the movements and a worsening of the whole
4 emotional state. Remember, the brain has been
5 accommodating. The brain has been accommodating.
6 You have taken away now 50 percent of what's been
7 pushing the brain down. The brain is like
8 bursting. It's like a pressure cooker.
9 Q. When Dr. Segal tapered the medication as
10 he did on August 22nd, 2007, did he tell
11 Mrs. Angel, hey, I'm going to lower the dose, but
12 your son is going to get worse before he gets
13 better?
14 MR. ANDERSON: Objection to the form of the
15 question as to what he was told.
16 THE COURT: Can you rephrase it?
17 BY MR. MORRISSEY:
18 Q. At the August 22nd visit, did Dr. Segal
19 tell mom that when he reduces the meds, the
20 movements are going to get worse?
21 MR. ANDERSON: Same objection, your Honor.
22 THE COURT: Overruled.
23 THE WITNESS: No. There's no evidence he did
24 that.

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1 BY MR. MORRISSEY:
2 Q. Did they in fact get worse?
3 A. Yes.
4 Q. Lastly, you talked about Paxil and
5 autism and not giving Paxil to an autistic child.
6 Autism for lack of a better word is a social
7 deficit disorder, is it, Doctor?
8 A. Yes, sir.
9 Q. So why wouldn't you -- why wouldn't it
10 be prudent to give a child with autism Paxil?
11 A. Well, if you look at the label for
12 Paxil, it lists a whole bunch of side effects.
13 And it lists again and again and puts it in a
14 medication guide, and it includes disruptive
15 behavior. It includes, you know, losing
16 inhibition. It includes impulsivity. It
17 includes mania, and there's indication he
18 actually got manic, high-like, euphoric on the
19 drug.
20 So you are giving someone emotional a
21 mostly destabilizing drug. This is a large
22 percentage of the drug that this will happen to
23 who are put on these drugs.
24 Q. Do autistic children already lack

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1 inhibition?
2 A. They can.
3 Q. Would the drug then aggravate that?
4 A. It will certainly aggravate it, yes.
5 MR. MORRISSEY: Thank you, that's all.
6 THE COURT: Thank you.
7 Mr. Anderson?
8 MR. ANDERSON: We are going to get this done
9 in two questions. May I approach?
10 THE COURT: Yes, you may.
11 RECCROSS-EXAMINATION
12 BY MR. ANDERSON:
13 Q. Who started Michael Angel on Paxil?
14 A. Dr. Klapman.
15 Q. When?
16 A. Soon after he came to see him within
17 months as I recall.
18 Q. Now, you are going to make me ask a
19 third question.
20 It was January 2002, wasn't it?
21 A. Okay.
22 Q. Thank you.
23 So he would have been on it for about
24 3 years before he came to see Dr. Segal?

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1 A. Yes. He was on it for quite awhile.
2 MR. ANDERSON: Thanks. That is all I have,
3 your Honor.
4 THE COURT: Any redirect?
5 REDIRECT EXAMINATION
6 BY MR. MORRISSEY:
7 Q. Who continued him on Paxil?
8 A. Dr. Segal.
9 Q. Did he have to do that or did he have an
10 independent duty to make his own judgment?
11 A. Oh, he definitely had an independent
12 duty to make his own judgment and to look back
13 and say disturbed child from when he was first
14 seen. We have never seen him off
15 antidepressants. Every bit of disturbance is in
16 the literature and in the label, literature and
17 label, is being produced by the drug.
18 A lot of people don't recommend giving
19 these drugs to children, haven't been approved
20 for children. They have been outlawed in
21 Great Britain for children. Let's not do it.
22 Let's take a look if we can get him off slowly.
23 MR. MORRISSEY: Thank you.
24 THE COURT: Mr. Anderson?

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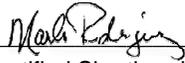
1 MR. ANDERSON: I guess my standing in the
2 middle of the question ruined it.
3 RECCROSS-EXAMINATION
4 BY MR. ANDERSON:
5 Q. By the end of 2005, he got him off
6 Paxil, right?
7 A. I would have to go back and review.
8 He's off Paxil. He's onto something else.
9 Q. Not an SSRI?
10 A. Let me go back and review that with you,
11 sir. It's one of the few things that my memory
12 is not backing me up very well. So by the end
13 of --
14 Q. By December of 2005, he did manage to
15 get Michael Angel off Paxil, true?
16 A. Yes. By August of 2005.
17 MR. ANDERSON: That's all I have. Thank you.
18 THE COURT: Mr. Morrissey?
19 MR. MORRISSEY: Nothing, your Honor.
20 THE COURT: Doctor, you may step down.
21 (Witness excused.)
22 THE COURT: Ladies and gentlemen, we are
23 finished for the day. We will start up again at
24 9:30 tomorrow providing that everyone gets here

1 safely and that the transportation works
 2 sufficiently. Hopefully it will. And again, do
 3 not discuss this case with anyone. Do not do any
 4 internet research, Facebook, Twitter, blogging,
 5 all of that jazz regarding your jury service or
 6 the parties, lawyers, witnesses, the medical
 7 issues, any aspect of the case, and have a good
 8 evening and safe trip home.

9 (Whereupon, further proceedings
 10 in said cause were adjourned to
 11 February 7, 2014 at the hour of 9:30 a.m.)
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1 STATE OF ILLINOIS)
 2) SS:
 3 COUNTY OF C O O K)
 4

5 Marlo Rodriguez, being first duly sworn,
 6 on oath says that she is a court reporter doing
 7 business in the City of Chicago; and that she
 8 reported in shorthand the excerpt proceedings of
 9 said trial, and that the foregoing is a true and
 10 correct transcript of her shorthand notes so
 11 taken as aforesaid, and contains the excerpt
 12 proceedings given at said trial.
 13

14 
 15 Certified Shorthand Reporter 

16
 17 SUBSCRIBED AND SWORN TO
 18 before me this _____ day
 19 of _____ 2014.
 20
 21
 22

23 _____
 24 Notary Public