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UNITED STATES OF AMERICA
FEDERAL TRADE COMMISSION
OFFICE OF ADMINISTRATIVE LAW JUDGES

In the Matter of:)
IMPAX LABORATORIES, INC,)
a corporation,) Docket No. 9373
Respondent.)
-----)

November 9, 2017
10:35 a.m.

TRIAL VOLUME 11
PART 1, PUBLIC RECORD

BEFORE THE HONORABLE D. MICHAEL CHAPPELL
Chief Administrative Law Judge
Federal Trade Commission
600 Pennsylvania Avenue, N.W.
Washington, D.C.

Reported by: Josett F. Whalen, Court Reporter

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FEDERAL TRADE COMMISSION

I N D E X

IN THE MATTER OF IMPAX LABORATORIES, INC.

TRIAL VOLUME 11

PART 1, PUBLIC RECORD

NOVEMBER 9, 2017

8 WITNESS:	DIRECT	CROSS	REDIRECT	RECROSS	VOIR
9 HOXIE	2664	2727	2904	2914	

EXHIBITS FOR ID IN EVID IN CAMERA STRICKEN/REJECTED

CX

(none)

RX

(none)

JX

(none)

1 P R O C E E D I N G S

2 - - - - -

3 JUDGE CHAPPELL: We're back on the record.

4 Next question.

5 - - - - -

6 Whereupon --

7 THOMAS HOXIE

8 a witness, called for examination, having been
9 previously duly sworn, was examined and testified as
10 follows:

11 MS. PEAY: Good morning, Your Honor.

12 At this time, Your Honor, I tender Mr. Hoxie as
13 an expert in pharmaceutical patent licensing,
14 pharmaceutical patent litigation and pharmaceutical
15 patent prosecution.

16 I submit that he is qualified by reason of his
17 thirty-plus years of professional experience in the
18 field of pharmaceutical patent law, his education and
19 his training to provide expert testimony rebutting
20 opinions expressed in the expert report of
21 Mr. E. Anthony Figg.

22 JUDGE CHAPPELL: Anything else?

23 MS. PEAY: That is all, Your Honor.

24 MR. HASSI: Your Honor, you may tell me this is
25 a matter for cross, but we have no objection to

1 qualifying Mr. Hoxie as an expert in patent licensing
2 and patent prosecution. I don't think we've heard
3 sufficient information to qualify him and indeed we
4 don't think he is an expert in patent litigation,
5 Your Honor.

6 JUDGE CHAPPELL: All right. If that's an
7 objection to him testifying, it's overruled. But as I
8 always say, any opinions that meet the proper legal
9 standards will be considered.

10 Go ahead.

11 MR. HASSI: Understood, Your Honor.

12 MS. PEAY: Thank you, Your Honor.

13 - - - - -

14 DIRECT EXAMINATION (continued)

15 BY MS. PEAY:

16 Q. Mr. Hoxie, in general terms, can you describe
17 how you came to arrive at your opinions in this case?

18 A. Yes.

19 Well, first I reviewed Mr. Figg's report, and
20 then I reviewed the documents cited in Mr. Figg's
21 report, I reviewed some other documents that were part
22 of the discovery record in this case I understand and
23 applied my -- my training, my experience, to analyzing
24 those documents and reached my conclusions and wrote
25 them up in a report.

1 Q. Let's turn to Mr. Figg's opinion that while the
2 outcome of the '933 and '456 patent litigation was
3 uncertain, the district court's claim construction
4 ruling made an unfavorable outcome for Impax more
5 likely than not.

6 Have you been asked to respond to that
7 opinion?

8 A. Yes, I have.

9 Q. Do you agree with -- first, do you agree with
10 Mr. Figg that the patent litigation is uncertain?

11 A. Yes, I do.

12 Q. Next, do you agree with Mr. Figg that the
13 court's claim construction ruling made an unfavorable
14 outcome for Impax more likely than not?

15 A. I disagree with that conclusion.

16 Q. Before we get into the details of that opinion,
17 sir, can you please explain generally what the '933 and
18 '456 patents are directed to.

19 A. Yes. The two patents -- the claims of the two
20 patents that were asserted in this case are directed to
21 controlled-release formulations for oral
22 administration, for example, tablets, that contain
23 certain types of excipients and are used to deliver any
24 active pharmaceutical ingredient. There's no
25 limitation in the asserted claims to any particular

1 ingredient, active ingredient.

2 Q. In the patent litigation related to the
3 '933 and '456 patents, did Endo assert infringement
4 claims against Impax?

5 A. Yes, they did.

6 Q. Briefly, what did Endo need to show to prove
7 that Impax' generic oxymorphone ER product infringed
8 its patents?

9 A. Well, Endo need to show -- needed to show that
10 the Impax formulation met each and every limitation of
11 the asserted claims.

12 Q. In the '933 and '456 patent litigation, did
13 Impax assert that Endo's patents were invalid?

14 A. Yes, they did.

15 Q. Briefly, what did Impax need to show to prove
16 that Endo's patents were invalid?

17 A. Well, Impax needed to show -- Impax raised
18 three grounds of invalidity, anticipation, obviousness
19 and, for certain patents, lack of adequate written
20 description. They would have needed to establish,
21 you know, facts by clear and convincing evidence that
22 would meet the legal standard for -- for those
23 defenses.

24 Q. At a high level, what opinion have you offered
25 in response to Mr. Figg's opinion that the court's

1 claim construction ruling made an unfavorable outcome
2 for Impax more likely than not?

3 A. Well, I feel that -- I -- it's my opinion that
4 the judge's claim construction in some ways introduced
5 additional uncertainty into the case. And although it
6 allowed the case to go forward, so, in other words, I
7 mean, if the judge had ruled differently, perhaps there
8 wouldn't have been a trial at all, so it was favorable
9 to Endo in that sense, but the --

10 JUDGE CHAPPELL: Hold it. When an attorney
11 stands, you need to cut off your answer and hold.

12 THE WITNESS: Yes, sir.

13 MR. HASSI: Your Honor, I think we're getting
14 past the scope of his report. In particular, where he
15 talks about whether, if the judge had ruled
16 differently, there might not have been a trial at all,
17 I don't think, for example, that that's anywhere in his
18 report.

19 MS. PEAY: Your Honor, Mr. Hoxie addresses his
20 opinion regarding --

21 JUDGE CHAPPELL: Either show it to opposing
22 counsel or lay a foundation with the witness. We have
23 an objection beyond the scope of the report.

24 (Pause in the proceedings.)

25 The other option is concede and move on if you

1 can't do either.

2 The pending response which he hadn't finished
3 will not be considered until we resolve the objection.

4 MS. PEAY: I will withdraw the question and ask
5 it again.

6 JUDGE CHAPPELL: Thank you.

7 So the objection is sustained. To the extent
8 there's half an answer in the record, it won't be
9 considered.

10 MR. HASSI: Thank you, Your Honor.

11 BY MS. PEAY:

12 Q. Mr. Hoxie, what opinion have you offered in
13 response to Mr. Figg's opinion that the court's claim
14 construction ruling made an unfavorable outcome for
15 Impax more likely than not?

16 A. It's my opinion that the court's claim
17 construction created substantial difficulties for Endo
18 in proving its infringement case and furthermore that
19 it opened up additional prior art, which could be used
20 by Impax to argue -- to support its anticipation and
21 obviousness defenses.

22 Q. Mr. Hoxie, do you hold that opinion with a
23 degree of certainty reasonable in your professional
24 field?

25 A. Yes, I do.

1 Q. At a high level, how did the claim construction
2 ruling raise potential problems for Endo's infringement
3 case?

4 A. The claim construction, which came subsequent
5 to the expert reports in this case, did not -- was not
6 supported by the data that was presented by Endo's
7 experts. And because of the way the claim construction
8 was, it was functional, it was these functional
9 limitations in the claims, there was no -- the
10 experimental data did not support that these
11 limitations were met.

12 Q. And at a high level, how did the claim
13 construction ruling raise potential problems for Endo
14 in defending against Impax' invalidity case?

15 A. Well, there was -- there was a basic
16 inconsistency in -- in the -- in Endo's position,
17 which I discuss in my report.

18 In order to argue that the experimental data
19 was not needed to show infringement in this case, it
20 also undercut their argument that the experimental data
21 would have been required to show that the prior art
22 reference disclosures would -- would anticipate or make
23 obvious the claims.

24 Q. I'd like to turn to discuss your response to
25 Mr. Figg on the effect -- Mr. Figg's opinion on the

1 effect of the court's claim construction that -- of --
2 the effect of the court's claim construction of Endo's
3 infringement case.

4 Mr. Hoxie, did you review the court's claim
5 construction order in the '933 and '456 litigation?

6 A. Yes, I did.

7 Q. Did you review the parties' pretrial briefs?

8 A. Yes.

9 Q. And did you review the expert reports filed in
10 that litigation?

11 A. Scientific experts, yes.

12 Q. Mr. Figg offers the opinion that the court's
13 claim construction made it significantly more likely
14 that Endo would be able to prove infringement.

15 Mr. Hoxie, have you been asked to respond to
16 that opinion?

17 A. Yes, I have.

18 Q. Do you agree with Mr. Figg's opinion?

19 A. No, I do not.

20 Q. What were the primary terms construed under the
21 district court's claim construction order?

22 A. Well, the most hotly disputed terms were the
23 limitation in the claims that the claims -- that the
24 formulation contain a sustained-release excipient, the
25 definition of "sustained release," and also the -- they

1 needed to contain a hydrophobic ingredient, and the
2 definition of "hydrophobic" was disputed.

3 Q. And were these two terms found in all of the
4 asserted claims of the '933 and '456 patents?

5 A. Yes, they were.

6 Q. Whose proposed claim construction did the
7 district court ultimately adopt?

8 A. They adopted Endo's.

9 Q. At a high level, what is the significance of a
10 claim construction order?

11 A. Well, a claim construction order defines the
12 terms of the claims for purposes of infringement and
13 also for purposes of determining invalidity, so at a
14 high level, it -- it sort of lays the groundwork for
15 the -- for the attorneys on both sides to determine
16 whether the product is -- is -- whether the accused
17 product infringes the claims and also whether the
18 claims cover or were made obvious by the prior art or
19 whether the claims are overbroad or indefinite or not
20 enabled by the prior art -- or not enabled by the
21 disclosure.

22 Q. Is a claim construction ever dispositive?

23 A. It may be.

24 Q. Under what circumstances?

25 A. For example, if there is a claim -- if there's

1 a determination that the accused -- that the accused
2 product does not have -- does not meet one of the
3 limitations of the claims and would not infringe,
4 for example, or a determination that the claim
5 covers -- the claim is interpreted in such a way as to
6 cover the prior art, then it would be anticipated.

7 I mean, there -- there are many ways.

8 Q. Mr. Hoxie, what was the definition of
9 "hydrophobic material" that was adopted by the district
10 court in its claim construction order?

11 A. Well, broadly speaking, the district court
12 adopted a functional definition of the claim, and they
13 said a hydrophobic material was a material that would
14 slow the hydration of the gel matrix without disrupting
15 the gel.

16 Q. With respect to the term "hydrophobic
17 material," do you agree with Mr. Figg's opinion that
18 the court's claim construction order made it
19 significantly more likely that Endo would be able to
20 prove infringement?

21 A. I did not -- I did not agree with that.

22 Q. Why do you disagree?

23 A. Well, the experiments that were done by --
24 by -- it was -- it was of course Endo's burden. And
25 the experiments that were done by Endo's experts

1 were -- did not show that the -- the component, which
2 was the microcrystalline cellulose identified by Endo
3 as the hydrophobic component -- they did not show that
4 the microcrystalline cellulose had any effect on the
5 dissolution of the tablets or the release of the drug.

6 And that -- and that was conceded by -- that
7 was conceded by Endo's infringement expert,
8 Dr. Lowman. That was a serious problem, that the --
9 the material that they claimed caused -- you know,
10 was -- the material that they claimed met this
11 functional definition of "hydrophobic material" did not
12 in fact have the effect that it was -- that it needed
13 to have in order to meet that claim limitation meant
14 that the claim was not infringed.

15 And Dr. -- and Impax' expert, Dr. Elder,
16 particularly in his rebuttal report, laid that out I
17 thought in a very convincing way.

18 And that raised substantial questions about the
19 viability of Endo's case.

20 Q. Turning to the claim term "sustained release,"
21 do you agree with Mr. Figg's opinion that the court's
22 claim construction made it more likely that Endo would
23 be able to prove infringement?

24 A. I do not agree with that.

25 Q. What was the definition of "sustained release"

1 that was adopted by the district court?

2 A. The district court again adopted a functional
3 definition that the sustained release was a -- was --
4 it was an excipient or it described the excipient that
5 would provide a release over -- so -- such that a
6 patient would have therapeutically effective levels of
7 active ingredient in blood plasma after more than
8 twelve hours.

9 Q. Mr. Hoxie, why do you disagree with Mr. Figg's
10 opinion that the court's claim construction order --
11 claim construction of the term "sustained release" made
12 it more likely that Endo would be able to prove
13 infringement?

14 A. I felt that this -- well, I -- it's my opinion
15 that this, this claim construction, introduced a lot of
16 uncertainty. And in particular, Endo did not have
17 data relating to the effect that a single -- that a
18 single tablet would have on blood levels in a patient.

19 And in fact, Dr. -- Dr. Lowman conceded that
20 the amount of blood -- the amount -- the amount of
21 therapeutically active ingredient in the blood after
22 twelve hours after administration of a single tablet
23 would be -- would be minimal.

24 And the claims -- the claims that -- that
25 limitation is a limitation that relates to a method of

1 administering the tablet, each tablet over twelve
2 hours, multiple tablets multiple times in multiple
3 twelve-hour periods. But the claims are directed to a
4 controlled-release dosage form, so a tablet. They're
5 not related to a method of administering many tablets
6 over many twelve-hour periods to reach some
7 steady-state blood level that would provide a
8 therapeutic effective amount.

9 Additionally, that -- that claim construction
10 "therapeutically effective amount" leaves open the
11 question of what drug, because the claims are not
12 limited to any particular drug. They're not directed
13 to oxymorphone, for example, specifically.

14 They -- it leaves open the question of what
15 patient. Therapeutically effective amount for a
16 300-pound man or five-year-old child might be quite
17 different.

18 And something -- as Endo itself emphasized in
19 its subsequent patents, the '122 patent and related
20 patents, the therapeutically effective dosage of an
21 opiate of oxymorphone varies very much from patient to
22 patient. Different people respond to that particular
23 drug in very different ways and may even respond to
24 that drug -- the same person may respond to that drug
25 in different ways on different days.

1 So the problem you have with that claim
2 construction is you don't know whether the claim is
3 infringed until somebody has actually taken the tablet
4 and you measure the blood levels and you find out
5 whether they do or don't have a therapeutically
6 effective amount in their blood after twelve hours.
7 There's really no other way to know.

8 And as Endo had no -- you know, no clinical
9 data regarding therapeutically effective blood levels
10 after administration of a tablet, only they had
11 data -- the data that Impax had submitted in the
12 context of a method of administering many tablets in
13 successive twelve-hour periods, they didn't have the
14 data they needed to show infringement of that element.

15 Q. Mr. Hoxie, I'd now like to discuss your
16 response to Mr. Figg's opinion that it was likely that
17 Endo would prevail on the invalidity claims asserted by
18 Impax.

19 A. Yes.

20 Q. What invalidity claims did Impax assert
21 against Endo's '933 and '456 patents, if you can
22 remind us?

23 A. Yes. They asserted anticipation, obviousness
24 and, for certain claims, lack of adequate written
25 description.

1 Q. What does "anticipation" mean in this context?

2 A. "Anticipation" means the claim covered
3 something that was already known, something that was
4 already available in the prior art.

5 "Prior art" is a term used in patent law to
6 refer to prior publications, prior patents, prior --
7 prior uses and sales, things -- ways in which the --
8 something might be made available to the public.

9 The patent claim is not allowed to cover
10 things that are already known. It's not allowed to
11 take away from the public what the public already had,
12 you know, what the public could already do.

13 Q. And you referred to obviousness.

14 What does "obviousness" mean in this context?

15 A. "Obviousness" refers to a situation where
16 the -- what is claimed is maybe not specifically
17 precisely disclosed in a particular prior art reference
18 but is nevertheless obvious to a person of ordinary
19 skill in the art from that reference or from a
20 combination of references or a combination of teachings
21 in the prior art.

22 Q. And lack of adequate written description, what
23 does that mean in the context of an invalidity claim?

24 A. Well, the claims needed to -- need to be
25 supported by an adequate written description, as

1 required by the patent statute. And the description
2 needs to be -- needs to be sufficient so as to
3 demonstrate to a person of ordinary skill in the art
4 that the inventor was in possession of the claimed
5 invention.

6 Typically, that may be -- there are various
7 factors that go into written description. The most
8 straightforward is where you have an actual example of
9 a -- of what is claimed or you may have where you have,
10 as in this case, a generic claims -- by "generic" I
11 mean that it covers many, many different individual --
12 for example, this claim covered any pharmaceutical
13 active ingredient in a particular sustained-release
14 formulation. You need to have a representative number
15 of examples.

16 They pointed out that this particular -- these
17 particular patents only disclosed a single act- -- only
18 disclosed or exemplified in their examples a single
19 active ingredient, a sustained-release form of
20 albuterol, and they didn't disclose, you know, 3 or 4
21 or 10 or 15 or however many it would take to convince a
22 person of ordinary skill in the art that they had
23 possession of the invention broadly enough to claim all
24 active pharmaceutical ingredients in such a
25 formulation.

1 Q. And Mr. Hoxie, I'd like to discuss each of
2 Impax' invalidity arguments separately now.

3 Mr. Figg offered the opinion that the trial
4 judge was more likely than not to side with Endo on the
5 issue of anticipation after the claim construction
6 ruling.

7 Do you agree with Mr. Figg?

8 A. I disagree.

9 Q. Why not -- why do you disagree with him?

10 A. As Dr. Elder, who was Impax' expert at the
11 trial, had laid out I thought very convincingly, there
12 were a number of prior art documents. And in
13 Dr. Elder's report there's sort of two buckets of prior
14 art documents.

15 Some prior art documents are directed to a
16 formulation -- for formulations which Dr. Elder
17 contended would anticipate the patent under any claim
18 construction. And then there were a whole number of
19 additional documents where Dr. Elder -- which -- where
20 the formulations contained microcrystalline cellulose.

21 And microcrystalline cellulose is a very
22 common pharmaceutical excipient. And it's --
23 Dr. Elder -- as Dr. Elder's report shows, it's found in
24 a great many -- in a great many sustained-release
25 formulations.

1 And if you were going to argue that
2 microcrystalline cellulose was -- you know, had these
3 hydrophobic properties, in the case of Impax' tablet,
4 you would also have to concede that it would have those
5 same properties in the case of all the prior art
6 formulations.

7 So Impax -- or Endo was in a difficult position
8 here because they needed to say, Oh, we don't really
9 need scientific data to prove that microcrystalline
10 cellulose is acting as a hydrophobic excipient in
11 accordance with the judge's claim construction for
12 purposes of proving infringement, but you absolutely
13 need it for purposes of showing anticipation.

14 There was an obvious inconsistency in that
15 argument, and the Impax attorneys -- and I've quoted
16 this I think in my report -- pointed out that there was
17 a direct contradiction between Dr. Lowman, who was
18 Endo's infringement expert, his testimony that
19 microcrystalline cellulose was -- was necessarily
20 hydrophobic within the meaning of the judge's claim
21 construction and the testimony of their validity
22 expert, Endo's validity expert, who said that you
23 couldn't know without testing.

24 So that was -- that was a -- that presented a
25 problem -- that presented a problem for Endo. I don't

1 think it was nearly as clear-cut as Mr. Figg suggested
2 that it was.

3 Q. And Mr. Hoxie, in general, what is the
4 significance of having more prior art references
5 relevant to the invalidity analysis?

6 A. Well, it -- I mean, a patent of course could
7 be invalidated by as little as one prior art
8 reference, but certainly the more prior art references
9 you have, the more difficult it is for the -- it may be
10 for the -- for the -- for the -- for the patentee to
11 distinguish those references.

12 Q. Let's turn to Impax' invalidity arguments
13 related to obviousness.

14 At a high level, what were Impax' obviousness
15 arguments?

16 A. Well, Impax' obviousness arguments were --
17 were similar to its anticipation arguments. They were
18 simply that there were many sustained-release
19 formulations for many drugs known in the art and/or
20 sustained-release formulations, controlled-release
21 formulations of drugs known in the art, and there were
22 many -- and they cited to a number of particularly
23 patents that -- that described and claimed such
24 formulations.

25 And what they said was that even if the exact,

1 specific details of the claims -- and this related
2 largely to the dependent claims that were cited in the
3 case, which had additional limitations -- even if
4 those limitations were not specifically disclosed in a
5 single reference in the prior art, they would be
6 obvious to a person of ordinary skill in the art
7 because you could combine one reference with another
8 reference and -- and -- and come to the claimed
9 invention with a reasonable probability -- with a
10 reasonable expectation of success.

11 Q. What did Endo argue to overcome Impax'
12 obviousness claims?

13 A. Endo argued similarly to -- it was pretty much
14 the same argument as they raised with respect to
15 anticipation.

16 They argued that you would need experimental
17 evidence to show whether the functional limitations in
18 accordance with the district court's claim
19 construction were met with respect to each of the
20 prior art references, and you didn't have that
21 experimental evidence, therefore you couldn't rely on
22 those references.

23 And again, it raised -- it pointed out --
24 highlighted the same inconsistency, which was that you
25 didn't have the experimental evidence for these prior

1 art references, but you also didn't have the
2 experimental evidence with regard to the -- with regard
3 to the -- the Impax -- the Impax formulation.

4 I mean, what happened was the evidence just
5 came out the wrong way for Endo.

6 Q. And Mr. Figg offered the opinion that the trial
7 judge likely would have found that secondary
8 considerations identified by Endo supported the
9 nonobviousness of their patents.

10 Mr. Hoxie, do you agree with that opinion?

11 A. I do not.

12 Q. And what are -- what are secondary
13 considerations in general?

14 A. Well, secondary considerations is -- it's --
15 it's -- are simply considerations where -- it's simply
16 a situation where, you know, somebody challenging the
17 patent, whether a patent examiner or somebody -- a
18 defendant in an infringement litigation, says this
19 patent is -- this patent is obvious and then the -- the
20 patentee can try to rebut that contention by saying,
21 Well, no, it's not so easy. There are these secondary
22 considerations. The patented product, if it was so
23 obvious, you know, why didn't somebody do it before.

24 And some of the considerations might be it's
25 very successful, if it was obvious, wouldn't somebody

1 have done this, it's very -- it has -- it provides
2 unexpected advantages, it -- you know, the -- these
3 kinds of -- these kinds of -- there was a long-felt
4 need, nobody had -- people had wanted something like
5 this for a long time, but the need was not met, so
6 those kinds of considerations, really sort of
7 common-sense kind of arguments that you might make, and
8 to argue that something is maybe not so easy as people
9 might -- with hindsight might think it is.

10 Q. Why do you disagree with Mr. Figg's opinion
11 that the trial judge likely would have found that
12 secondary considerations identified by Endo supported
13 the nonobviousness of their patents?

14 A. Well, for secondary considerations to be
15 relevant there needs to be a nexus between the
16 secondary considerations that you're relying on and the
17 claimed invention.

18 Now, in this case, the patents don't even
19 mention oxymorphone. The patents -- when Endo
20 submitted its New Drug Application, its NDA, for
21 oxymorphone, they didn't mention these patents. These
22 were not initially listed in the Orange Book, which --
23 they were not identified -- Endo did not identify them
24 to the FDA, as they were supposed to do, as being
25 relevant patents in -- when they filed their NDA. They

1 only submitted them --

2 JUDGE CHAPPELL: Go ahead.

3 MR. HASSI: Your Honor, I think we're drifting
4 well past the report again. I don't think this
5 testimony about listing in the Orange Book, for
6 example, of these patents is -- I don't find that in
7 the report, Your Honor.

8 MS. PEAY: Your Honor, if I may show --

9 JUDGE CHAPPELL: Go ahead.

10 MS. PEAY: -- counsel?

11 (Pause in the proceedings.)

12 MR. HASSI: Withdrawn, Your Honor.

13 JUDGE CHAPPELL: All right. Do you want to
14 continue your answer or start again with the question?

15 THE WITNESS: I'll wait for the question.

16 BY MS. PEAY:

17 Q. Mr. Hoxie, why do you disagree with Mr. Figg's
18 opinion that the trial judge likely would have found
19 that secondary considerations identified by Endo
20 supported the nonobviousness of their patents?

21 A. Well, as I was saying, there is a requirement
22 that the secondary considerations have a reasonable
23 nexus to the -- to the claimed invention.

24 And the claims in this case -- the inventors
25 in this case, so McCall and the other one, they did

1 not work for Endo. This is -- this patent is not --
2 this patent is -- was not -- was not a -- assigned to
3 Endo at that time. This work was done before the work
4 was -- the work to develop the oxymorphone, the
5 Opana XR formulation, before that work was done.

6 So this is -- these are patents that relate to
7 a different invention at a different company by
8 different people for a different product. The title
9 of the patent itself is Sustained-Release Formulations
10 (Albuterol) I think. That might not be an exact quote,
11 but it refers to albuterol. Each of the examples in
12 the patent refer to albuterol.

13 Albuterol is a bronchodilator. It's not an
14 opiate. It's not a painkiller. It has a totally
15 different chemical structure. It has a totally
16 different use. It has totally different physical
17 properties from oxymorphone.

18 So to say that this -- and then I think -- to
19 say that this patent, you know, is supported by the
20 surprising advantages of an oxymorphone formulation
21 that was developed long after does not meet the nexus
22 requirement that the Federal Circuit requires to
23 support secondary admission of -- admission and
24 consideration of secondary considerations.

25 Q. In offering his opinion, Mr. Figg points to a

1 litigation between Endo and Amneal in the
2 Southern District of New York in 2015 to support the
3 secondary considerations of nonobviousness of the
4 '933 and '456 patents.

5 Do you agree with Mr. Figg's opinion that this
6 court decision would support the nonobviousness of the
7 '933 and '456 patents?

8 A. I cannot agree.

9 Q. Why not?

10 A. That court decision had to do with different
11 patents. It did not have to do with the '933 and the
12 '456 patents. It had to do with later patents which
13 Endo filed and which Endo obtained relating to
14 specific formulations of oxymorphone having specific
15 release characteristics.

16 And what the court in that case held is that
17 the -- is that the prior art, which included the
18 '933 and '456 patents, did not meet the long-felt need,
19 did not satisfy the demand for a sustained-release
20 oxymorphone patent.

21 So if you look at what the court actually said
22 in that case, it directly contradicts what Mr. Figg
23 claimed because it -- it -- it says that -- that with
24 respect to those later-filed patents of the -- of Endo,
25 the '122 patent and the other one, that those

1 patents -- only with those patents was the long-felt
2 need and commercial success, and so forth, all those
3 secondary considerations, only with respect to those
4 patents was that long-felt need met.

5 And so that directly contradicts the argument
6 that that need had already been met years earlier by
7 the '933 and '456 disclosures.

8 Q. Let's turn now to Impax' third basis of
9 invalidity. Mr. Figg offers the opinion that it was
10 unlikely that Impax could have prevailed on its written
11 description argument.

12 Mr. Hoxie, do you agree?

13 A. I disagree.

14 Q. Why do you disagree?

15 A. Well, because Dr. -- as Dr. McCall said, the
16 inventor of the '456 and '933 patent, the -- the -- you
17 could -- the information in the patent relating to the
18 plasma levels, in that case the T-max of -- so T-max is
19 the maximum -- the time point at which you have the
20 maximum concentration of active ingredient in the
21 blood.

22 He said that those -- that the data relating
23 to albuterol would -- would not tell you anything
24 about what the T-max would be for some other -- for
25 some other pharmaceutical active ingredient which might

1 have a totally different absorption and metabolism from
2 albuterol.

3 So I -- I think that there was -- there was
4 not reason to believe that those -- the particular
5 claims for which written description is talking about,
6 which had to do with a T-max of a -- particular --
7 particular T-max values, blood values after
8 administration of a controlled-release formulation,
9 that those -- that those could be -- that those claims
10 could -- could suggest that -- that the inventors of
11 the '933 and '456 patent had possession of that
12 invention -- invention with respect to, you know, any
13 and all therapeutic active ingredients, I felt that was
14 a -- that would have been a very -- a very -- I felt
15 that Impax had a very good argument there that they did
16 not have possession of the invention in such broad
17 terms.

18 Q. Mr. Hoxie, in summary, Mr. Figg offers the
19 opinion that the district court's claim construction
20 ruling in the underlying patent litigation between Endo
21 and Impax made an unfavorable outcome for Impax more
22 likely than not.

23 Can you explain at a high level why you don't
24 agree with Mr. Figg.

25 A. An unfavorable for what?

1 Q. An unfavorable outcome for Impax more likely
2 than not.

3 A. I -- I did not -- I didn't think that the
4 claim construction made it -- made it -- made it more
5 likely than not that -- that Endo would win. I felt
6 that the -- there were -- I felt that there -- that
7 Impax' arguments -- and I felt they were very -- very
8 ably presented by Impax' expert, Dr. Elder. His report
9 I thought was very convincing -- raised substantial --
10 raised substantial uncertainty with regard to the
11 outcome of the litigation.

12 I felt that they had -- there was a substantial
13 possibility that Impax would -- would prevail with
14 respect to infringement. And I also felt that there
15 was a substantial --

16 MR. HASSI: Your Honor?

17 THE WITNESS: -- possibility that --

18 JUDGE CHAPPELL: Remember the rule. When an
19 attorney stands, stop speaking.

20 THE WITNESS: Yes, sir.

21 JUDGE CHAPPELL: Do you hear me?

22 THE WITNESS: Yes, sir.

23 MR. HASSI: Your Honor, the witness has just
24 testified that these issues raised substantial --
25 raised substantial uncertainty with regard to the

1 outcome of the litigation. I felt that there was a
2 substantial possibility that Impax would prevail with
3 respect to infringement.

4 His report says nothing about that. It talks
5 about uncertainty, uncertainty, uncertainty, and all of
6 a sudden now we're moving uncertainty to a substantial
7 possibility. We're drifting well beyond the confines
8 of his report.

9 JUDGE CHAPPELL: Are you saying that's a new
10 opinion?

11 MR. HASSI: I'm saying that's a new opinion.

12 JUDGE CHAPPELL: Response?

13 MS. PEAY: Your Honor, I can withdraw that
14 question and ask another question just to clarify
15 this.

16 JUDGE CHAPPELL: Do you want the answer
17 stricken?

18 MR. HASSI: I do, Your Honor.

19 JUDGE CHAPPELL: The response is stricken, will
20 not be considered. Objection sustained.

21 MR. HASSI: Thank you, Your Honor.

22 JUDGE CHAPPELL: And Counselor, I'm advising
23 you, to the extent I need to, do not procure new
24 opinions from your expert witness. He's here for
25 rebuttal only. He's a rebuttal witness. He's

1 rebutting the opinions of respondent's expert. Keep
2 that in mind.

3 MS. PEAY: I understand, Your Honor.
4 Thank you, Your Honor.

5 JUDGE CHAPPELL: Has your witness been advised
6 that he's not allowed to give us new opinions?

7 MS. PEAY: Yes, he has, Your Honor.

8 JUDGE CHAPPELL: If not, I'll advise him.

9 MS. PEAY: Thank you, Your Honor.

10 JUDGE CHAPPELL: Do you understand that, sir?

11 THE WITNESS: Yes, sir.

12 JUDGE CHAPPELL: Stick to your report.

13 THE WITNESS: I believe, Your Honor, that I
14 was.

15 JUDGE CHAPPELL: Go ahead.

16 I've already ruled that you were not.

17 Go ahead.

18 THE WITNESS: Thank you, Your Honor.

19 BY MS. PEAY:

20 Q. Mr. Hoxie, can you explain at a high level, as
21 expressed in your report, why you don't agree that the
22 district court's claim construction ruling in the
23 underlying patent litigation made an unfavorable
24 outcome for Impax more likely than not.

25 A. Well, for the reasons that I've -- that I've

1 already stated, I felt that the district court's claim
2 construction ruling -- that under the district court's
3 claim construction ruling, Endo faced substantially
4 difficulties in showing infringement and that Impax --
5 that Endo faced substantial difficulties in rebutting
6 Endo's -- or Impax' invalidity defenses.

7 Q. And Mr. Hoxie, is it your opinion that Impax
8 would have won the litigation?

9 A. I don't have an opinion one way or the other on
10 that.

11 Q. Why don't you have an opinion one way or the
12 other?

13 A. My opinion -- my -- my role here as I
14 understand it is to respond to Mr. Figg's report. I
15 disagree with Mr. Figg's report that Endo would have
16 won. I think the outcome was uncertain.

17 Q. And Mr. Figg offers the opinion that the
18 district court's claim construction ruling in the
19 underlying patent litigation between Endo and Impax
20 made an unfavorable outcome for Impax more likely than
21 not.

22 In your opinion, at the point in time after
23 the district court issued its claim construction
24 ruling, could the outcome of the patent litigation be
25 predicted?

1 A. It could not be predicted at that stage.

2 Q. Mr. Hoxie, Mr. Figg offered the opinion and he
3 testified that he would give Endo an edge in regards to
4 how the Federal Circuit would ultimately rule on claim
5 construction of the '933 and '456 patents.

6 Do you agree?

7 A. I -- Mr. Figg -- I do not have an opinion one
8 way or the other as to how the Federal Circuit would
9 have ruled, but I -- I think I -- Mr. Figg said, and I
10 agree with Mr. Figg, that particularly on the issue of
11 hydrophobic material Impax made substantial --
12 substantial arguments, and that certainly would have
13 been an issue that could have gone up to the
14 Federal Circuit. And there could have been other
15 issues as well, but that certainly is one issue that
16 could have gone up to the Federal Circuit and could
17 well have presented problems for Endo.

18 Q. Thank you, Mr. Hoxie.

19 Moving on to another opinion expressed by
20 Mr. Figg, Mr. Figg testified and offered the opinion
21 in his report that a final judgment in the patent
22 litigation on the '456 and the '933 patents would not
23 have likely occurred until at least the fourth quarter
24 of 2011 and potentially as late as mid-2013.

25 Have you been asked to respond to that

1 opinion?

2 A. Yes, I have.

3 Q. Do you agree with Mr. Figg?

4 A. I do not agree.

5 Q. At a high level, what opinion have you offered
6 in response to Mr. Figg?

7 A. I think Mr. Figg's opinion assumes that -- I
8 think Mr. Figg's opinion assumes a worst-case scenario
9 in the sense that I mean that -- by "worst-case
10 scenario" I mean that not at each individual step took
11 as long as it could possibly take but that it's not
12 necessarily true that each of these steps would have
13 transpired.

14 Q. Do you hold that opinion with a degree of
15 certainty reasonable in your professional field?

16 A. Yes.

17 Q. Based on your review of Mr. Figg's report,
18 what steps does he opine would have occurred that
19 would have -- would have occurred which would have
20 pushed the litigation out to its final resolution in
21 mid-2013?

22 A. Well, Mr. Figg first assumes that there --
23 that -- that Impax would -- would not have launched
24 following -- would not have launched immediately
25 following the trial, that there would have been some

1 extended period of posttrial briefing, and Impax would
2 have -- would have stayed its hand for that period.

3 Then he assumes that Impax -- that the -- the
4 outcome of that would have been that Impax would have
5 lost and would not have launched, and then there would
6 have been an appeal.

7 Then he assumes that following the appeal
8 there would have been a remand and the -- there would
9 necessarily have been a remand which would have taken
10 additional -- which would have taken an additional
11 several months. And that's how we get out -- each of
12 those steps together, this is how we get out to -- to
13 mid-2013.

14 I think that my conclusions are bolstered by
15 the fact that if -- if indeed the likelihood -- the
16 likelihood was high that there were -- under any
17 circumstances Impax was blocked until mid-2013 and the
18 patents only expired -- and the patents already
19 expired in September of 2013, Endo would have had no
20 real motivation to settle the case. I think the fact
21 that they settled it supports my belief and my opinion
22 that the case could -- that Endo -- that Impax could
23 well have come to market much more quickly and would
24 have been motivated to come to market much more quickly
25 in the absence of a settlement.

1 Q. Mr. Hoxie, let's take those steps you talked
2 about separately here.

3 Mr. Figg testified that a reasonable party in
4 Impax' position would have concluded that it was less
5 likely to prevail ultimately in the patent trial.

6 What is your opinion in response to Mr. Figg's
7 opinion regarding the likelihood that Impax loses at
8 the district court level?

9 A. Well, as I've said, I think Impax could well
10 have won. And if Impax had won, then Impax might well
11 have launched right then.

12 And that's supported by, you know, much of
13 the -- the documents from Impax and from Endo where
14 they were discussing the likelihood and timing of --
15 of -- of an Impax launch. Both Endo and Impax saw that
16 as a -- at least a significant possibility.

17 Q. And next, if you assume --

18 MR. HASSI: Your Honor?

19 JUDGE CHAPPELL: Yes.

20 MR. HASSI: I'm sorry.

21 The witness has just testified that both Impax
22 and Endo considered that an Impax launch at risk was a
23 significant possibility. He mentions this once in his
24 report. He doesn't say "a significant possibility."
25 He uses the words, "There could be a reasonable risk

1 from Impax' perspective."

2 Once again, we're going well past -- new
3 opinions, Your Honor, is my objection. Thank you.

4 MS. PEAY: Your Honor, if I may respond, I
5 believe Mr. Hoxie is using "significant risk" in a --
6 "a significant possibility" and "a reasonable risk"
7 interchangeably.

8 I can ask him that question. If he considers
9 those to be equivalent?

10 JUDGE CHAPPELL: Go ahead.

11 BY MS. PEAY:

12 Q. Mr. Hoxie, do you consider significant -- do
13 you consider significant possibility and reasonable
14 risk to be different from one another?

15 A. I -- I don't see that, see it in that way. I
16 don't think -- I'm not using those terms in my mind
17 differently. It was -- if it's a reasonable risk to
18 do something, then there's a significant possibility
19 that it might be done. That is the way I see it in my
20 mind.

21 I think it might be, you know -- I -- if we
22 want to talk specifically about the documents, I did
23 look at a number of documents. I looked at --

24 JUDGE CHAPPELL: We're not -- you haven't been
25 asked for that, sir. That's enough.

1 THE WITNESS: Well, that's what's --

2 JUDGE CHAPPELL: I said that's enough.

3 THE WITNESS: I'm sorry, sir.

4 JUDGE CHAPPELL: Based on the semantics we just
5 heard, overruled.

6 MR. HASSI: Understood, Your Honor.

7 JUDGE CHAPPELL: Sir, please stick to the
8 question at hand. We don't need the rambling.

9 BY MS. PEAY:

10 Q. Mr. Hoxie, next, if you assume, as Mr. Figg did
11 in his opinion, that Impax would lose at the district
12 court level and appeal, what is your opinion regarding
13 the likely outcome of an appeal?

14 A. Well, as I said, one possibility is that Impax
15 could have -- could have won the appeal. And there
16 were -- as I said and as Mr. Figg said also in his
17 report, Impax had certainly grounds to appeal on the
18 ground, for example, that the hydrophobic material
19 limitation was not in accordance with the ordinary
20 meaning of the term and as well as there could have
21 been other grounds depending on how the district
22 court -- depending on how the district court ruled and
23 what was in the district court's opinion.

24 I think when we assume these things, we're
25 getting to several layers of speculation. We don't

1 know exactly what the district court's ruling would
2 have been. We don't know exactly how detailed it
3 would be. We don't know exactly what findings would
4 have been made on each of the specific issues.

5 So how the Federal Circuit is going to resolve
6 the appeal is going to depend on how the district
7 court -- what the district court's opinion was, and we
8 don't know what the district court's opinion was, so
9 that's an even more speculative leap, I think.

10 Q. Mr. Figg testified that even if the
11 Federal Circuit reversed in favor of Impax, it is
12 highly likely that what would have resulted from that
13 would have been a remand by the Federal Circuit to the
14 trial court.

15 Do you offer an opinion in response to
16 Mr. Figg's opinion regarding the likelihood of a
17 remand?

18 A. I did.

19 Q. And what is that opinion?

20 A. In my opinion, if a remand were, for example,
21 in the -- in the hypothetical posited by Mr. Figg that
22 the appeal was based on the -- the "hydrophobic
23 material" claim construction, if that had been
24 reversed, there may well have been sufficient
25 fact-finding in the trial for the Federal Circuit to

1 simply enter judgment.

2 There would only be a necessity for a remand
3 if there were material facts in dispute that needed to
4 be resolved after the remand.

5 So it could have either been -- and I think --
6 I mean, I -- I don't necessarily agree that a remand
7 would have been required or additional fact-finding
8 would have been required.

9 Q. Thank you, Mr. Hoxie.

10 Switching subjects, Mr. Figg testified that
11 the brand company does have an advantage in
12 Hatch-Waxman litigation and that they win probably more
13 often than not. He also opined in his report that
14 generic challengers in general face an uphill battle in
15 Hatch-Waxman litigation.

16 Have you been asked to respond to this
17 opinion?

18 A. I have.

19 Q. Do you agree with Mr. Figg?

20 A. I don't agree. I mean, Hatch-Waxman -- I don't
21 agree with that opinion, no.

22 Q. At a high level, what opinion have you offered
23 in response to Mr. Figg?

24 JUDGE CHAPPELL: Has he told us anything about
25 his background regarding Hatch-Waxman?

1 MS. PEAY: He did, Your Honor, yesterday.

2 JUDGE CHAPPELL: That was in the 35 minutes
3 last night?

4 MS. PEAY: Yes, sir.

5 JUDGE CHAPPELL: Thank you.

6 MS. PEAY: Yes, Your Honor.

7 JUDGE CHAPPELL: Go ahead.

8 THE WITNESS: Hatch-Waxman -- the Hatch-Waxman
9 presents -- represents a balance between generic
10 interests and branded pharmaceutical interests. And
11 there are many advantages to generic countries --
12 companies in Hatch-Waxman litigation.

13 One advantage is that under Hatch-Waxman they
14 can develop their products without all -- and all the
15 way up through FDA registration without fear of being
16 sued for infringement, patent infringement.

17 Another advantage is that they can resolve
18 infringement issues prior to product launch because
19 they have this period from -- of at least 30 months
20 where -- where they are -- where they're in litigation
21 and issues can be resolved, so they don't need to --
22 they don't need to, as would be the case in a normal
23 case, launch their products and wait to get sued.

24 So there are -- Hatch-Waxman also provides a
25 path for an Abbreviated New Drug Application, a path

1 that did not exist prior to Hatch-Waxman, to allow them
2 to get abbreviated approval.

3 And perhaps most importantly, Hatch-Waxman
4 gives the first filers 180 days exclusivity for --
5 Paragraph IV filers 180 days exclusivity vis-à-vis the
6 other generics, which means that the first filer is in
7 a position to block all the other -- you know, all the
8 other later-filed -- later Paragraph IV filers.

9 BY MS. PEAY:

10 Q. Do you hold that opinion with a degree of
11 certainty reasonable in your professional field?

12 A. Yes, I do.

13 Q. Mr. Hoxie, I'd now like to discuss the subject
14 of at-risk launches.

15 Mr. Figg testified that at-risk launches are
16 rare because of the risks they present for generics.

17 Have you been asked to respond to that
18 opinion?

19 A. I have.

20 Q. Do you agree with Mr. Figg?

21 A. I do not.

22 Q. What opinion have you offered in response to
23 Mr. Figg?

24 A. At-risk launches are -- are not rare in
25 situations where there is a market pressure for

1 generic companies to launch at risk, so -- and I
2 personally have been involved in at-risk launches and
3 I have seen at-risk launches in the course of my
4 career.

5 Q. Do you hold that opinion with a degree of
6 certainty reasonable in your professional field?

7 A. Yes.

8 Q. What is your basis for your opinion that
9 at-risk launches are not rare in situations where there
10 is a market pressure for generic companies?

11 A. There -- there are always risks for any
12 launch, and any launch of a pharmaceutical product
13 involves a balancing of those risks. In certain cases,
14 the risks of launching and potentially facing patent
15 damages can be outweighed by the risks of losing a
16 market opportunity, and that I think was the situation
17 here potentially.

18 Q. What are -- do you have any specific examples
19 of situations where a generic company may be motivated
20 to launch at risk due to an uncertain market
21 opportunity?

22 A. Well, the most -- in my experience, the most
23 common situation is where you have either -- where you
24 have multiple generics who have approval and
25 they're not -- there is no effective exclusivity of

1 one generic over another, so it becomes a race to
2 market.

3 And if you -- if a generic company delays a
4 market launch pending a Federal Circuit decision, some
5 other generic company may get on the market and take
6 the entire market. And that's a -- because of the way
7 the generics -- the way the generic market operates,
8 it's -- it's extremely valuable to be the first generic
9 company on the market because you -- once there are
10 multiple generics on the market, it becomes much less
11 profitable.

12 Q. Are there other situations in which a generic
13 company may be motivated to launch at risk due to an
14 uncertain market opportunity?

15 A. Well, if their 180-day -- if they have 180-day
16 exclusivity and that's somehow jeopardized, you're
17 close to patent expiry or, as in this case, you were
18 not far from patent expiry and -- yes.

19 Q. Did Impax face an uncertain market
20 opportunity?

21 A. Yes, they did.

22 Q. Why did Impax face an uncertain market
23 opportunity?

24 A. There were -- there were several drivers --
25 well, at least two main drivers I think for Impax

1 wanting to launch early in this case or earlier rather
2 than later.

3 The first was that it was known by both
4 sides -- by both sides that there was a possibility at
5 least that Endo could switch to an abuse-resistant
6 formulation or something which could be presented to
7 the FDA as an abuse-resistant formulation. If --
8 excuse me. That Endo could.

9 If Endo switched to a new formulation, okay,
10 then the Impax product would not be bioequivalent
11 necessarily or automatically substitutable necessarily
12 with the new formulation, so that would create problems
13 for Impax in two ways.

14 First of all, if they had to launch and there
15 was no predicate drug where they could get automatic
16 substitution and rely on the promotion and sales of
17 that branded drug to drive their sales, that would hurt
18 their sales.

19 And secondly, there was the risk that the
20 first -- that the first NDA for the first Endo product
21 could actually be withdrawn for a lack of safety or
22 efficacy. And in fact, in this case Endo ultimately
23 petitioned -- filed a citizens petition asking the FDA
24 to do just that, although the FDA declined.

25 So that was a potential risk.

1 And then the second risk here, in addition to
2 Endo bringing in a new product, the other risk was
3 that both parties -- that Impax was aware that Endo
4 had pending patent applications that could issue and
5 could cause problems for them down the road.

6 So as happened in fact, these pending patent
7 applications were pretty much solved at the
8 Patent Office. They had been pending for some time.
9 They did not ultimately issue until late 2012,
10 November 2012. But there was a possibility that they
11 could issue at some time in the future, and so it
12 would not have been to Impax' advantage to wait until
13 Endo had switched to another product and perfected its
14 patent position.

15 Impax -- what would have made sense for Impax
16 would have been to launch before the new patents
17 issued, before the -- the -- before there was a
18 product switch, make their money and get on and if the
19 problems -- if problems arose, then get off when
20 problems arose, because they can't be sued for patent
21 infringement before the patents issue.

22 Q. In reaching your opinion responding to
23 Mr. Figg's opinion regarding the likelihood of an
24 at-risk launch, did you review any of Impax'
25 documents?

1 A. I did.

2 Q. What did you learn from your review of those
3 documents?

4 A. What I learned from review of those documents
5 is that Impax was considering the possibility of an
6 at-risk launch maybe as early as mid-2010, that
7 this -- that they had actually sought approval for
8 quotas for launch from the DEA, that they had
9 manufacturing lined up and could make launch
10 quantities in as little as one to two weeks, I think
11 one of the documents said.

12 They had presentations prepared for the board.
13 It was considered by the board of directors. It was
14 considered by the CEO. There were risk analyses done.

15 There was, in short, a lot of work towards an
16 at-risk launch, although they did not actually make a
17 final decision prior to the end of the trial.

18 Q. In reaching your opinion responding to
19 Mr. Figg's opinion regarding the likelihood of an
20 at-risk launch, did you review any of Endo's
21 documents?

22 A. I did.

23 Q. What did you learn from your review of those
24 documents?

25 A. This -- the potential for an at-risk launch by

1 Impax was also of concern to Endo.

2 Endo had sales forecasts looking at a variety
3 of scenarios, including -- and the scenarios where
4 Impax launched, the -- the damage to the -- to the
5 Endo -- to the Endo sales was -- was quite dramatic, so
6 this was discussed. It was discussed extensively at
7 Endo, and Endo had developed various strategies to
8 possibly combat it, including the -- possibly an
9 authorized generic, and so forth.

10 Q. In your experience, what are the risks to
11 branded companies generally from generic at-risk
12 launches?

13 A. Well, generic at-risk launches can be very,
14 very damaging to the branded company because the
15 generic company will typically take a large portion of
16 sales and put extreme pressure on the pricing. And
17 this damage to the market, you know, you know, they --
18 it -- that is not really necessarily recoverable by the
19 branded companies.

20 Even if they sue the generics for damages and
21 the generics are in a position to pay big damages if
22 they win and all of that, then still the damage to --
23 the damage to the market and the damage to the price
24 may not -- may not be retrievable and may not be fully
25 recoverable in damages from the generic company.

1 Q. What were the risks to Endo from an at-risk
2 launch of generic oxymorphone ER by Impax?

3 A. Well, the major risk to Endo was that a
4 generic company might get on the market before they'd
5 successfully switched over to their -- to their new
6 formulation.

7 If they had had to launch their new
8 formulation against a generic version of the old
9 formulation, convince patients to switch from the
10 cheap, generic, old formulation to a presumably more
11 expensive, non-generic, new formulation, that could
12 have been a tough sale, so for them to have a smooth
13 switch and to optimize their -- their switch to the new
14 formulation and to optimize their exclusivity, they
15 needed to delay any generic launch until after they had
16 their new formulation on the market.

17 Q. Mr. Hoxie, I'd now like to turn to discuss the
18 license.

19 Mr. Figg testified that the bottom line is
20 Impax appears to have been the only one who was able
21 to negotiate rights to future patents. In his report,
22 he offered the opinion that the license Impax obtained
23 was unique and provided Impax with freedom to operate.

24 Have you been asked to respond to that
25 opinion?

1 A. I have.

2 Q. Do you agree with Mr. Figg?

3 A. No.

4 Q. Starting at a high level, what opinion have you
5 offered in response to Mr. Figg?

6 A. Well, at a high level, I -- I did not think
7 that the -- the license -- at a high level, I looked
8 at the -- at the -- and offered an opinion regarding
9 the license provisions of the settlement and license
10 agreement. I didn't -- I don't have an opinion about
11 all -- you know, all of the other provisions in that
12 agreement. I'm just focusing here on the -- on the
13 license provisions.

14 The license provisions in Article IV -- my
15 opinion was that the license granted in article 4.1(a)
16 was a fairly standard, normal license, but there
17 was -- there was an ambiguity created by the provision
18 in 4.1(d) regarding pending applications that
19 eventually turned into patents.

20 And so, on the one hand, the license was --
21 was not -- Mr. Figg -- I did not agree with Mr. Figg
22 that the license was a very unusual or special license
23 in terms of providing rights to future patents. That's
24 a fairly normal term. But it was also problematic --
25 the license was unreasonable and problematic in the

1 sense that it was ambiguous as to what those rights to
2 future patents were because of the ambiguity introduced
3 by 4.1(d).

4 Q. Do you hold that opinion with a degree of
5 certainty reasonable in your professional field?

6 A. Yes, I do.

7 Q. Mr. Hoxie, are you familiar with the concept of
8 freedom to operate?

9 A. Yes, I am.

10 Q. And what is freedom of operate -- freedom to
11 operate in the context of patent licensing?

12 A. In the context of patent licensing, freedom to
13 operate means the freedom to commercially practice the
14 claimed invention or commercially practice your
15 product, your -- your product, commercially make, use
16 and sell your product commercially without -- with the
17 freedom from being sued for patent infringement.

18 Q. Mr. Hoxie, why is it your opinion that it is
19 usual or normal to -- for a licensee seeking freedom to
20 operate to seek a license to all potentially relevant
21 patents, including patents that may issue in the
22 future?

23 A. Well, it's -- if you're -- if you're seeking
24 freedom to operate for your product, that means you
25 want to be able to make, use, sell your product without

1 being sued for patent infringement. And if you don't
2 have a license to all potentially blocking patents,
3 you don't have that freedom.

4 So if you have a license to some of the
5 patents you need but not all of the patents you need,
6 it's like having -- it's like you've got a door with
7 four locks on it and you only have keys to three of
8 them. You know, you can -- you still can't get in.
9 You still can't operate.

10 So in this case it's -- it's -- it would
11 frustrate the purpose of a freedom-to-operate license
12 to get a license to some patents but still be blocked
13 by other patents.

14 Q. Mr. Hoxie, based upon your review of materials
15 in this case, what are Impax' general practices
16 regarding licensing -- patent licensing for freedom to
17 operate?

18 A. Well, from what I understand from -- from
19 Ms. Nguyen's testimony, their general practices --
20 practices were the same -- same as I described and
21 consistent with -- with my experience in patent
22 licenses. That is, you want to get a license to --
23 you know, to all of the licensor's relevant and
24 potentially blocking patents, and that includes patents
25 which are -- which are pending -- patent applications

1 which are pending but which may turn into blocking
2 patents down the road.

3 Q. And you mentioned a Ms. Nguyen.

4 Do you know who Ms. Nguyen is?

5 A. I believe she was a patent attorney working
6 at -- at Impax.

7 Q. Mr. Hoxie, based on your review of materials in
8 this case, was Impax the only ANDA filer on
9 oxymorphone ER that may have believed it obtained a
10 license with freedom to operate?

11 A. Well, I understand that Actavis also asserted
12 that it had -- it had a license, an implied license
13 under the -- under its settlement agreement with Endo,
14 you know, for the later -- for the later-issued
15 patents, and that in fact it -- it convinced the
16 district court of that. The Federal Circuit apparently
17 did not agree.

18 Q. Is Impax the only ANDA filer on oxymorphone ER
19 who received the particular license that is set forth
20 in the settlement and license agreement?

21 A. Well, the -- the -- the specifics of the -- of
22 the Impax license are unique to Impax I believe.

23 Q. So, Mr. Hoxie, how do you reconcile that with
24 your opinion that it is usual for licensees to seek
25 licenses to all patents, including patents that may

1 issue in the future, when they're seeking freedom to
2 operate?

3 A. Well, each of the parties that negotiated with
4 Impax -- with Endo was in a different position. And
5 Impax was in a stronger position to negotiate because
6 it was the first filer, so it had -- it had this,
7 you know, potential -- there was more at stake for
8 Impax because it had potentially this 180-day
9 exclusivity where it could make a lot of money, so it
10 could make more money than the other generic companies,
11 so there was more at stake for Impax, also more at
12 stake for Endo because the timing of the Impax launch
13 dictated the timing of all the successive Paragraph IV
14 filers, so nobody could -- nobody could launch until
15 after Impax' exclusivity was completed, so that gives
16 Impax quite a bit of leverage.

17 Q. Mr. Hoxie, do you agree with the opinion
18 Mr. Figg expressed in his report that the settlement
19 and license agreement ensured Impax would not be sued
20 on Endo's later-obtained patents?

21 A. I don't agree with that, no.

22 Q. You testified earlier that the license Impax
23 obtained under the settlement and license agreement did
24 not provide Impax with unambiguous rights under all
25 present and future Endo patents covering Impax'

1 product; is that correct?

2 A. That's correct.

3 So it did not -- I mean, the -- well, as --
4 as -- as events showed, I mean, they eventually did
5 get sued under those patents, so the license -- the
6 license failed with respect to those patents, so -- so
7 the license -- so I don't agree with Mr. Figg that
8 there was -- you know, that they were free of risk from
9 being sued under those later patents because they were
10 sued under those later patents.

11 Q. So, Mr. Hoxie, I'd like to talk a little bit
12 about the specific terms that are in the license that
13 you've referred to.

14 What sections in the settlement and license
15 agreement inform your opinion?

16 A. Well, the provisions of Article IV and in
17 particular the license granted in article 4.1(a) and
18 the negotiation provision set forth in article 4.1(d).

19 Q. Mr. Hoxie, at this time I'd like to ask you to
20 please pick up the binder next to you and turn to
21 Exhibit RX 364.

22 And Your Honor, this exhibit is admitted into
23 evidence as part of JX 2, and it is not subject to
24 Your Honor's in camera ruling.

25 JUDGE CHAPPELL: Counting last night, you've

1 been going about two hours. How much more time do you
2 think you need for direct?

3 MS. PEAY: 30 minutes, Your Honor.

4 JUDGE CHAPPELL: All right. For planning
5 purposes, I intend to take about a 30-minute break
6 after direct, and then we're going to go until we
7 finish the witness and end for the day, so if you need
8 to grab a snack, do it during the 30 minutes.

9 MR. HASSI: Understood, Your Honor.
10 Thank you.

11 JUDGE CHAPPELL: Go ahead.

12 MS. PEAY: Thank you, Your Honor.

13 BY MS. PEAY:

14 Q. Mr. Hoxie, have you seen Exhibit RX 364 before?

15 A. Yes, I have.

16 Q. What is it?

17 A. RX 364 is the settlement and license agreement
18 between Endo Pharmaceuticals, Penwest Pharmaceuticals,
19 and Impax.

20 Q. And Mr. Hoxie, did you review Exhibit RX 364 in
21 forming the opinions you offer in this case?

22 A. Yes, I did.

23 Q. Ms. Allen, can you please put the first page of
24 RX 364 up on the screen.

25 Mr. Hoxie, this is the settlement and license

1 agreement we've been discussing?

2 A. Yes, it is.

3 Q. And can you please turn to page RX 364.0009.

4 And let's take a look at section 4.1(a).

5 A. Okay.

6 Q. Mr. Hoxie, do you have experience with license
7 provisions like section 4.1(a)?

8 A. Yes, I do.

9 Q. What is that experience?

10 A. I have negotiated, drafted and negotiated,
11 many, many, many very, very, very similar licenses for
12 freedom to operate in the course of my career.

13 Q. And based on your experience, what is the
14 implication of section 4.1(a) standing alone?

15 A. Well, standing alone, 4.1(a) gives a license
16 to -- first to the Endo patents, the existing patents
17 as they're defined there, and it includes any patents
18 that Endo has that would -- that would potentially
19 block the Impax product, so that's typical in my
20 experience that a license would be broad with respect
21 to the patents and restrictive with respect to the
22 product.

23 Other times licenses are broad with respect to
24 the product but restrictive with respect to the
25 patent, but a freedom-to-operate license like this,

1 it's going to be broad with respect to the patents.
2 You've got all the patents that Endo has and,
3 you know -- but the product is defined quite
4 specifically as being the Impax product.

5 And it includes not only the existing patents,
6 but it includes patents granting -- patents issuing on
7 pending applications. And it includes related
8 applications, continuations, continuations in part, and
9 divisionals, and so forth.

10 So -- yes.

11 Q. Can you please turn to page RX 364.0011.

12 A. Yes.

13 Q. And focusing on section 4.1(d)?

14 A. Got it.

15 Q. Mr. Hoxie, do you have experience with license
16 provisions like section 4.1(d)?

17 A. Not very much like that and not certainly with
18 respect to a fairly critical term like that.

19 Q. What are your -- what are the implications of
20 section 4.1(d)?

21 A. Well, I --

22 MR. HASSI: In light of the gentleman's
23 testimony that he doesn't have experience with
24 provisions like this, I'm not sure why he can give
25 expert testimony interpreting it.

1 JUDGE CHAPPELL: Number one, is it in his
2 report?

3 MR. HASSI: I believe this section is mentioned
4 in his report, yes, Your Honor.

5 JUDGE CHAPPELL: If what he's saying is in his
6 report, he can say it now, and you may inquire on
7 cross. If what he's saying is not in his report, then
8 I'll hear that objection.

9 MR. HASSI: I'll wait to hear what he has to
10 say then, Your Honor.

11 BY MS. PEAY:

12 Q. I'll re-ask the question.

13 Mr. Hoxie, based on your years of experience in
14 patent licensing, what are the implications of
15 section 4.1(d)?

16 A. 4.1(d) is at least arguably in conflict with
17 4.1(a) because 4.1(a) grants this sort of unrestricted
18 license and then 4.1(d) says that if you get pending
19 applications, then you can negotiate an amendment to
20 the terms of the license.

21 And it's very broad because it's -- it's any
22 terms of the license, so it could be -- it could be
23 anything. It essentially is almost in a way a time
24 bomb. It potentially -- you know, once a pending
25 patent application issues that would block Impax'

1 product, then the whole license is essentially open for
2 renegotiation.

3 Q. Based on your review of the materials in this
4 case, was there any dispute between Endo and Impax
5 regarding how to interpret section 4.1(a) and 4.1(d)?

6 A. Yes, there was.

7 Q. What was that dispute?

8 A. Well, Impax said that 4.1(a) granted --
9 granted a -- an unrestricted royalty-free license,
10 you know, in accordance with its terms and that 4.1(d)
11 would only relate to pending applications to the
12 extent that they would -- they would -- they would
13 cover subject matter outside the scope of 4.1(a), so --
14 and in particular, Impax was thinking that this
15 somehow related to the subsequent formulation, to
16 Endo's CRF crush-resistant formulation. And there was
17 correspondence and quite considerable correspondence
18 back and forth between Meg Snowden of Impax and her
19 counterpart at Endo regarding that.

20 Endo's -- Endo's contention was that this
21 related to -- that this entitled them to change the
22 terms of 4.1(a) to make it a royalty-bearing license,
23 and the royalty that they proposed was 85 percent of
24 gross profits.

25 MS. PEAY: Your Honor, I'm going to be careful

1 here because some of the specific terms related to how
2 the parties ultimately resolved their dispute have
3 been ordered in camera as part of an exhibit, and we
4 are in a public session, so I will be asking these
5 questions at a high level and without discussing the
6 specifics of any resolution of the dispute, and I plan
7 to ask Your Honor's permission to go in camera to
8 discuss the specifics of the resolution of the dispute
9 later in the -- later in this examination.

10 JUDGE CHAPPELL: Go ahead.

11 MS. PEAY: Thank you. Thank you, Your Honor.

12 BY MS. PEAY:

13 Q. And Mr. Hoxie, without getting into any
14 specifics regarding any resolution of the dispute, did
15 the dispute between Endo and Impax regarding how to
16 interpret sections 4.1(a) and 4.1(d) result in any
17 litigation?

18 A. Yes, it did.

19 Q. And Mr. Figg testified that the litigation
20 between Endo and Impax regarding the interpretation of
21 the settlement and license agreement didn't change his
22 view that Impax was able to negotiate a license that
23 provided Impax with rights and freedom to operate under
24 patents that would issue to Endo after the settlement
25 and license agreement.

1 Mr. Hoxie, does the litigation between Endo and
2 Impax regarding how to interpret the settlement and
3 license agreement affect your opinion regarding whether
4 the settlement and license agreement gave Impax freedom
5 to operate?

6 A. Well, it confirms my opinion that the
7 provisions were ambiguous and -- and they -- they did
8 in fact cause problems for Impax down the road.

9 Q. When did the dispute over the interpretation of
10 the settlement and license agreement provisions first
11 arise?

12 A. It was -- I'm not sure of the exact date. It
13 was sometime after Impax' exclusivity period I think.

14 Q. And mindful again of this court's in camera
15 order, without addressing the specifics of the
16 resolution of this litigation, what happened after
17 Endo -- when Endo filed its lawsuit against Impax?

18 A. Well, Endo filed its lawsuit. Impax moved to
19 dismiss the lawsuit. Impax lost its motion to
20 dismiss. There was -- Endo eventually terminated the
21 settlement and license agreement, declared Impax was in
22 breach and sued Impax for infringement under the --
23 under the patents.

24 Q. Did Endo's lawsuit against Impax include any
25 other claims besides patent infringement?

1 A. Well, they included breach of contract claims.

2 Q. And without going into the specifics of any of
3 the terms, did the parties resolve the litigation?

4 A. They ultimately did. Yes.

5 MS. PEAY: Your Honor, at this point I'd like
6 to question Mr. Hoxie about areas that involve
7 information subject to Your Honor's in camera order,
8 specifically information related to Exhibit CX 3275. I
9 request that Your Honor order the courtroom cleared and
10 begin an in camera session.

11 JUDGE CHAPPELL: All right. For future
12 reference, I don't need that much detail, just ask for
13 an in camera session.

14 MS. PEAY: Understood.

15 JUDGE CHAPPELL: At this time we're going into
16 in camera session. I'll need to ask those that are not
17 subject to the protective order to vacate the
18 courtroom.

19 MS. PEAY: Thank you, Your Honor.

20 (Whereupon, the proceedings were held in
21 in camera session.)

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1 (The following proceedings were held in
2 in camera session.)
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6 (End of in camera session.)

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1 (The following proceedings continued in
2 public session.)

3 JUDGE CHAPPELL: We are going to take our
4 30-minute break.

5 By the way, do you have an estimate on your
6 time for cross now or do you want to wait until after
7 the break?

8 MR. HASSI: I would guess 90 minutes,
9 Your Honor. It might be two hours.

10 JUDGE CHAPPELL: All right.

11 We'll reconvene at 12:45.

12 We're in recess.

13 (Whereupon, at 12:14 p.m., a lunch recess was
14 taken.)

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1 A F T E R N O O N S E S S I O N

2 (12:47 p.m.)

3 JUDGE CHAPPELL: Okay. Continue with your
4 cross. We're back on the record.

5 MR. HASSI: Thank you, Your Honor.

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7 CROSS-EXAMINATION (continued)

8 BY MR. HASSI:

9 Q. Mr. Hoxie, you began working on this matter in
10 August of this year; is that right?

11 A. I was first contacted by the FTC in August. I
12 began working on this matter -- and I was asked if I
13 would be available generally. I began working on this
14 matter when I got Mr. Figg's report.

15 Q. So the first thing you did was to read
16 Mr. Figg's report?

17 A. That's correct.

18 Q. And your report is intended to offer opinions
19 where you disagree with Mr. Figg; correct?

20 A. That's correct.

21 Q. And you attended the trial here on Monday when
22 Mr. Figg testified?

23 A. Yes.

24 Q. And how many hours have you -- would you
25 estimate you've spent working on this matter?

1 A. I'm not really sure. I haven't added it up.
2 Probably -- probably fewer than a hundred, probably
3 more than fifty. I'm not exactly sure.

4 Q. And you're being paid \$495 an hour for your
5 type?

6 A. That's correct.

7 Q. And the report you submitted on
8 September 20 was intended to include all the opinions
9 that you intend to offer in this matter; correct?

10 A. Yes.

11 Q. And you felt like when you provided that report
12 that you had sufficient documentation to form the
13 opinions in your report?

14 A. I had the documentation that -- that was
15 available. There was documentation -- there was
16 redacted documentation, documents that were held on
17 the ground of privilege, and documents outside the
18 record in this case that if I were looking at this
19 independently sort of as a lawyer for the parties, for
20 example, I would have -- I would have looked at. But I
21 felt I had enough to respond to Mr. Figg's report.

22 Q. So that's a yes, you felt like you had
23 sufficient documentation to form the opinions you came
24 to in this case?

25 A. Yes. Yes.

1 Q. And you did not review any of the discovery
2 record from the underlying Hatch-Waxman litigation in
3 forming your opinions; correct?

4 A. I reviewed materials from the underlying
5 Hatch-Waxman litigation, but I believe that was all --
6 those were all materials that were provided in -- in
7 this case, at least they had numbers, Bates numbers
8 from this case.

9 Q. Sir, you understand my question related to
10 discovery materials from the underlying Impax-Endo
11 Hatch-Waxman litigation.

12 You did not review any materials from the
13 discovery in that case; correct, sir?

14 A. I reviewed the expert reports from that case
15 and the materials that I identified in my -- and the
16 materials that I identified in my -- in my report. I
17 don't think I reviewed any materials from that case
18 that have not also -- that are not part of the
19 discovery record in this case.

20 Q. So no, you did not review any discovery
21 materials from that case, setting aside expert reports;
22 correct?

23 A. Well, unless there was some overlap between the
24 two cases. The patents, for example, were certainly
25 exhibits in both cases I would think.

1 Q. So you didn't knowingly review any materials
2 from the underlying Hatch-Waxman case between Endo and
3 Impax; is that right?

4 A. I assume a lot of the materials in this case
5 were part -- came from that case. I'm sorry. I
6 don't --

7 Q. You presume that. You don't know that; right?

8 A. Well, I know that the materials in this case
9 came from that other case. I'm not -- I don't
10 understand the point of your questions, but I...

11 Q. Sir, you didn't review any of the underlying
12 prior art at issue in the Impax-Endo Hatch-Waxman
13 litigation in forming your opinions in your report;
14 correct?

15 A. I reviewed the patents that were at issue in
16 the case. I reviewed the subsequent patents, and the
17 earlier patents were prior art to the subsequent
18 patents. I --

19 Q. Sir, did you -- my question was -- and it was
20 pretty clear -- did you review any of the prior art
21 from the underlying patents, the '933 and '456 patents,
22 yes or no?

23 A. For the '933 and '456 patents?

24 I relied on the summaries of reports in the
25 experts' -- the experts provided, as did Mr. Figg. I

1 did not approach this as I would have were -- as I
2 said, were a litigant -- were a lawyer for the
3 parties.

4 Q. So that's a no, you did not review the prior
5 art for the '933 and '456 patents; correct?

6 A. There were -- there were direct block quotes
7 from prior art in the expert reports. I reviewed
8 those. But I did not ascertain whether the quotes --
9 whether they were misquoted.

10 Q. Now, your experience is primarily in the area
11 of patenting and licensing pharmaceuticals; correct?

12 A. Patenting, licensing, and I was global head of
13 IP litigation at Novartis, so litigation management has
14 been a big -- big part of my work in the course of my
15 career.

16 Q. And that's all work -- strike that.

17 Since leaving Novartis, the bulk of your
18 practice has been in the area of pharmaceutical and
19 chemical patent prosecution; correct?

20 A. And licensing and opinion work.

21 I have been -- I've represented clients,
22 you know, in litigation as well, but that's not the
23 major part of my practice.

24 Q. You don't have a degree in chemistry; correct?

25 A. No.

1 Q. And you're not an expert in chemistry;
2 correct?

3 A. I'm not an expert in chemistry. I deal with
4 chemistry as part of my job and have for thirty years,
5 but I'm not a chemist.

6 Q. And you don't have a degree in pharmacology;
7 correct?

8 A. Again, I've -- I have taken courses in
9 pharmacology. My undergraduate degree was in zoology
10 with -- and which specifically was human physiology,
11 which included pharmacology. But I am not a
12 pharmacologist. I deal with pharmacology and have done
13 as part of my work for thirty years.

14 Q. You're not holding yourself out in this case as
15 an expert in pharmacology, are you?

16 A. No. I'm not a pharmacologist.

17 Q. And you've never been qualified as an expert
18 witness by a judge at a trial before, have you?

19 A. No. This is my first time testifying at a
20 trial.

21 Q. And am I correct that you've never had a
22 stand-up role in a patent infringement trial?

23 A. No, you're not correct.

24 Q. When was the last time you had a stand-up role
25 in a patent infringement trial?

1 A. I -- well, in a patent infringement trial
2 specifically?

3 Q. That was my question, yes, sir.

4 A. In two thousand -- I can't remember the exact
5 date. After I left Novartis, I was counsel for
6 Almirall Pharmaceuticals in a Hatch-Waxman litigation
7 involving almotriptan. That case eventually settled.

8 JUDGE CHAPPELL: Can you tell us what you
9 mean, just so I'm clear, by "stand-up role." Do you
10 mean first or second chair? What do you mean by that?
11 Make sure the witness understands what you mean by
12 that.

13 MR. HASSI: I will clarify, Your Honor.

14 THE WITNESS: Yes.

15 BY MR. HASSI:

16 Q. Other than -- well, strike that.

17 The almotriptan case you just referred to,
18 that's the one Hatch-Waxman case that you've been
19 involved in in your 13 years of private practice; is
20 that correct, sir?

21 A. No. I didn't say that at all.

22 I've been involved in a number of Hatch-Waxman
23 litigations. I've been asked to provide -- one large
24 pharmaceutical company in particular had me -- had me
25 provide an opinion prior to their filing of a

1 Hatch-Waxman lawsuit. In every Hatch-Waxman lawsuit
2 they wanted it, they wanted a -- they wanted a -- they
3 wanted a second opinion. They didn't want to just rely
4 on the litigator's opinion.

5 I've also been involved in -- as I think I
6 mentioned earlier, I'm going to a -- a mediation in the
7 Eastern District of Delaware in just a couple -- in
8 just a couple of weeks, but I'm not -- you know, I'm
9 not a -- if your -- if your question is do I -- and
10 I've also handled IPR, you know, preparation of IPR
11 petitions, and so forth.

12 If your question is am I primarily a patent
13 litigator, no, but that's not the same thing as saying
14 I don't have any expertise in patent litigation.

15 Q. Well, sir, in your 13 years of private
16 practice, would you agree you've had -- you've been
17 counsel of record in only one Hatch-Waxman case?

18 A. Counsel of record, I think that's -- I think
19 that's right.

20 Q. And that was the almotriptan case?

21 A. Yes.

22 Q. And in that case, you were of counsel and
23 White & Case was lead counsel; is that right?

24 A. No. Actually, White & Case was the local
25 counsel. It was filed in the -- it was filed in --

1 in -- in -- in New York, and I was counsel and I worked
2 with White & Case.

3 I involved them because my firm does not have
4 the resources to -- to represent, you know, branded
5 companies in pharmaceutical patent litigation. It's --
6 it involves a lot of lawyers and a lot of resources,
7 and that's not the focus of -- that's not the focus of
8 my firm.

9 Q. That was a case that was filed in 2006?

10 A. That's entirely possible. I don't remember the
11 exact date.

12 Q. And the almotriptan case, I think you said that
13 case settled; right, sir?

14 A. It did.

15 Q. And it didn't go to trial; right?

16 A. No.

17 Q. It didn't go to a Markman hearing; right?

18 A. I don't believe so.

19 Q. And your client, Almirall, never considered a
20 launch at risk in that case; is that right?

21 A. My client was the patentee in that case.

22 Q. And the generic didn't launch at risk in that
23 case, did they?

24 A. No, they didn't.

25 Q. You've never drafted a Paragraph IV

1 certification for an ANDA filer; correct?

2 A. No, that's incorrect. I've drafted quite a few
3 Paragraph IV certifications.

4 Q. You've drafted -- you drafted Paragraph IV
5 certifications for ANDA filers; is that correct?

6 A. Yes. And the notification which is sent to the
7 patentee, I've drafted quite a number of those.

8 Q. Do you recall saying something different in
9 your deposition just a month ago?

10 A. No, I don't recall saying something different.

11 Q. Okay.

12 A. Can you show me my deposition and see --

13 JUDGE CHAPPELL: Lawman, can you hear him?

14 THE BAILIFF: Barely.

15 JUDGE CHAPPELL: You need to keep your voice
16 up. You're going high and low. Try to maintain a
17 higher level.

18 THE WITNESS: I apologize. I'll try to keep it
19 up.

20 JUDGE CHAPPELL: Thank you.

21 BY MR. HASSI:

22 Q. The last tab in your binder is a copy of your
23 deposition.

24 A. Yes.

25 Q. And if you read page 35 -- the question starts

1 on page 34, and if you'd read page 35 and see if that
2 refreshes your recollection.

3 (Document review.)

4 A. Well, it says -- it -- the answer is a little
5 unclear, but the answer says -- I've drafted
6 Paragraph IV certifications for 505(b)(2) filers. I
7 have drafted Paragraph IV certifications for ANDA
8 filers. I did that both at Novartis and I've done
9 that -- I've done that subsequently.

10 So I -- that -- that's a mistake, because I
11 have drafted those. But I haven't represented -- I
12 haven't represented ANDA filers in court. Those
13 Paragraph IV certifications that I've drafted since
14 leaving Novartis did not -- did not result in
15 litigation.

16 Q. So on line 12 of your deposition where you
17 said, I have not done that for an ANDA filer, that's a
18 mistake?

19 A. It says, "I've provided Paragraph IV
20 certifications. I've drafted notice of Paragraph IV
21 certification for companies. I've never done that for
22 an ANDA filer."

23 I'm not sure why -- that -- that -- that is not
24 correct. I have done that for ANDA filers. Also at
25 Novartis I did that.

1 Q. Sir, you've never questioned a witness or
2 argued at a Markman hearing; correct?

3 A. No, that's not correct.

4 Q. When did you question a witness or argue in
5 front of a judge at a Markman hearing?

6 A. At a Markman hearing?

7 Q. Yes, sir.

8 A. In the seeds litigation with -- there was --
9 there was a -- a -- there was a Markman hearing in
10 front of a judge and there was -- there was an issue,
11 and I was -- I was -- I argued -- I argued an issue
12 because it was a technical -- it was a technical issue,
13 and I was permitted to argue that for that case. That
14 was in -- I believe it was in Minnesota.

15 Q. Have you ever argued a Markman hearing in
16 Hatch-Waxman litigation?

17 A. Have I argued a Markman hearing, no, not
18 personally argued it. I've attended Markman hearings
19 and I've contributed to Markman briefs, but I've not
20 personally argued the motions.

21 Q. While you were at Novartis, you were involved
22 in maybe a half dozen settlements of Hatch-Waxman
23 cases; is that right?

24 A. That's right. In my experience, those cases
25 were difficult to settle.

1 Q. That was all before 2004?

2 A. When I was at Novartis, yes.

3 Q. And all of the opinions in your report, sir,
4 are intended to specifically rebut opinions of
5 Mr. Figg; is that right?

6 A. Yes.

7 Q. In your report you don't offer any opinions
8 related to the Endo credit?

9 A. I do not.

10 Q. In your report you don't offer any opinion on
11 the exclusivity or no-AG provision in the settlement
12 and license agreement; correct?

13 A. I do not.

14 Q. In your report you don't offer any opinion on
15 the scope of the patents in relation to the scope of
16 the settlement and license agreement; is that correct?

17 A. I do not.

18 Q. In your report you don't offer any opinion that
19 a single consumer was harmed by the settlement and
20 license agreement; correct?

21 A. I don't offer opinions specifically about
22 consumers being harmed.

23 I do offer opinions concerning when it would
24 have been possible for Impax to be on the market and --
25 and -- and their motivations for being on the market

1 earlier rather than later. I don't -- I don't link
2 that to specifically to consumer harm. That's not my
3 job.

4 Q. So I take it the answer is no, in your report
5 you don't offer any opinion that a single consumer was
6 harmed by the settlement and license agreement;
7 correct?

8 A. I only offer an opinion that Impax -- that --
9 regarding the -- that it appeared to me that Impax was
10 delayed in its -- in its launch, that it had a
11 motivation and incentive to launch earlier rather than
12 later. If that harms consumers, then it harms
13 consumers, or it doesn't, so I don't -- I don't make
14 that second link to consumers.

15 Q. Sir, your report doesn't offer an opinion that
16 Impax was delayed, does it?

17 A. It does. It offers an opinion that Impax was
18 motivated to launch -- to launch earlier, that Impax
19 had a strong motivation.

20 So my opinion is that they certainly could have
21 been delayed. I don't offer any opinions about what
22 necessarily, you know, absolutely did or did --
23 you know, absolutely would have happened but for this
24 or that, but I do offer the opinion that they -- they
25 could and -- have launched earlier and that they were

1 economically motivated to launch earlier.

2 Q. Does the word "delay" appear anywhere in your
3 opinions, sir?

4 Yes or no?

5 A. I don't know if the word "delay" appears
6 earlier, but launching earlier rather than later, if
7 you launch later rather than earlier, then there is of
8 necessity a delay. That's definitional.

9 Q. And earlier and later than what, sir? Can you
10 show me in your report where you said Impax launched
11 earlier or later than a particular date?

12 A. Impax launched -- my report states that Impax
13 could have launched at risk and that they contemplated
14 launch -- that there were contemplations of launching
15 as early as 2010 or January of 2011. And my report
16 addresses those.

17 In fact, Impax agreed to launch in January of
18 2013, so over two years later. And during those two
19 years, things happened which changed the economic
20 structure, the economic situation for Impax, and I
21 outlined those as specifically the switch to the new
22 product by Endo and the issuance of additional patents.
23 Those are all addressed in my report.

24 So there were consequences to launching later
25 rather than earlier, and there were reasons for Impax

1 to have launched earlier. And I do -- I go into that
2 in quite some detail in my report, sir.

3 Q. Sir, in your report you don't offer any
4 opinions regarding the development and co-promotion
5 agreement; correct?

6 A. I do not.

7 Q. And in your report you don't offer any opinions
8 about what would have happened if Impax had begun
9 selling oxymorphone ER; correct? Earlier.

10 A. I offer the opinion that had they begun
11 selling oxymorphone ER earlier, it would have
12 predated -- it could have predated the switch by Endo
13 to the new product, which didn't happen until late
14 2012, and the issuance of the new patents, which again
15 was in late 2012, so there was nearly a two-year
16 window when they could have -- it would have been
17 economically advantageous for them to launch and where
18 the new patents which caused them such problems later
19 would not have been at issue, so there was a two-year
20 window where it would have been better for them to
21 launch than when they did launch, and I do lay all that
22 out.

23 Q. Sir, when you said "better for them to launch,"
24 who was the "them" in that sentence?

25 A. Impax.

1 And it would have benefited the other generic
2 companies, too, because, as I mentioned before, the
3 other generic company -- nobody could launch for the
4 formula -- for the dosage amounts that Impax was the
5 first Paragraph IV filer on until Impax' 180 days of
6 exclusivity was completed, so delaying Impax delayed
7 everybody.

8 Q. There's no opinion in your report, is there,
9 sir, that Impax would have been better off launching at
10 risk, is there?

11 Yes or no?

12 A. My opinion in the report was that there were
13 economic considerations that Impax might have taken
14 for launching at risk, considerations that were not
15 taken into account in Mr. Figg's report, and therefore,
16 I disagreed with Mr. Figg's conclusion that there would
17 not have been a launch -- there necessarily would not
18 have been a launch at risk in this case.

19 Q. Sir, my question was, there's no opinion in
20 your report that Impax would have been better off
21 launching at risk, yes or no?

22 A. I think I've explained what my report says. It
23 doesn't have those exact words, but I think in
24 substance it does say that.

25 Q. You don't --

1 A. But not --

2 Q. Sir --

3 A. Not in those words.

4 Q. And nowhere in your report do you evaluate the
5 risks and benefits of an Impax launch at risk against
6 the risks and benefits associated with the settlement
7 and license agreement; is that correct, sir, yes or
8 no?

9 A. All of the risks and benefits associated -- I
10 didn't evaluate the entire settlement and license
11 agreement, only the license provision. I didn't
12 evaluate, for example, the Endo credit and whatever
13 benefit that might have conferred to Impax. That was
14 not part of my assessment.

15 Q. And you didn't evaluate the benefits in total
16 to Impax from entering into the settlement and license
17 agreement versus the potential of launching at risk;
18 correct?

19 A. As I said, I didn't evaluate the settlement and
20 license -- all of the implications of all of the
21 provisions in the settlement and license.
22 Specifically, I didn't evaluate the Endo credit.

23 Q. And you didn't evaluate the economics to Impax
24 of the sales it would have made in a launch at risk and
25 the damages it could have incurred versus the sales it

1 made by launching pursuant to the settlement and
2 license agreement; correct, sir?

3 A. I did offer opinions pertaining to that, yes, I
4 did.

5 Q. You offered opinions as to what sales Impax
6 would have made had it launched at risk versus the
7 sales it made in the real world pursuant to the
8 settlement and license agreement? Why don't you tell
9 me where that's in your report, sir, point me to a
10 paragraph --

11 A. I referred specifically to sales projections
12 by both Impax and Endo.

13 Particularly, Endo had quite some detailed
14 analysis of the amount of sales that Impax would have
15 taken. Those documents, they're referenced in my
16 report. They're in footnotes. There's -- and there
17 are quite a number of documents both from Impax and
18 Endo regarding the potential sales that Impax would
19 have were it to launch at risk.

20 And that was part of my analysis that there
21 were economic benefits to -- to Impax to launch it, to
22 launch at risk, which could have offset some of the
23 risks of launching at risk.

24 Q. Sir, you're not providing any opinion in your
25 report as to whether Endo would have won its patent

1 case; correct?

2 A. I don't provide any -- any opinion as to the
3 ultimate outcome.

4 Q. And you didn't conduct an assessment of how
5 likely Endo's patents were to be upheld by the district
6 court; correct?

7 A. Again, I -- I presented what I saw as -- my
8 report was confined to responding to Mr. Figg's
9 conclusion, which I disagreed with, that Endo was more
10 likely than not to win the patent case. I disagreed
11 with that conclusion. But I didn't go further. I
12 didn't go beyond Mr. Figg's report --

13 Q. And you didn't --

14 A. -- beyond responding to Mr. Figg's report.

15 Q. And you didn't calculate the probability that
16 Endo would have won the patent litigation; correct?

17 A. No. Only that there were significant issues
18 that Mr. Figg failed to consider.

19 Q. And you didn't calculate the probability that
20 Impax would have won; correct?

21 A. Same answer.

22 Q. That's a no? No, I did not calculate the
23 probability; is that your answer?

24 A. Well, I think the probability -- calculating
25 probabilities for one or the other is kind of the same

1 question, but yes, the answer is no, I did not
2 calculate that. I simply calculated -- I simply issued
3 an opinion that I disagreed with Mr. Figg's opinion
4 that Endo was more likely than not to win the patent
5 litigation. That's all.

6 Q. And you've not seen any assessment of the
7 probability that Endo's patents would be upheld;
8 correct?

9 A. I don't think a numerical probability is
10 possible for such a -- for such a question.

11 Q. You acknowledge the outcome of litigation is
12 always uncertain; correct?

13 A. Yes.

14 Q. And that's true even if there's a rock-solid
15 patent; correct?

16 A. Yes.

17 Q. And you're not providing any opinion as to
18 whether the patents in this case were rock solid;
19 correct?

20 A. I've provided opinions that there were
21 significant issues regarding the validity of the
22 patents and regarding Endo's ability to prove
23 infringement of the patents under the judge's claim
24 construction. That's what -- so there is reason to
25 question their validity, but I don't have any -- their

1 rock-solidness, but I don't have any ultimate opinions
2 that they're infringed or not infringed or valid or
3 not valid. That wasn't within the scope of my report.

4 Q. Sir, you're aware that first filers can obtain
5 180-day exclusivity under the Hatch-Waxman Act?

6 A. Yes.

7 Q. And you would agree that the 180-day
8 exclusivity provision is a valuable asset for a
9 first-to-file ANDA filer; correct?

10 A. Extreme -- well, extremely valuable,
11 particularly if it's unshared.

12 Q. And you would agree that any blocking power
13 that the first filer may have -- and I use "blocking
14 power" the way you use it in paragraph 25 of your
15 report -- from the 180-day exclusivity comes directly
16 from the Hatch-Waxman Act; correct?

17 A. Yes.

18 Q. And Congress designed the 180-day exclusivity
19 provision as an incentive for generic drug
20 manufacturers to challenge patents; correct?

21 A. That's my understanding.

22 Q. The 180-day exclusivity is a reward for
23 challenging a patent; correct?

24 A. Effectively, yes.

25 Q. And you agree with Mr. Figg that the brand

1 company prevails in Hatch-Waxman litigation roughly
2 50 percent of the time; correct?

3 A. I haven't done the statistics, but I have no
4 reason to doubt that. It sounds about right.

5 Q. And when you state in your report that you
6 disagree with Mr. Figg's assessment that Hatch-Waxman
7 litigation is an uphill battle, in paragraph 86 of your
8 report, you don't rely on any statistics to support
9 your opinion; correct?

10 A. I believe I pointed out in my report and
11 there's statistics quoted in the article that's cited
12 in my report that following Hatch-Waxman and apparently
13 as a result of Hatch-Waxman generic business has
14 expanded dramatically in the decades, you know,
15 following Hatch-Waxman. And that's also been,
16 you know, what I've observed in my time in the
17 pharmaceutical industry, that the generics -- generic
18 business has -- has expanded dramatically because of
19 the opportunities that Hatch-Waxman provides for --
20 largely under the 180-day exclusivity for generic
21 companies to be very profitable for that 180-day
22 period.

23 Q. Sir, so I understand you offer lots of
24 information about the effects of Hatch-Waxman --

25 A. Yes.

1 Q. -- and the litigation that's exploded as a
2 result.

3 Do you understand that what Mr. Figg was
4 talking about was about winning versus losing in a
5 Hatch-Waxman litigation when he talked about it being
6 an uphill battle for the generic company?

7 A. Well, I -- I did not --

8 Q. Did you understand that, yes or no?

9 A. Do I understand winning versus losing? I
10 think he was -- I think his uphill battle was a -- I
11 think the way it was in his report was -- was -- uphill
12 battle is more broadly than the ultimate victory,
13 although I think there are many aspects to the case,
14 for example, the ability to resolve prior to launch,
15 the ability to avoid being sued for patent infringement
16 while you're developing your product, the ability to --
17 the fact that the -- the litigation doesn't involve
18 damages typically.

19 Those are all things that I think make the
20 litigation -- Hatch-Waxman relatively simple and
21 reduce the risk for generic companies. It's a -- it's
22 a -- it's -- so I don't -- I don't see -- as far as
23 the standards of patentability and patent infringement,
24 those are exactly the same in Hatch-Waxman as in any
25 other patent litigation. There's no different standard

1 of patent infringement for Hatch-Waxman.

2 So I don't understand -- I don't agree that
3 it's an uphill battle. There -- a generic company has
4 certain advantages, and the standards of patentability
5 are the same, so...

6 Q. Sir, you've never been counsel of record for a
7 generic pharmaceutical company in a Hatch-Waxman
8 litigation; correct?

9 A. No. But I managed patent litigation for the
10 second largest generic company in the world for some
11 period of time, so I have some understanding of the
12 risks involved.

13 Q. And that was before 2004; correct?

14 A. That particular role was before 2004.

15 Q. In the last 13 years, you've never set foot in
16 a courtroom on behalf of a generic pharmaceutical
17 company in a Hatch-Waxman litigation; correct?

18 A. No, not on behalf of a generic pharmaceutical
19 company.

20 Q. And your report says nothing about the generic
21 company's odds of winning a Hatch-Waxman litigation;
22 correct?

23 A. Odds of winning?

24 Q. Odds of winning for a generic, yes, sir.

25 A. "Odds of winning" is not a meaningful term in

1 the general abstract. The odds of winning depend on
2 the particular facts and circumstances of a particular
3 case.

4 It's not helpful in analyzing the case or
5 deciding -- advising a client or making a decision on
6 settlement to know what the odds in general are of
7 winning a case any more than it's very helpful,
8 you know, if you're a cancer patient of knowing what
9 the odds of getting cancer are generally.

10 You need to look at the facts and the
11 circumstances of a particular case and evaluate the
12 risks and make decisions accordingly. It's a very
13 case-by-case determination.

14 So a 50/50 chance in general or a 52/48 chance,
15 as Mr. Figg testified, has absolutely no bearing on the
16 odds of winning a particular case.

17 Q. And so by that answer, do I take it you agree
18 with me that your report says nothing about the
19 generic company's odds of winning a Hatch-Waxman
20 litigation?

21 A. I -- my report doesn't -- addresses the --
22 addresses issues that came up in respect of this
23 particular case and things that would affect Endo's
24 chances of winning or losing this particular case, but
25 it doesn't address odds of winning a patent litigation

1 sort of in the abstract divorced from the circumstances
2 of this case, no, it doesn't.

3 Q. Your report also does not address or assess all
4 of the risks to Impax associated with a potential
5 launch at risk; correct?

6 A. All of the risks?

7 Q. All of the risks, yes, sir.

8 A. No. There are many risks. The patent -- there
9 could be regulatory risks. The product could kill
10 people. The factory could blow up. It's a very risky
11 business. There are a lot of risks. Looking at patent
12 litigation as the only risk is -- is unrealistic, and
13 it's not the way that people making business decisions,
14 in my experience, look at things.

15 So there are a number of risks in winning or
16 losing patent litigation, and being held subject to an
17 injunction or damages as a result is one risk out of a
18 number of risks. And not launching carries risks in
19 this case of its own.

20 Q. But you didn't evaluate the risks, for example,
21 of launching at risk to Impax; correct?

22 A. I think I did address some of the risks of
23 launching at risk. I mentioned the potential for
24 damages and injunction. I believe that is in my
25 report.

1 Q. You didn't put yourself in the shoes of Impax
2 as a reasonable litigant in this case, did you?

3 A. I wasn't in the position of trying -- as I've
4 said, I'm not in the position of trying to be Impax' --
5 you know, be Impax' counsel.

6 I'm simply pointing out that sort of as an
7 objective third party Endo had some problems with their
8 case, and I don't think that it was more likely than
9 not that Endo would have won its case. I feel the
10 outcome was uncertain.

11 And there were a number of risks to Endo, and
12 I've pointed those out. There were risks to Impax of
13 launching at risk. I pointed some of those out. There
14 were risks to Impax of launching at risk, I mean, and
15 there were also risks to Impax of not launching at
16 risk, and I tried to point some of those out.

17 But I didn't -- I didn't take the second step
18 and evaluate all those risks and say this is what I
19 would do if I were Impax. That was not my -- within
20 the scope of my report.

21 Q. So you didn't say this is what I would do if I
22 were Impax; right?

23 A. No. I simply identified risks that I felt
24 Mr. Figg had not identified and the reasons why I
25 disagreed with Mr. Figg's conclusion.

1 Q. And that's what you were retained to do, was
2 disagree with Mr. Figg's conclusions; correct?

3 A. Not at all. I agreed with many of Mr. Figg's
4 conclusions. I disagreed with certain of Mr. Figg's
5 conclusions. I was retained to evaluate Mr. Figg's
6 report as somebody having experience in this field.

7 Q. You agree that an at-risk launch is a launch
8 before the generic firm has a nonappealable judgment;
9 correct?

10 A. That's -- I agree that that's the way it's
11 commonly used.

12 Q. And you have not had a client launch a drug at
13 risk where you were advising that client since you
14 entered private practice in 2004; correct?

15 A. Not since 2004. The last time I did that was
16 before 2004.

17 Q. And that was the Augmentin -- before 2004 --
18 strike that.

19 You testified that you've been personally
20 involved in at-risk launches; correct?

21 A. Yes.

22 Q. And one of those at-risk launches was the
23 Augmentin at-risk launch; correct?

24 A. That was one example.

25 Q. And what other examples of at-risk launches do

1 you have, sir, where you were personally involved?

2 A. I'm not sure that I recall while I was doing
3 that that the generic -- we're only talking about the
4 generic company. I'm not sure that I remember any
5 others other than Augmentin that were at risk in that
6 sense.

7 There were some -- certainly some launches --
8 I'm pretty sure -- I guess we had -- I'm just trying to
9 think. I think we had Federal Circuit decisions in the
10 others before launch where we had a -- some sort of a
11 settlement.

12 Q. So as you sit here today, you can only think of
13 one at-risk launch where you've been personally
14 involved; correct, sir?

15 A. No. I've been involved from the branded side
16 where generic companies did at-risk launches.

17 Q. And what at-risk launches have you been
18 involved in from the brand side where the generic did
19 an at-risk launch?

20 A. I'm not a hundred percent sure. I'm pretty
21 sure cyclosporine -- there was an at-risk launch for
22 cyclosporine and there might -- I think there was an
23 at-risk launch for pamidronate, pamidronic acid,
24 P-A-M-I-D-R-O-N-I-C acid, which is -- went by the brand
25 name Aredia, A-R-E-D-I-A. I'm pretty sure there was an

1 at-risk launch in that case, too.

2 Q. So on the generic side, where a company is
3 making a decision to launch at risk, you've been
4 involved in one of those in your 31-year career;
5 correct, sir?

6 A. Representing the generic company, yes.

7 Q. And that was the Augmentin launch at risk?

8 A. That was a particularly high-profile one, so I
9 remember it particularly well. Yes.

10 Q. That was when you were in-house at Sandoz?

11 A. Yes.

12 Q. Sandoz is a subsidiary of Novartis?

13 A. I was in-house at Novartis then. The generic
14 subsidiary was -- it -- that was after the merger
15 between Sandoz and Ciba-Geigy.

16 Sandoz -- Sandoz disappeared for a while as a
17 corporate entity. It was subsumed into Novartis. Then
18 subsequently the generic businesses were consolidated
19 under the old Sandoz name, legacy name, because that
20 name had quite strong goodwill outside of the
21 United States, and so that now -- currently, they now
22 market those -- in fact, the generic business of
23 Sandoz -- Novartis is now under the name Sandoz, but I
24 was -- I was never a part of the -- the -- that Sandoz
25 company. The Sandoz company I was a part of was a --

1 was a predecessor to that, if you will.

2 Q. You were part of Geneva for that at-risk
3 launch?

4 A. Yeah. That was -- that was Geneva and
5 Biochemie. They were subsidiaries of Novartis.

6 Q. And Novartis at the time was one of the largest
7 pharmaceutical companies in the world; isn't that
8 right, sir?

9 A. It was then and still is.

10 Q. At the time a \$50 billion company maybe?

11 A. In market cap?

12 Q. In market cap.

13 A. I think it was probably bigger than that.

14 Q. Okay. In revenues maybe 50 billion?

15 A. Huh?

16 Q. Revenues of about 50 billion?

17 A. I'm not sure what their -- I'm not sure
18 exactly what their revenues were, but it was a very big
19 company.

20 Q. Now, in paragraph 39 of your report, you
21 state -- do you want to get there first? Do you want
22 to read along with me or do you want me to just read it
23 to you?

24 A. I -- it's up to you. You're asking the --

25 Q. I'll read it, and if you need it, we can bring

1 it up on the screen.

2 In paragraph 39 of your report, you state,
3 "What Mr. Figg fails to address, however, is that the
4 risk of damages does not mean that [the] generic
5 companies never launch at risk."

6 Sir, we can agree that Mr. Figg did not offer
7 an opinion that generic companies never launch at risk;
8 correct?

9 A. Yes.

10 Q. Now, in your report you state that "If Impax
11 had received a favorable decision at the district
12 court level, a launch prior to the appellate decision
13 could be a reasonable risk from Impax' perspective,
14 taking into account the countervailing risks of
15 delay."

16 That's your opinion, isn't it, sir?

17 A. Yes.

18 Q. And that's the only place in your report where
19 you address the risk of a launch at risk from Impax'
20 perspective; correct?

21 A. I'm not sure. I'd have to look at my report to
22 see each place where I address that.

23 Q. I was just referring to paragraph 44. Tell me
24 if you can point to anywhere else in your report where
25 you refer to a launch at risk from Impax' perspective.

1 (Document review.)

2 A. May I -- there's a whole section of my report
3 on that issue, the whole section VII of my report about
4 at-risk launches from paragraph 38 through 50, so
5 there's -- there's a lot about Impax' time -- the
6 timing of their launch.

7 I mean, I'm sure those words only appear in
8 that paragraph, but it's a significant -- that is
9 supported by a number of paragraphs on either side.

10 Q. Well, we'll talk about the support.

11 What I was getting at, sir, is, in terms of
12 handicapping the risk and how you framed it, you used
13 "substantial" earlier today, "substantial risk." You
14 didn't use that anywhere in your report, for example;
15 right?

16 A. I'm not -- I'm not sure exactly what you're
17 talking about. I've talked about a reasonable risk in
18 my report. I spent a lot of time talking about my --
19 and my -- I spent -- I do spend a considerable amount
20 of time in my report talking about, you know, different
21 risks, the risk of launching and risks of not
22 launching.

23 I don't recall whether I characterized them
24 specifically as substantial or not. They were risks,
25 which a reasonable businessperson would take into

1 account.

2 And I also cite to documents where the parties
3 actually quantified some of those, some of those risks,
4 like quantified projected sales, and so forth.

5 I didn't have all of the documents relating to
6 that that were -- because there were a number of
7 redactions in the documents from Impax and also
8 documents relating to risk analysis. There was some
9 discussion about the Zorn documents on risk analysis.
10 I didn't have access to those documents as they were
11 withheld by Impax, is my understanding, and there were
12 redactions made by Impax, is my understanding.

13 Q. Are you done?

14 A. Yes.

15 Q. Okay. Sir, your report does not offer an
16 opinion that Impax would have launched before
17 receiving a favorable trial court decision; correct?

18 A. Before receiving a favorable trial decision?

19 Q. Yes, sir.

20 A. No. Impax agreed to delay -- agreed --
21 submitted a letter to the court saying it would not
22 launch at least before the end of the court
23 proceedings, which were scheduled for June 17, 2010 I
24 believe.

25 Q. And so you agree your report does not offer an

1 opinion that Impax would have launched at risk before
2 receiving a decision from the trial court; correct,
3 sir?

4 A. No, it doesn't offer -- it doesn't offer that
5 opinion.

6 Q. And you agree that if Impax lost in the
7 district court, it would be enjoined from launching;
8 correct?

9 A. That was a possibility. They could have been
10 enjoined from launching. They could have posted a
11 bond. They could have taken an expedited appeal.
12 There were many things that could have happened. I
13 didn't really get into all of that.

14 Q. But among the things that could have happened,
15 you do not expect that Impax would have launched at
16 risk in the face of a district court injunction, do
17 you, sir?

18 A. No. I don't think they would have violated the
19 injunction.

20 Q. And your report doesn't offer an opinion that
21 Impax would have launched at risk in the event it won a
22 favorable court decision; correct?

23 A. My report says that there were economic
24 motivations that -- that -- that -- that would support
25 a launch. But I don't presume to necessarily say what

1 they would or wouldn't have done, just -- I've not
2 tried -- I'm not trying to get into their heads. I'm
3 just trying say there were these economic factors that
4 would -- would tend to encourage them to launch sooner
5 rather than later.

6 Q. And you referred to economic factors.

7 You're not an economist, are you, sir?

8 A. No.

9 Q. And in your report you've not calculated the
10 odds that Impax would launch at risk; correct?

11 A. As I stated previously, I -- I -- looking at
12 risks, there's a risk-benefit analysis. There are
13 risks that would need to be taken into account. I
14 don't sum up those risks and come up with odds.

15 And I don't presume to have knowledge as to
16 what Impax would or wouldn't do beyond the fact that
17 Impax was seriously considering such a launch as
18 evidenced by the documents which are cited in my
19 report.

20 Q. And in terms of a risk-benefit analysis, your
21 report does not contain a risk-benefit analysis of an
22 Impax launch at risk; correct?

23 A. My report contains references to documents
24 that contain sales projections were they to launch, and
25 obviously they would have forfeited those sales if they

1 didn't launch.

2 And it also discusses the risks of -- it also
3 contains figures relating to Endo's sales.

4 So it does contain information relevant to that
5 analysis, but it doesn't -- I'm -- it doesn't do that
6 analysis specifically.

7 Q. And you saw no indication in the record that
8 Impax had made a decision to launch at risk; correct?

9 A. I believe the -- that the -- the e-mail from
10 the -- from the CEO said that the decision -- they
11 were -- the decision would turn on the PI, which I
12 interpreted to mean the -- an -- whether there were a
13 PI decision, which I interpreted to mean the decision
14 by the trial court whether there would or would not be
15 an injunction, whether they would or would not be
16 blocked at the end of the trial. That was the way I
17 understood that.

18 Q. So you understood Impax to be waiting to see
19 if it got a favorable district court decision;
20 correct?

21 A. Yes.

22 Q. And you agree that an at-risk launch is a
23 significant decision and would be made at a very high
24 level in a company; right?

25 A. Yes.

1 Q. For most companies it's -- we're talking
2 executive committee or board-level decision?

3 A. Yes.

4 Q. When you were at Novartis, it was a board-level
5 decision?

6 A. Yes.

7 Q. And at the time, Novartis was one of the
8 largest pharmaceutical companies in the world;
9 correct?

10 A. Yes.

11 Q. Now, Novartis would make preparations to
12 launch before it knew for certain whether it was going
13 to launch a product at risk; correct?

14 A. Can you be more specific?

15 Q. When you were at Novartis, and the company
16 hadn't made a decision whether or not to launch a drug
17 yet, would the company take steps operationally to
18 prepare to launch that drug, for example, to undertake
19 process validation?

20 A. Well, the entire process of drug research and
21 development is taking steps in the hopes of being able
22 to launch a drug, and a company spends a lot of time on
23 that, and sometimes things pan out and sometimes they
24 don't, if that's the point of your question.

25 But they don't spend money for no reason. They

1 don't spend money unless they think there's a
2 reasonably decent chance that they're going to get a
3 return on that investment.

4 Q. You're not offering an opinion in this case
5 that Impax spent money for no reason, are you; sir?

6 A. I -- I believe I already testified and
7 referred to the documents about what -- the
8 preparations Impax had made for a launch.

9 I know from my experience working in the
10 pharmaceutical industry that those things cost money,
11 and so the inference that I draw from that is that
12 Impax, particularly a smaller company like Impax that
13 maybe doesn't have the resources to spend money
14 willy-nilly, would not have spent significant money to
15 launch if they didn't think there was a significant
16 chance that they would -- they would be making sales.
17 They wouldn't make -- spend a lot of money on
18 preparations if they didn't think there was any reason
19 for making those preparations.

20 Q. Sir, you've never worked for a small
21 pharmaceutical company like Impax; correct?

22 A. I represent small pharmaceutical companies.

23 Q. But you've never worked in-house for a small
24 pharmaceutical company, have you, sir?

25 A. No.

1 Q. I think I heard you this morning testify that
2 you thought Impax could make launch quantities in one
3 to two weeks. Can you tell me where you got that
4 information, sir?

5 A. There were some e-mails. The e-mails are cited
6 in my report. If I can look at my report, I might be
7 able to point you to the document.

8 Q. Why don't you tell us where you see that in
9 your report.

10 A. It was one of the documents cited in
11 footnote 56 of my report, footnote 56 of my report,
12 where they were talking about the -- the -- I can't
13 remember exactly which e-mail chain it was.

14 I think it was one of the e-mails involving
15 Chris Mengler, but I don't remember exactly which --
16 which chain it was -- which e-mail chain it was. But
17 there were -- there were a number of them, and the --
18 between Chris Mengler and the back-and-forth I think
19 involved -- the CEO was in some of those e-mail chains,
20 Dr. Hsu, Mr. Hsu.

21 And they had -- and they -- they discussed
22 that there was a quota or that they had to get a
23 quota, and they discussed that they could -- they were
24 making the validation batches and they could -- they
25 could do -- I think they could make -- I think they

1 had -- they said they can make six batches and that
2 would exhaust their quota and then they would have to
3 go to the DEA and they could -- my understanding is
4 it's possible to get an adjustment to a DEA quota.
5 Novartis had some controlled substances that it sold,
6 so I have some basic familiarity with that process.

7 So they would have to get -- so they might
8 have -- it would have been a business decision
9 internally whether to launch with a smaller quantity
10 or go to the DEA, ask for additional quantity and
11 launch maybe in January, if they could get approval for
12 a larger quantity --

13 Q. Sir, my --

14 A. -- a larger quota.

15 Q. My question had nothing to do with DEA quota.

16 My question was simply, could you identify the
17 basis for the testimony you gave this morning that
18 Impax could be -- make launch quantities of
19 oxymorphone ER in one to two weeks. Can you answer
20 that question?

21 A. Yeah. It's one of -- I believe it's in an
22 e-mail from Chris Mengler.

23 Q. So it's something you read in an e-mail
24 somewhere that gave you that impression?

25 A. Well, not in an e-mail somewhere, an e-mail

1 from the person responsible at Impax. I don't know
2 exactly what Mr. Mengler's responsibilities were, but
3 he was the one who was providing the information to the
4 CEO, so I assume he had some -- and to the board.
5 There were slides prepared for the board.

6 My understanding was that once they pulled the
7 trigger to launch, they could launch very quickly, and
8 that's documented in the e-mails. But the exact
9 timing of the launch, according to the CEO, would
10 await the decision on whether or not there was an
11 injunction.

12 Q. Sir, in your report, when you say "a launch
13 prior to the appellate decision could be a reasonable
14 risk from Impax' perspective," you don't define
15 "reasonable risk," do you, sir?

16 A. A reasonable business risk. I think it could
17 be a reasonable business risk.

18 "Reasonable business risk" is a term that I try
19 to use for -- in advising clients because I try to
20 avoid things like a 75 percent chance or a 23 percent
21 chance because I think that gives a false sense of
22 accuracy.

23 So there are risks that the -- that need to be
24 balanced and there are -- if they got a favorable
25 decision and they felt it could be defended on appeal,

1 it would be a reasonable -- it might be a reasonable
2 risk for them to launch, given the fact that there
3 were these threats to their opportunity, particularly
4 the additional patents and the switch by Endo to a new
5 product. And you know, so those -- so those things
6 would have to be taken into consideration.

7 It's always nice if you have the exclusivity
8 locked in and secure and you're -- the market is not
9 moving or shifting. Of course, it's preferable to
10 wait until you have a Federal Circuit decision and not
11 take the risk, because you're assured you're going to
12 get your 180 days of exclusivity, you know, you know,
13 in one -- in either event.

14 But in this case it wasn't clear that the
15 180 days that would come after a Federal Circuit
16 decision would have the same value as the 180 days at
17 an earlier stage, before there were additional patents
18 and before Endo had switched over to a new product.

19 JUDGE CHAPPELL: Sir, you just went on there
20 for about 50 lines, 5-0.

21 The question was, you don't define business
22 risk, do you -- Josett, read that question back.

23 And sir, I'm instructing you to answer just the
24 pending question.

25 THE WITNESS: Yes, Your Honor.

1 JUDGE CHAPPELL: You went for 50 lines there.

2 It was a yes or no.

3 THE WITNESS: Yes, Your Honor.

4 (The record was read as follows:)

5 "QUESTION: Sir, in your report, when you say
6 'a launch prior to the appellate decision could be a
7 reasonable risk from Impax' perspective,' you don't
8 define 'reasonable risk,' do you, sir?"

9 THE WITNESS: I define my basis for that
10 statement, so it is in a context. I don't give a
11 specific definition of "reasonable risk," but I state
12 certain factors and I conclude that those factors add
13 up to a reasonable risk.

14 JUDGE CHAPPELL: Go ahead.

15 MR. HASSI: Thank you, Your Honor.

16 BY MR. HASSI:

17 Q. Sir, you didn't offer any other quantification
18 of what a reasonable risk would be from Impax'
19 perspective in your report, do you?

20 A. I did not try to quantify those things.

21 Q. And you've never worked at Impax?

22 A. No, sir.

23 Q. You've never worked at a small pharma company
24 like Impax; correct?

25 A. As I said, I've represented -- I regularly

1 represent small pharma companies, but I don't -- I'm
2 not an employee.

3 Q. And you've never represented Impax; correct?

4 A. No.

5 Q. And the one pharmaceutical company where you
6 have worked was Novartis; right?

7 A. Yes.

8 Q. And they are many, many, many times larger than
9 Impax; correct?

10 A. They are larger than Impax, yes.

11 Q. Do you understand in 2010 Impax was a less than
12 a billion dollars in revenue company?

13 A. I have no knowledge of Impax' revenues, but
14 I -- I understand that they're smaller than Novartis.

15 Q. Sir, your view of what would be a reasonable
16 risk from Impax' perspective is just your speculation;
17 correct?

18 A. No. I don't agree with that.

19 Q. Now, let's talk about the risk to a risk at
20 launch.

21 One risk is that the launch is enjoined;
22 correct?

23 A. Yes.

24 Q. And if you're launching at risk as a generic
25 who's first to file, you can put your 180-day

1 exclusivity period at risk in the event of injunction;
2 correct?

3 A. Yes.

4 Q. And you agree that that 180-day exclusivity can
5 be very valuable to a generic.

6 A. Yes. I think that's why the CEO mentioned that
7 he wanted to await the determination of the injunction
8 before making a decision.

9 Q. Now, if he had waited until there was a trial
10 court decision and then Impax had made the decision to
11 launch at risk --

12 A. Yes.

13 Q. -- it could still be enjoined; right?

14 A. Well, it depend -- if the trial court -- if the
15 trial court ruled in Impax' favor, no.

16 Q. Are you aware of any case in which the trial
17 court ruled in the generic's favor, the generic
18 launched at risk, and then the trial court enjoined the
19 generic?

20 A. That could happen I guess, but --

21 Q. It hasn't.

22 A. -- normally -- but -- but there would be a
23 decision on the -- that's why I think he was saying
24 that the decision would turn on the PI, which I
25 interpreted to refer to the injunction, so the trial

1 court would decide the injunction presumably at the
2 close of the case. There would have been motions on
3 that I assume.

4 Q. Are you aware that Mylan launched after a
5 favorable district court decision and got enjoined and
6 lost their 180-day exclusivity? Are you aware of that
7 instance?

8 A. I -- I don't know -- I don't know the details
9 of the case you -- you refer to, but yes, it's
10 certainly if you -- if you launch and then you're
11 enjoined, you don't get to later restart the 180 days.
12 It's gone. That's -- that -- that -- that's true. I
13 agree with that.

14 Q. Now, you've never been in a position to put a
15 company's first-to-file exclusivity at risk by
16 launching at risk, have you, sir?

17 A. I'm -- I'm not sure I totally understand the
18 question.

19 Q. You've never been asked to make the decision
20 whether or not a generic pharmaceutical company could
21 put its first-to-file exclusivity at risk by launching
22 the product at risk, have you, sir?

23 A. I would not recommend that a company launch at
24 risk if -- if I thought there was a high chance of
25 them being enjoined. And that hasn't happened to a

1 company that I've represented.

2 Q. In the one experience where you had personal
3 experience with a launch at risk, Geneva was not the
4 first to file on Augmentin, was it?

5 A. That was an antibiotic case, so the -- certain
6 provisions of Hatch-Waxman didn't apply. There were
7 multi- -- so there was not 180-day exclusivity.
8 Geneva was the first to file, but it was -- it was --
9 it was subject to certain aspects of Hatch-Waxman but
10 not others because of the -- the nature of the FDA
11 reg- -- the FDA laws. It was approved under
12 section 505 -- 507 rather than 505 of the Food, Drug
13 and Cosmetics Act.

14 Q. Geneva was racing to market, racing, for
15 example, Teva to try and get out there first?

16 A. Yes. Teva and Ranbaxy.

17 Q. And so unlike the situation where you've got
18 first-to-file exclusivity, which you referred to as a
19 blocking position, there you had to race; right?

20 A. Yes.

21 And I mean, I've seen that happen in other
22 cases where there are -- oftentimes generic companies
23 might -- particularly under the new version, they share
24 exclusivity, and then there's a race, so as I said in
25 my direct testimony, that's a common -- that's a common

1 fact pattern for launches at risk.

2 Q. It's not a fact pattern that applied here to
3 Impax in light of their first-to-file exclusivity;
4 right?

5 A. No. As I explained, the underlying issue,
6 though, is the concern of the -- the risk of losing
7 your -- your shot at the market opportunity. That was
8 the concern -- that's what I felt was the common theme
9 there.

10 Q. Now, another risk to an at-risk launch is
11 paying lost profit damages; correct, sir?

12 A. That's correct.

13 Q. And indeed, you agree with Mr. Figg that
14 at-risk launches present significant risks due to the
15 measure of damages that could be the branded company's
16 lost profits and the possibility of treble damages and
17 even an award of attorneys' fees; correct?

18 A. Yes. That can happen.

19 Q. And lost profit damages can be in the billions
20 if the sales of the branded drug are high enough;
21 correct?

22 A. That's correct.

23 Q. And you didn't evaluate the magnitude of the
24 potential lost profit damages that Impax could have
25 faced if it launched at risk; correct?

1 A. No. That would have been a complicated
2 analysis because it would have depended on whether --
3 on the exact timing of the launch and things like
4 whether or not Impax still had the reference listed
5 drug on the market or it switched to a new product.
6 That would have affected the damages calculation.

7 Q. You didn't do any calculation of the potential
8 damages that Impax could face in this case from an
9 at-risk launch; right?

10 A. I just tried to identify the risks. I didn't
11 try to quantify them.

12 Q. And you didn't do any analysis of the potential
13 profitability of an at-risk launch for Impax to weigh
14 against those downside risks; correct?

15 A. I referred to the documents and the projections
16 of forecasts both from Endo and -- from Endo and from
17 Impax in my report, but I didn't do an independent
18 calculation beyond what the parties to the litigation
19 had done.

20 Q. And you didn't do a comparison to weigh the
21 sales that Impax could have made if it had launched at
22 risk against the sales that it did make and has made
23 since 2013 as a result of the settlement and license
24 agreement; correct?

25 A. I did offer an opinion that the sales would be

1 lower if there was no predicate drug to drive sales for
2 the generic product.

3 In other words, if you don't have the benefit
4 of automatic substitution, the sales are likely going
5 to be lower, so I did offer that opinion. But I didn't
6 offer the -- the -- so I'm not sure if that's -- if
7 that's responsive to your question or not.

8 Q. I don't think it is, but is the answer no, I
9 did not weigh the sales that Impax might have done --
10 might have earned in an at-risk launch against the
11 sales it actually made in the real world; correct?

12 A. No. I think that the answer I gave is an
13 opinion on that question, but...

14 Q. You didn't do the math, did you, sir?

15 A. No. I relied on the -- what the parties -- the
16 math that the parties did.

17 Q. Okay. Let's do a little math --

18 A. Okay.

19 Q. -- about what the damages of an at-risk launch
20 look like.

21 Are you aware that complaint counsel has
22 introduced evidence in this case to suggest that at the
23 time of the settlement Endo's Opana sales -- Opana ER
24 sales were worth about \$20 million a month?

25 A. Endo's Opana ER sales --

1 JUDGE CHAPPELL: Hold it.

2 MS. PEAY: Objection, Your Honor. This line of
3 questioning is outside the scope of the witness' direct
4 and his report.

5 MR. HASSI: Your Honor, this witness wants to
6 testify that it was a reasonable business risk for
7 Impax to launch at risk. He's not done the
8 calculations in terms of what that risk looks like. I
9 thought it might be interesting for Your Honor to hear
10 what those numbers look like.

11 JUDGE CHAPPELL: Are you saying this is
12 impeachment?

13 MR. HASSI: I am saying that.

14 JUDGE CHAPPELL: Overruled.

15 MR. HASSI: Thank you, Your Honor.

16 MS. PEAY: Thank you, Your Honor.

17 THE WITNESS: Excuse me?

18 BY MR. HASSI:

19 Q. Sir, are you aware that complaint counsel has
20 introduced evidence to suggest that Endo's Opana ER
21 sales at the time of settlement were approximately
22 worth \$20 million a month?

23 A. That Endo's Opana ER sales were -- their total
24 sales were \$20 million per year.

25 Q. Per month.

1 A. Per month. Okay.

2 Q. Okay. You take that first -- take that as an
3 assumption.

4 A. I don't know -- I will take that as an
5 assumption.

6 Q. And let's estimate they had a 90 percent margin
7 on those sales. Is that about fair?

8 A. It could be fair, yeah.

9 Q. So that would mean its profits were about
10 \$18 million a month?

11 A. That's possible, yeah.

12 Q. And so if Impax sold a month's worth of
13 Opana ER at risk, they could be risking as much as
14 \$18 million in damages; right?

15 A. Per month.

16 Is that what you're saying?

17 Q. Yes.

18 Do you agree with that?

19 A. They could be risking that, yes.

20 Q. And those damages could be trebled in a
21 Hatch-Waxman case; correct?

22 A. If they could show the infringement was
23 willful.

24 Q. And so if we trebled 18 million in damages,
25 that would be \$54 million in damages a month; correct?

1 A. It is correct, but I would say that the
2 hypothesis here is that they would have waited to --
3 that they would have launched upon receiving a
4 favorable district court ruling regarding the
5 injunction, so I think the likelihood that they'd be
6 viewed as willfully infringing when they had a
7 favorable district court decision is -- is not high.

8 Q. Well, so let's do it both ways. We'll do
9 treble damages and we'll do single damages.

10 A. Okay.

11 Q. Now, we talked about the fact that Impax was
12 first to file and had 180 days exclusivity; right?

13 A. Right.

14 Q. So if you were Impax, you'd want to get the
15 benefit of those 180-day sales; right?

16 A. Right.

17 Q. And so if you were going to launch at risk,
18 you'd launch six months worth of product at risk;
19 right?

20 A. You would try to do that, yes.

21 Q. Okay. So using the treble damages first,
22 because I've already done the math, six months at
23 \$54 million a month, that's \$324 million in potential
24 damages; right?

25 A. That's in the treble damages scenario.

1 Q. Yes, sir.

2 A. Yes.

3 Q. Okay. So in a treble damages scenario, Impax
4 could be risking as much as \$324 million over a
5 six-month period; right?

6 A. Well, that's kind of up to Impax, because
7 Impax can control how much it sells. And Impax -- so
8 if Impax wanted to reduce its risk, it could sell
9 less, so it could do some sort of a compromise there.
10 And Impax sales would be constrained by the DEA quotas
11 and the manufacturing capacity potentially.

12 So I think there's other assumptions -- other
13 factors you'd have to look at before coming up with a,
14 you know, maximum amount. And as I said, I don't
15 accept your assumption that treble damages would have
16 flowed from a launch that complied with --

17 Q. Okay. Let's go --

18 A. -- the court's ruling.

19 Q. Let's go with single damages.

20 A. Okay.

21 Q. A third of 324 million is 108 million;
22 correct?

23 A. A third of -- excuse me?

24 Q. 324 million in damages, one-third of that would
25 be \$108 million in damages over a six-month period;

1 right?

2 A. Right.

3 Q. Now, you mentioned a moment ago a footnote
4 you'd looked at, footnote 56, and you have in there
5 Mr. Mengler's board slides where he considered how much
6 Impax expected it could make, were it to launch at
7 risk, in the first six months; right?

8 A. Uh-huh.

9 Q. You saw that when you reviewed information in
10 your report?

11 A. Yes. But I -- I think you were assuming that
12 Impax takes -- your assumption -- the way you're doing
13 the math, you're assuming that Impax takes 100 percent
14 of Opana ER sales and they sort of max out on that. I
15 don't think they would have taken 100 percent of sales,
16 and as I said, they could -- they could control their
17 sales to -- to control their risks.

18 I don't know that they -- I don't know that the
19 forecasts -- I don't know that any of the forecasts
20 that I saw showed them taking a hundred percent of
21 sales of -- you know, from day one. And that, in my
22 experience, would be unlikely.

23 So no, I don't totally -- I don't agree with
24 your hypothetical.

25 Q. Well, if you were trying to calculate the

1 downside risk, 108 million single damages, 324 million
2 treble damages would be a good way of putting a cap on
3 the downside risk; right?

4 A. No. The downside risk is capped by what you
5 decide to sell. It's not -- it's not a situation
6 where Impax is sort of -- has no control over --
7 control over -- over that amount.

8 So if you're saying that they could have --
9 their maximum -- they could have gotten \$108 million
10 in -- in sales, you know, right -- you know, or they
11 could have -- what are you saying exactly?

12 Because you've postulated they're going to take
13 a hundred percent of Impax' sales -- of Endo's sales,
14 and I don't -- I think we have actual numbers that they
15 looked at regarding their likely sales. And if we want
16 to do -- I'm happy to do math with you, but it would be
17 more constructive to look at the actual projections and
18 the actual risk analyses in the case.

19 Q. Sir, you didn't do that math in your report,
20 did you?

21 A. No, I didn't do that math in my report.

22 Q. I'm trying to walk you through a simple
23 hypothetical so that we can understand the risks.

24 Now, the maximum risk is that they take a
25 hundred percent of the sales; right?

1 A. Uh-huh.

2 Q. And that would be your 108 million in single
3 damages or 324 million in treble damages; right?

4 A. Right.

5 Q. Okay. And so their maximum risk is
6 \$324 million; right?

7 A. That would be their maximum risk and their
8 maximum benefit. Yes.

9 Q. And they could control that by selling less
10 than \$324 million worth of product; right?

11 A. Well, I think all of the projections suggested
12 they would sell less even if they wanted to sell more
13 because there was also the issue of the -- of Endo
14 coming along with an authorized generic which would
15 have -- they projected would have taken about
16 50 percent of the sales.

17 So they would have -- their market share would
18 have been less than -- significantly less than
19 100 percent, probably less than 50 percent, so the
20 total amount of sales we're talking about are -- are
21 less, and the total risk is correspondingly less. And
22 if they wanted the risk to be still smaller, they
23 could simply decide to sell less, sell limited
24 quantities.

25 So there were a lot of -- there's a huge amount

1 of assumption in your question which is not reflected
2 in the reality of any of the projections of any of the
3 parties.

4 Q. So let's use an assumption you just made, which
5 is they take 50 percent of the sales, and let's cut
6 those damages estimates by half, shall we?

7 So 108 million becomes 54 million in damages if
8 single damages; right?

9 A. Okay.

10 Q. And treble damages would be 162 million?

11 A. What did you say? Fifty- --

12 Q. 54.

13 A. 54 million.

14 Q. And 162 million; right?

15 A. Okay. Yeah.

16 Q. Now, in footnote 56 you looked at Mr. Mengler's
17 board slides; right?

18 A. Yes.

19 Q. And the slides themselves are in camera, but
20 I've got a copy in the binder if you want to look at
21 them, but do you recall he projected that in the first
22 six months if they were to launch at risk Impax would
23 earn about \$28 million in sales?

24 A. They would earn -- excuse me -- a hundred and
25 twenty --

1 Q. No. 28, not 100, just 28 million.

2 Do you recall that?

3 A. I don't know how that relates to the market
4 penetration, like how that relates to the amount of
5 the -- the amount of Endo's sales they were taking. If
6 you're saying that that corresponds to 50 percent of,
7 you know -- a 50 percent market share, then I'll take
8 your word for it, but -- but you have to understand
9 that's implicit in your question.

10 Q. I do understand that's implicit in my question.
11 I'm not making a representation that that 28 was
12 calculated on exactly 50 percent of the share, but you
13 agree that's a reasonable assumption for how much of
14 the market Impax might take based on generic
15 penetration.

16 A. I don't agree with that assumption at all. I
17 mean, there's a slide there. It must -- it must --
18 probably -- there are -- is there data or evidence as
19 to what that market penetration would correspond to?
20 Because without that number, it's just -- you're just
21 throwing numbers around. I'm sorry. I -- I think
22 that they -- I think it would be possible for Endo to
23 do those risks -- for Impax to do those risk
24 calculations. And the evidence that I saw saw those
25 risk calculations were in fact done, but they were

1 redacted. But there is reference to them in the Impax
2 materials.

3 And despite those risk calculations, it was
4 referred to by I think the head of their -- their --
5 the group that was managing it as a good candidate for
6 at-risk launch. The CEO said the decision would be
7 made on the preliminary injunction ruling. There was a
8 presentation to the board, although the board didn't
9 make a final decision.

10 So that calculation was done, and it seemed
11 that whatever numbers they came up with -- and I'm sure
12 Ms. Snowden is perfectly capable of doing the math --
13 they would have -- they would have -- they were still
14 viewed as, I think in the words of one board member,
15 you know, a good candidate for at-risk launch, so -- so
16 that's all I can tell you.

17 Q. Sir, you would agree with me that in a lost
18 profit damages analysis, if Impax expected to make
19 \$28 million in selling six months worth of product, the
20 lost profit damages they would owe to Endo would be
21 greater than that \$28 million, wouldn't you?

22 A. That's very possible.

23 Q. By definition, they'd be larger; right?

24 A. That depends on their profit -- that depends
25 on Endo's profit margins, but very -- very often that

1 is the case. It's certainly possible for the lost
2 profits damages to exceed the generic company's sales.
3 And I think I said that.

4 Q. Indeed, the generic typically, indeed always,
5 sells at a discount to the brand; right?

6 A. No, not always. If you're the sole generic,
7 they sometimes sell at a premium to the brand, and
8 they still get a significant market share because
9 automatic substitution ensures reimbursement assumes
10 the price is lower even when it's not. There are lots
11 of instances of that, so it's -- it's -- when you're
12 in a -- when you're in an exclusive generic position,
13 you can't necessarily assume that the price is going
14 to be significantly discounted. It will come in
15 typically just a little under, but not a huge amount.

16 Q. So just so I understand your expert testimony,
17 it's possible that in this case that if Impax had
18 launched at risk as an exclusive, it would have
19 charged more for its generic Opana ER than for Endo's
20 branded Opana ER; is that your testimony?

21 A. I'm testifying that that's -- that I have seen
22 that situation happen with -- with -- with sole-source
23 generics. That's a thing that can happen. I'm not
24 offering an opinion as to whether it necessarily would
25 have happened in this case.

1 Q. Now, in your report, sir, you say, "Impax had
2 reasons to be motivated to launch as soon as
3 possible."

4 You said that; right?

5 A. Yes, I did.

6 Q. And that's as soon as possible after a
7 favorable district court decision, we just established;
8 right?

9 A. That's correct.

10 Q. And you identify in your report two sources of
11 risk if it didn't launch immediately, one, the prospect
12 of new patents and, two, the risk of reformulation;
13 right?

14 A. Yes.

15 Q. And I think this morning you introduced a third
16 source of risk, and that was if it's close to the
17 patent expiry; right?

18 A. Yeah. I mean, that wouldn't have been an
19 issue in 2010, but it certainly begins to be an issue
20 in 20-- in 2013 because there is no exclusivity in
21 this case after September of 2013 when the patents
22 expire.

23 Q. So that risk would have come into play sometime
24 in 2013; is that right?

25 A. That's correct.

1 Q. So it's not a risk we need to analyze here;
2 right?

3 A. Well, it's kind of a risk we need to analyze
4 here because Mr. Figg's report has the -- has them
5 likely not launching until mid- -- not having a final
6 decision until mid-2013, so if they're blocked until
7 almost just before patent expiry, then it seems like
8 the situation is going to be, you know, a -- the same
9 for Endo, and Impax is going to lose its -- potentially
10 lose its exclusivity and/or part of its exclusivity, so
11 three months of its exclusivity if you follow
12 Mr. Figg's timing or -- and Endo is going to come out
13 in much the same position it would have been in anyway,
14 so there's sort of no motivation to settle, so that's
15 the reason why it's relevant to the analysis, if you
16 take those assumptions.

17 Q. Sir, using the assumption you just gave, Impax
18 would be better off settling and launching on
19 January 1, 2013; right?

20 A. If you assume that they otherwise would have
21 been blocked until patent expiry, then yes, it was
22 better I suppose to get -- to get something than --
23 than nothing.

24 Q. Now, with respect to the risk of new patents,
25 new patents don't issue overnight without warning;

1 correct?

2 A. That's correct.

3 Q. And so Impax could wait and see if the new
4 patents issued; right?

5 A. I'm assuming that Impax was probably tracking
6 the prosecution of those patents quite closely.

7 Q. And so there was no reason to rush to launch at
8 risk; they could track the patents and see what was
9 happening with them.

10 A. Well, you know, if they get allowed, there
11 would be a -- it would take them some time to launch.
12 And even if the patent is allowed, there's a time
13 period -- it depends on the case, but how long it
14 takes from the time you get a notice of allowance to
15 the -- then there's a three-month period to pay the
16 issue fee. They may have paid the issue fee early,
17 you know, in advance of the three months and then
18 tried to expedite the thing. They maybe could get --
19 then maybe they could get a -- get it granted more
20 quickly, but it would still be a period of some
21 months, but it wouldn't be such a long period that you
22 would kind of want to -- you know, sleep on things.
23 You would want to -- you would want to be
24 moving things along because you wouldn't have a huge
25 amount of time.

1 The other thing is that three months, I want to
2 emphasize, is still a big deal for a generic company.
3 If they can get three months of sales before the
4 patent launch, you know, that would still be -- that
5 would still be valuable to them because they can fill
6 up the pipeline and make all their sales, so it would
7 have been the first one, so...

8 Q. Sir, those pending patents didn't issue until
9 late 2012; right?

10 A. That's in fact how it turned out, so in fact
11 they had -- it turned out they had over two years, but
12 they couldn't have known that they would have the full
13 two years.

14 Q. So in all likelihood, Impax could have waited
15 to see not only whether it won in the district court
16 but whether it won in the Federal Circuit by late 2012;
17 right?

18 A. As I said, it wasn't predictable exactly when
19 they would issue. It turned out they issued in 2012.
20 They might have issued later. They might have issued
21 earlier. They might not have issued at all. That was
22 yet another uncertainty that the parties had to contend
23 with.

24 Q. Well, is it your opinion that Impax should have
25 launched at risk during the litigation with Endo over

1 the '933 and '456 patents for fear that Endo might
2 someday get more patents?

3 A. Well, that was one of -- that was one of the --
4 that was one of the risks that was known to the parties
5 and significant as -- as a significant risk, that Endo
6 might get more patents, they could block them and sue
7 them and would have additional hurdles to contend with,
8 as in fact turned out to be the case. They did
9 eventually get additional patents, and additional
10 patents did eventually cause problems, as Mr. Figg
11 pointed out.

12 Q. The risk was that if Endo got more patents,
13 Impax might have to launch at risk as against those
14 patents; correct?

15 A. That's correct.

16 Q. So your solution is to launch at risk against
17 the patents that are known for fear of the patents that
18 may come; right?

19 A. Well, in this particular case I think that
20 was -- that was -- that was certainly something to
21 think about, the idea of get on and get off quickly
22 because you're going to make most of your money in that
23 initial -- that initial launch period before you have
24 other generic competition anyway.

25 And then after six months, additional generic

1 companies are going to get on the market because the
2 exclusivity has then passed, so then the product
3 becomes, you know, fully generified (phonetic), and
4 that makes it much less profitable for the -- for -- it
5 makes it less profitable for everybody because the --
6 there's then competition on price.

7 And as I mentioned before, the first generic
8 very often will charge a relatively high price for its
9 generic drug, but once you have multiple generics, then
10 of course there's price competition.

11 Q. And those multiple generics would have to be
12 launching at risk; right?

13 A. That -- that -- that would just depend on so
14 many things. That would depend on -- by that time, six
15 months have gone by. By that time, we have a
16 Federal Circuit decision that could have been favorable
17 to Impax as well.

18 Q. Sir, the second reason you mentioned that
19 Impax should have considered launching at risk was
20 because, if Endo stopped selling the original Opana ER
21 in favor of the reformulated product, Impax would not
22 get the benefit of Endo's sales; right?

23 A. That's correct. The automatic substitutions.

24 Q. Now, Endo couldn't start selling reformulated
25 Opana until it got that product approved by the FDA;

1 right?

2 A. That's correct.

3 Q. And as of the time of settlement, Endo had not
4 even filed the NDA for reformulated Opana ER; correct?

5 A. That's my understanding. Yes.

6 Q. And you agree with me that companies don't get
7 approval for drugs overnight without warning; right?

8 A. That's correct.

9 Q. It's a process that takes a significant amount
10 of time for those things to play out; right?

11 A. Yes. In that case there would have been a --
12 the FDA would have been subject to a one-year clock,
13 so it would have taken one year, ordinarily one year,
14 and then it might take a couple months longer, but it
15 would ordinarily take one year from the supplemental
16 NDA filer or from the new NDA filing.

17 Q. Did Endo in fact get FDA approval within one
18 year of the NDA filed in 2010?

19 A. I don't know exactly when it did its filing,
20 but it would have been close because they had to do
21 their trials and then submit their NDA, so probably
22 that's about right, because they got the approval in
23 2012, so they got the approval two years later.

24 I don't remember the exact timing of the
25 approval. It is in my report, though.

1 Q. So, again, in terms of the immediate need to
2 launch at risk, you could have waited until the
3 reformulated drug was approved, and by then Impax
4 would have known -- likely would have known what the
5 Federal Circuit had done with the decision; right?

6 A. Yeah. I guess. That would have been -- but
7 you still would have -- that still would have been
8 substantially earlier than the time they agreed on.

9 I mean, January 2013 was long after all of
10 that, so you're arguing maybe they could have launched
11 in 2011 sometime, maybe later 2011 or early 2012.
12 Yeah, I mean, those -- those -- there was a whole
13 two-year window there before the new patents issued and
14 before they had the new drug.

15 So they didn't have to launch, you know, if
16 that's your point, they didn't have to launch right
17 immediately upon getting the judge's decision. They
18 might have launched and I think there were several
19 forecasts suggesting a launch in 2011, January of
20 2011 or so.

21 Q. Well, sir, if I understood your report, you
22 held up these new patents and the risk of
23 reformulation as reasons that Impax should launch at
24 risk; right?

25 A. That's correct.

1 Q. And as it turns out, Impax didn't have to
2 launch at risk if in fact it could have gotten a
3 Federal Circuit decision before the new patents were
4 approved and before the reformulated drug was
5 approved. That's what you're telling us now; right?

6 A. Well, as the timing worked out, but remember
7 Impax at the time of the settlement negotiation had --
8 they didn't know whether -- I mean, the -- the -- the
9 submissions that Endo would have made to the FDA are
10 confidential.

11 As far as Impax knew, the new drug -- you know,
12 the new formulation, it could have come out anytime or
13 never. I mean, it was -- it was -- it was uncertain.

14 And also as far as the new patents go, they
15 could have gotten, you know, a -- they could have
16 gotten -- one of them I think was up on the
17 Federal Circuit, but the other one was not, so they
18 could have gotten a -- possibly a notice of allowance
19 and gotten -- gotten a patent issued relatively
20 quickly.

21 So although in fact it took a couple of years
22 for those, those things to materialize, the new patents
23 and the new product, Impax had no way of knowing that
24 at that time. They just knew these were threats on the
25 horizon that could come at some point, maybe sooner,

1 maybe later.

2 Q. Sir, I agree these were threats on the horizon
3 at the time Impax settled.

4 The point of your suggestion that they would
5 launch at risk is, if they're launching at risk, it
6 means they didn't settle and they're in litigation;
7 right?

8 A. They're on appeal.

9 Q. So they're on appeal. They're deciding whether
10 or not they've gotten a favorable district court
11 decision. That's your hypothesis; right?

12 A. Yes.

13 Q. And now the question is, having gotten a
14 favorable district court opinion, do they launch at
15 risk or do they wait and see what happens with respect
16 to approval of the reformulated and the new patents;
17 right? That's what we're talking about here.

18 A. Well, I think as I've -- as I've tried to
19 express, if you -- if you wait until the things
20 happen, if you wait until the new patents are allowed
21 and you wait until the new formulation is approved,
22 you've maybe waited a bit too long, so -- and you
23 can't know exactly when those things are going to
24 happen, and the FDA proceedings are secret, so you
25 can't -- there's no way to track or monitor it, unless

1 you have a spy at Endo.

2 Q. Sir, did you analyze how much time expired
3 between when Endo got approval for reformulated
4 Opana ER and when they launched it?

5 A. I believe that information is in my report. I
6 don't have the exact numbers. I think they got
7 approval sometime in early 2012 and they launched or --
8 and they launched sometime in later 2012, but I -- I
9 don't have those exact dates.

10 Q. And under that time frame, Impax would have had
11 several months, months, to launch its generic
12 oxymorphone should it have decided to launch at risk;
13 right?

14 A. Well, in this -- in this world that we're
15 talking about, if -- if Endo had been facing a threat
16 of a generic launch, it might have hustled to get its
17 product to the market a little quicker, so I can't
18 assume that everything would be the same.

19 I mean, there's so many -- if they had launched
20 earlier, it would have changed so many -- so many
21 assumptions, I mean, if they'd been on the market, if
22 they were still in litigation. They might have
23 acquired the '779 patent and shut Endo down, and then
24 they would have been the, you know, branded company and
25 Endo would have been struggling in litigation against

1 them.

2 There were so many things that could have
3 happened that, you know, these are all possibilities
4 that were not taken into account in Mr. Figg's report,
5 and that's why I felt like his conclusions weren't
6 as -- you know, did not take all the variables into
7 account.

8 Q. So you just want to make sure that we raise all
9 the possibilities that could have happened in the
10 hypothetical world; right?

11 A. Yeah. I'm just saying the world would have
12 been -- the world would have been different, so I
13 don't think -- you're asking me to assume that they
14 would have had certain amounts of time and certain
15 things would have been the case, and I'm telling you
16 the world would have been different and the
17 motivations of the parties would have been different
18 in that hypothetical world, so I don't think that they
19 would have necessarily played out exactly the way they
20 did in fact, because the motive -- the drive -- the
21 economic drivers of the parties would have been
22 different.

23 Q. But you don't know what would have happened in
24 this hypothetical world, do you?

25 A. No one does for sure.

1 Q. And in your report, you don't opine that an
2 at-risk launch would have been a reasonable risk for
3 Impax, only that it could have been a reasonable risk
4 from Impax' perspective; correct?

5 A. That's correct. It would have depended on
6 particularly the district court decision.

7 Q. Now, you mentioned Endo's view of the risk that
8 Impax would launch at risk; correct?

9 A. That's correct.

10 Q. And in your experience, branded companies like
11 Endo view the prospect of an at-risk launch by a
12 generic company with terror. That's in your report;
13 right?

14 A. That's true.

15 Q. And you stated that Endo's contemporaneous
16 business documents reflect a view that an Impax at-risk
17 launch was a real possibility; correct?

18 A. Yes.

19 Q. Did you review RX 86 in coming to your
20 conclusions?

21 A. I'm not -- I'm not sure I know that document by
22 heart. Can you --

23 Q. Robert, can we put up RX 86.

24 There's a copy in your binder if you'd prefer
25 to look at a paper copy, but we're going to put it up

1 here on the screen as well.

2 I apologize. I don't think we've given you a
3 binder yet. That's the FTC's binder.

4 Your Honor, may I approach to give the witness
5 a binder?

6 JUDGE CHAPPELL: Go ahead.

7 BY MR. HASSI:

8 Q. Sir, have you seen this document before?

9 A. I'm not -- I'm not sure if I have actually.

10 Q. Okay. You don't recall whether you reviewed
11 this in the context of opining that Endo's contemporary
12 business documents reflect a view that an Impax at-risk
13 launch was a real possibility?

14 (Document review.)

15 A. I'm not a hundred percent sure if I've seen --
16 if I saw this document, but I -- it -- I looked at -- I
17 have looked at several presentations, and if it's in my
18 report, then I -- I looked at it at some point.

19 Q. Okay. Well, let's take a look at page 9 of
20 this document.

21 And you'll see a heading at the top of
22 page 9 that says "Impax Not Likely to Launch at Risk."

23 Do you see that?

24 A. I see where it says that.

25 Q. Okay. And you understand this is a

1 June 2010 Endo document?

2 A. The document has at the top something called
3 FULD & Company, Inc.

4 Q. Are you familiar with FULD & Company?

5 A. I'm not.

6 Q. Okay. Do you understand they're consultants
7 doing work for Endo in this instance?

8 A. Yes.

9 Q. Okay. And they did this work in and about the
10 time that the case settled, June 2010; right?

11 A. That's the date of the report. Yes.

12 Q. And on the page that -- page 9, which is
13 headlined Impax Not Likely to Launch at Risk, it says,
14 "GPOs, Wholesalers, Pharmacists, Academic Key Opinion
15 Leaders and most Financial Analysts doubt Impax would
16 launch at risk."

17 You see that; right?

18 A. Yes. Although, in the context of this report,
19 they're saying launch at risk before there's a court
20 decision.

21 I think there's two kinds of launching at risk.
22 One is launching, you know, before you have the
23 district court decision. That's a sort of a high-risk
24 at launch -- launch at risk. And then there's the --
25 you get a favorable court decision and you launch prior

1 to a final Federal Circuit decision.

2 So those are -- I think Mr. Figg referred to
3 this also in his testimony.

4 So there are different levels of launch at
5 risk. I don't -- we've been talking in this
6 proceeding and we've sort of agreed that a launch at
7 risk means after a favorable district court opinion
8 but before a final Federal Circuit decision. That's
9 the way we've been using that term. But I don't know
10 that everybody necessarily uses it exactly the same
11 way.

12 Q. Okay. Well, the contemporary business
13 documents of Endo that you reviewed, they were all
14 prior to any district court decision; right?

15 A. Right. But they were all forecasting a launch
16 after, after the district court decision or at,
17 you know -- they were forecasting a launch at the
18 earliest in July or that I saw in July of 2010, which
19 would have been sort of -- which would have been after
20 a district court decision. That's also consistent
21 with -- with the e-mails from the -- from the CEO that
22 it would be -- that -- that it would depend on the --
23 the PI decision.

24 Q. There's an e-mail from the Endo CEO predicting
25 when Impax would launch at risk?

1 A. The Impax -- the Impax person.

2 The Endo -- the Endo internal documents were
3 looking -- there were also Endo internal documents
4 that were looking into, for example, what would be
5 involved in getting an authorized generic on the
6 market as a defensive strategy and what those sales
7 would be.

8 And they had a number of risk scenarios
9 contemporaneous with this document. They had scenario
10 one, scenario two, scenario three -- I think it went
11 down through scenario six or something -- evaluating
12 all possible risk scenarios.

13 And one -- certainly one of the scenarios was
14 that Impax launched immediately, then was a scenario
15 that Impax maybe launched a little later. There was a
16 scenario where they launched with an authorized and
17 not.

18 So there was a lot of internal Impax
19 documents -- I mean, Endo documents relating to their
20 perception of Impax' launch at risk that suggested
21 that even -- whether they thought it was likely or
22 unlikely, it was nevertheless a serious enough
23 possibility that they were spending time war-gaming it,
24 going through all their possible defenses and preparing
25 for it.

1 Q. And that would be consistent with your
2 experience working at Novartis where people forecast
3 lots of different scenarios, upside, downside, risks,
4 et cetera; right?

5 A. Yes.

6 Q. Now, this document on page 9 goes on to say --
7 and this is the middle quote in blue -- "We haven't
8 heard anything about a launch of oxymorphone any time
9 soon... We do not anticipate any of these companies to
10 launch at risk... We would know from the sales reps
11 about the launch a few months in advance and have not
12 heard anything."

13 You see that; right?

14 A. I'm sorry. What do I -- where -- "We haven't
15 heard anything," that's on page 9.

16 Q. Do you see that?

17 A. Yes. It says that the person at
18 AmerisourceBergen has not heard about a launch of
19 oxymorphone.

20 Q. And AmerisourceBergen, you know that to be a
21 big company that buys pharmaceuticals; right?

22 A. Yeah.

23 Q. They'd be one of the biggest customers for a
24 generic launch such as oxymorphone ER; right?

25 A. They would be a customer. I don't know exactly

1 what the channels would be for this, for this
2 particular product. Pharmaceuticals go through
3 different channels.

4 Q. Let's go to page 10.

5 And this page represents Financial Analysts'
6 Views: Impax Launch at Risk.

7 Do you see that?

8 A. Yes.

9 Q. Do you see at the top of the page someone from
10 Roth Capital Partners says, "Impax will wait until they
11 settle in the court... I do not think Impax will launch
12 at risk"?

13 You see that; right?

14 A. Yes.

15 Q. Did you take that into account when you said
16 that Endo -- Endo's contemporary business documents
17 reflect a view that the Impax launch at risk was a
18 real possibility?

19 A. I'm sorry. That's a statement by Roth Capital
20 Partners. That's not a statement by Endo.

21 Q. But it's a statement in an Endo document
22 presented to Endo evaluating whether Impax would launch
23 at risk; isn't that right, sir?

24 A. Yeah. It says -- I mean, it says what it says
25 and it is what it is, but it doesn't -- it doesn't

1 nullify the fact that there were contemporaneous
2 documents where they were taking this seriously.

3 If you look at the next quote I think that's
4 from UBS, that maybe presents a more accurate, more
5 detailed or more in-depth analysis of the situation.

6 Q. So you would agree with UBS' analysis where
7 they said (as read): I would doubt that they will
8 launch at risk. I would suggest that they are going to
9 wait until the legal proceedings are done. Well, you
10 have to look at two main things. The first is the
11 history of what the company has done in the past.
12 Impax tends not to launch at risk. But the other thing
13 you have to look at is the merits of the patent that's
14 being challenged. Is it clear-cut? Is the original
15 patent really strong? Is Impax skeptical that the
16 challenge to Endo's patent will hold up in court? How
17 confident does the generic company feel that the
18 challenge is valid? So it is more than just looking at
19 the history of what Impax has done. But still looking
20 as a whole, I do not think that they will launch at
21 risk.

22 You agree with that statement; right?

23 A. Yeah. I don't know exactly what they mean by
24 "hold up in court" because now -- it seems to me that
25 these -- as I said, launch at risk, it -- the "hold up

1 in court" implies that there -- is there a risk that
2 they're going to launch prior to a court decision, and
3 I -- I think, you know, that is one question.

4 And then there is the question of, if they get
5 a favorable court decision, are they going to -- are
6 they going to launch pending a Federal Circuit appeal.

7 So like I said at the beginning of this
8 discussion, I don't know how they're defining "launch
9 at risk," but it implies, when you talk about settling
10 in court and is it going to hold up in court, that
11 their focus is more at the trial court and not in the
12 federal -- not in the Federal Circuit, you know.

13 I don't think they're -- I don't see anything
14 here about, you know, 2013 launches or anything like
15 that.

16 Q. Well, sir, you would agree that this
17 contemporary Endo business document reflects that Impax
18 was unlikely to launch at risk; correct?

19 A. I think it reflects the views of certain
20 people regarding a launch prior to the -- the -- the
21 trial court decision. I -- I think it's ambiguous as
22 to whether it reflects a launch after a favorable -- a
23 favorable court ruling. I think that would have a
24 significant impact probably on these views.

25 Q. Sir, let's talk about the risks to the second

1 generic company to launch at risk.

2 You can set that aside.

3 Sir, you would agree that the risks to the
4 second generic company to launch at risk are lower?

5 A. Excuse me?

6 Q. You would agree, sir, that the risks to the
7 second generic company to launch a particular product
8 at risk are lower; correct?

9 A. That's correct, yes.

10 Q. First, they don't have first-filer exclusivity
11 to lose?

12 A. Well, yes.

13 Q. And second, the patent holder may have a
14 harder time arguing for damages based on the
15 patentee's lost profits because it can market with
16 multiple -- because in a market with multiple generics
17 it can be difficult to show that, but for the generic
18 sale, the sale would have gone to the patentee rather
19 than to another generic.

20 You agree with that; right?

21 A. That's correct, yes.

22 Q. And so the second company, second generic
23 company to launch at risk, faces a lower damage
24 exposure than the first; right?

25 A. It also has -- it faces lower damage exposure

1 also because it has typically much, much, much lower
2 sales, so less -- less risk, less opportunity.

3 Q. And the -- in terms of the less risk, the
4 second company's damage exposure would typically be a
5 reasonable royalty on the generic company's sales;
6 right?

7 A. That's the minimum damages under the patent
8 statute. Yes.

9 Q. And so, for example, in this case, when Actavis
10 launched at risk in 2013 after Impax' risk, it --
11 excuse me -- after Impax' licensed launch, it faced a
12 less -- a lower damages risk; correct?

13 A. I believe with respect to some strengths.
14 Actavis had first filer status with respect to
15 some dosage strengths and it had second -- second filer
16 status or subsequent filer status with respect to other
17 dosage strengths, so it would have different risks for
18 different dosages.

19 Q. But on the strengths where it was second filer
20 after Impax, it would only face reasonable royalty
21 damages for its 2013 launch at risk; right?

22 A. That -- that's possible. That would have --
23 they certainly would have had a good argument for
24 reasonable royalties rather than -- rather than lost
25 profits, especially also I think at -- I'm not sure,

1 but I think at that point their -- their Endo product
2 had switched so that also would have contributed to the
3 lost profits analysis insofar as Endo didn't have
4 the -- you know, the -- the brand -- it wasn't -- you
5 weren't able to show a direct -- a direct automatic
6 substitution with -- from the branded drug to the
7 Actavis drug.

8 Q. But the lower risk to Actavis was -- the risk
9 to Actavis was lower in part because Impax was already
10 on the market; right?

11 A. Yes. And also because -- because Endo had
12 changed its product by then and no longer would be
13 selling the original formulation.

14 Q. Sir, in paragraph 13(b) of your report, you
15 offer the opinion that "At-risk launches are not
16 uncommon in situations where the generic company is at
17 risk of losing its market opportunity if launch is
18 delayed."

19 That's one of your opinions in this case;
20 right?

21 A. Yes.

22 Q. And you used the double negative "not
23 uncommon."

24 Should we understand your report to say that
25 at-risk launches are common?

1 A. I wouldn't say that. I wouldn't say they're
2 common, but they're common in particular situations.
3 As I said, the multi- -- you know, where you have
4 multiple exclusivity holders and a race to market is a
5 situation where they're most common. But they -- they
6 certainly -- they certainly can happen.

7 And I think as Mr. Figg pointed out, it is true
8 that some companies have a greater appetite for risk
9 than others. That's true, too.

10 So there are a number of factors to take into
11 consideration.

12 Q. Okay. So, for example, multiple exclusivity
13 holders, that would be if more than one company was
14 first to file?

15 A. That's one scenario. Yeah.

16 Q. And that's not a situation that existed here
17 for Impax; right? They were the sole first filer?

18 A. That's correct. For those dosage strengths,
19 yeah.

20 Q. And in terms of companies having a greater
21 appetite for risk, you're aware, aren't you, for
22 example, that Teva has done roughly half the launches
23 at risk that have occurred in the last 15 years?

24 A. Yes. Teva is a company that has a -- you know,
25 a high willingness to take risks.

1 Q. And a far higher willingness to take risks
2 than, for example, Impax, which as of this point in
3 time had never had, for example, a first-to-file launch
4 at risk; right?

5 A. I think they did have -- I don't know if -- I
6 don't know the details. I think they did have an
7 at-risk launch. I don't know if they actually went --
8 I don't know exactly what happened with that case, but
9 there certainly was -- they were -- they were in an
10 at-risk launch situation before because I believe it
11 was disclosed in the CID responses that they were
12 trying to use that as leverage against Endo in the
13 settlement discussions. They said, Oh, you know,
14 we've got a history of doing this, we've done it
15 before, we'll do it again.

16 So to what extent they were bluffing and to
17 what extent that was really true I don't know, but
18 they -- they apparently did use that as a negotiation
19 tactic. That's in the CID responses that are
20 referenced in my report.

21 Q. And the at-risk launch that's referenced in the
22 CID responses, that's when Impax launched at risk on
23 OxyContin, the 80 milligram dose of OxyContin in 2005;
24 right?

25 A. Right.

1 Q. But that was after Teva had launched at risk on
2 OxyContin in 2005.

3 Are you aware of that?

4 A. I don't recall all the details, but yeah, it
5 could well have been.

6 Q. But if Impax was second to launch at risk, it
7 would have benefited, as we just discussed, the fact
8 that Teva had already launched at risk; right?

9 A. As -- as I said before, it's -- it's a --
10 being the first to launch at risk is a -- is a higher
11 risk. It's also a higher reward, so you have to sort
12 of net those two to come up with a -- come up with a
13 number.

14 Q. And you -- are you aware that when Impax
15 launched at risk on OxyContin, it was after a favorable
16 district court decision?

17 A. I don't know the details of Impax' launch of
18 OxyContin. That's outside the scope of my report.

19 Q. Now, you've not done any empiric work to
20 quantify how common at-risk launches are; correct?

21 A. No, I haven't.

22 Q. And you've only personally, as we've already
23 established, had experience with one at-risk launch in
24 your 31-year legal career; right?

25 A. No. That's not what I testified.

1 Q. I'm sorry. Only one on the generic side. You
2 think there might have been some on the brand side.

3 A. Right.

4 Q. But you don't remember whether they were in
5 fact launches at risk?

6 A. I'm pretty sure they were, but I -- I'd have --
7 I'd have to go back and check. I'm pretty sure
8 cyclosporine was. Well, cyclosporine I'm sure was.
9 I'm not sure -- I'm not sure about the pamidronate.

10 JUDGE CHAPPELL: Do you have an estimate of how
11 much time? You're getting close to two hours.

12 MR. HASSI: I probably have another two hours
13 at this rate, Your Honor.

14 JUDGE CHAPPELL: Another two hours?

15 MR. HASSI: Just looking at my outline, yes,
16 Your Honor.

17 JUDGE CHAPPELL: Better get busy.

18 MR. HASSI: Yes, Your Honor.

19 BY MR. HASSI:

20 Q. Sir, do you know how many Hatch-Waxman cases
21 are filed annually?

22 A. Excuse me? How many Hatch-Waxman cases are
23 filed?

24 Q. Annually?

25 A. Annually? I don't know that number.

1 Q. You haven't looked it up?

2 A. No, I haven't.

3 Q. Okay. Let's bring up RX D-20.

4 Your Honor, this is a demonstrative. It's the
5 Lex Machina report.

6 A. Okay.

7 Q. Have you seen this, sir? It's a report related
8 to Hatch-Waxman ANDA litigation from 2017.

9 A. I don't really recall it honestly, but I --
10 I'm -- if you could show me what you want to ask me,
11 I'll try to respond.

12 Q. Let's look at page -9. There's a chart at the
13 top of the page Overview.

14 And do you see at the top of page 9 this
15 company has analyzed the number of ANDA filers filed in
16 any given year from 2009 to 2016?

17 A. Yes.

18 Q. And they run from a low of 236 to a high of
19 468 cases?

20 A. Yes.

21 Q. And if you go to the next page, and that's
22 page -10 and the blue box, Robert, if you could blow
23 that up.

24 Do you see in the middle paragraph they
25 calculate and they say, "In 2016, 316 ANDA cases were

1 filed" and that "Between 2009 and 2013, an average of
2 around 269 ANDA cases were filed per year"?

3 A. Yeah. Although -- although I would note that
4 the way they're counting those numbers there, they're
5 counting cases where you have multiple defendants.
6 They're counting those as separate cases, whereas very
7 often these cases -- that doesn't reflect the number of
8 products for which there was an ANDA case. It
9 reflects the number of generic ANDA filings, so there
10 might be ten ANDA filings on one product, so that might
11 only reflect, you know, a much lower number of
12 products.

13 Q. But you didn't look at these statistics in
14 coming up with your opinion that at-risk launches are
15 common; right?

16 A. No, I didn't. As I said, I -- I don't think
17 that the general statistics are necessarily that
18 relevant to the individual situation in this case.

19 Q. Okay. Now, you're aware that Dr. Noll came up
20 with a list of -- with the assistance of the FTC, came
21 up with a list of 48 at-risk launches over a 15-year
22 period?

23 A. That's -- that's possible.

24 Q. You've seen --

25 A. I mean, Dr. Noll can speak to that. That's not

1 part of my report.

2 Q. You've seen Exhibit 4 to Dr. Noll's report,
3 haven't you, sir?

4 A. Excuse me.

5 Q. You've seen Exhibit 4 to Dr. Noll's report, the
6 list of at-risk launches?

7 A. I've seen Dr. Noll's report. I don't know if
8 I've seen all the exhibits to Dr. Noll's report.

9 Q. Well, if Dr. Noll came up with a list of
10 48 at-risk launches over a 15-year period, you'd agree
11 that's about three per year?

12 A. I have no reason to necessarily question that.

13 Q. And three at-risk launches per year as against
14 269 ANDA litigations on average would be about a
15 1.5 percent --

16 A. Well --

17 Q. -- at-risk launch --

18 A. -- by ANDA litigations, you know, like a lot of
19 these cases really, you know, disappear, disappear very
20 early. You know, the generic companies will file
21 something. It will -- they'll go quick, try to get a
22 little discovery, and then they'll just -- they'll just
23 fold.

24 So, I mean, a lot of them are not really --
25 although the numbers are higher -- that you're showing

1 here are higher than, you know, the number of cases
2 that are actually hotly litigated and they're also
3 inflated by the fact that you have all these piggyback
4 filings -- you know, once one person files, you know,
5 ten others piggyback on that filing and that -- that
6 sort of inflates the numbers unrealistically, but -- so
7 I wouldn't say that that percentage is a very
8 meaningful percentage. If it's at-risk launches where
9 you have a first filer opportunity, it might be
10 higher.

11 Q. Okay. Well, let's look at -- you're aware that
12 Royal Bank of Canada did an empiric analysis of at-risk
13 launches?

14 A. The Royal Bank of Canada now?

15 Q. Yes, sir. It's RX 425 in your binder.

16 And Robert, if you could please bring that up.

17 A. Yeah, I'm familiar with this document. That
18 was cited in Mr. Figg's report.

19 Q. And you've read this and understand it's an
20 analysis of Hatch-Waxman litigation from 2003 to 2009?

21 A. Yes, it's an analysis. Yes.

22 Q. And it looked at all of the at-risk launches
23 during that period 2003 to 2009?

24 A. Yes.

25 Q. And if we go to page 11 of the report, at the

1 very top -- Robert, if you could blow up the
2 paragraph.

3 Do you see in the middle of this paragraph it
4 says, "Also, as previously discussed, at-risk launches
5 are fairly uncommon"?

6 Do you see that?

7 A. Yes.

8 Q. So RBC, after doing an empiric analysis,
9 concluded that at-risk launches are fairly uncommon.

10 Do you agree with that?

11 A. I think as I've said -- I think in my report I
12 said they are not uncommon in certain situation --
13 they're not uncommon in situations where there is a
14 strong economic incentive to launch at risk, where the
15 exclusivity, for example, is not secure because you
16 have multiple filers. I think that's what it says in
17 my report.

18 So this is at-risk launches generally, and I
19 would say, you know, generally there -- there's --
20 they're not -- they're -- they -- I would agree with
21 that statement as a general proposition. And yes, I
22 would agree more in 2010 than in -- than today. I
23 think they -- they've become more common over time.

24 Q. So you'd agree they were less common in 2010;
25 right?

1 A. Yes, they were less common in 2010. And they
2 were even less common in 2003 or '4. I mean, they have
3 gotten more common with time. The tolerance for risk
4 has evidently grown or the market incentives for
5 launching early have grown, one or the other.

6 Q. And you've not made any effort to identify
7 at-risk launches that were the result of a lack of
8 security that caused the -- caused the generic company
9 to therefore launch at risk to get its share of the
10 market?

11 A. I haven't done the kind of numerical analysis
12 that you're talking about, but I have given examples
13 and I have looked, you know, at -- I've looked at
14 at-risk launches.

15 I mean, I'm familiar with the concept and I'm
16 familiar with the fact that this is -- this is a --
17 you know, this is always -- this is always a risk for a
18 branded company, you know, that there might be an
19 at-risk launch. That's something that can happen. And
20 it's a big risk because, when it happens, it can be
21 devastating.

22 Q. And when you say you've given examples, you've
23 given one example, and that's the Augmentin at-risk
24 launch that you participated in when you were at
25 Novartis?

1 A. I thought that was the close -- most on point,
2 but I've mentioned others.

3 Q. Can you identify any other examples, as you sit
4 here today, of an at-risk launch with --

5 A. I've mentioned the cyclosporine situation
6 where we were on the other side of the launch. And
7 then we -- I mean, there -- you know, there are --
8 there are at -- as I -- you know, this is -- this term
9 "at-risk launch" is a little bit fuzzy because, I think
10 as I said at the beginning, every launch is to some
11 degree at risk.

12 You know, there are patents, but this is a
13 particular -- you know, all launches are risky and
14 there's -- there are risks of patent infringement that
15 you address. And sometimes the risks are relatively
16 high, and sometimes the risks are relatively low.
17 When you're in litigation, of course, they're
18 relatively high. They are less high after you've got a
19 district court decision, and they're still less high
20 after you've got a Federal Circuit decision, so,
21 you know, there -- there are -- there are levels of
22 risk. It's not a -- it's not a binary, it's at risk or
23 it's totally at risk or it's totally safe.

24 I feel that when you try to do these
25 statistics it's very unrealistic in the sense that it's

1 not such a -- it's not such a binary decision, in my
2 experience.

3 Q. Sir, my question was --

4 JUDGE CHAPPELL: Hold on a second.

5 We're going to take a short break. And when we
6 come back, I'd like for you to clarify with the witness
7 what "at-risk launch" means.

8 We'll reconvene at 3:05.

9 We're in recess.

10 (Recess)

11 JUDGE CHAPPELL: Back on the record.

12 Go ahead.

13 BY MR. HASSI:

14 Q. Mr. Hoxie, before the break, Judge Chappell
15 asked me to ask you to define "at-risk launch."

16 You would agree that as used in your report,
17 an at-risk launch is a launch before a generic firm
18 has a nonappealable judgment in a litigation; correct?

19 A. Yes.

20 Q. Let's talk about the patent litigation between
21 Impax and Endo.

22 Now, the standard of proof for the brand firm
23 to prove infringement is preponderance of the evidence;
24 correct?

25 A. That's correct.

1 Q. And the standard of proof for the generic firm
2 attempting to prove invalidity is clear and convincing
3 evidence; correct?

4 A. That's correct.

5 Q. And Hatch-Waxman cases are typically bench
6 trials?

7 A. That's usual. Yes.

8 Q. And you would agree that a bench -- that a
9 judge -- excuse me -- sitting in a bench trial would
10 understand the difference between a preponderance of
11 the evidence standard and a clear and convincing
12 evidence standard; correct?

13 A. I'm not sure that anybody really understands
14 that difference, but a judge would understand that
15 better than most.

16 Q. So the answer is yes, a judge would understand
17 it?

18 A. A judge would try to understand, yes.

19 Q. Do you agree that claim construction can be a
20 very important factor in patent infringement cases;
21 correct?

22 A. Yes.

23 Q. And you would agree that in many cases claim
24 construction can be dispositive?

25 A. Yes.

1 Q. And you agree that each party would advocate
2 for a claim construction that would be most
3 advantageous for their case going forward; correct?

4 A. Yes.

5 Q. And you agree that a claim construction ruling
6 can change how parties present their case at trial;
7 correct?

8 A. Yes.

9 Q. And that may mean that a party cannot present
10 certain evidence if it's irrelevant to the chosen claim
11 construction; correct?

12 A. That would depend on the judge, whether the
13 judge wanted -- I mean, the scope -- the scope of --
14 of -- the -- how the judge would have -- how the judge
15 would handle a particular objection in a particular
16 case and how they'd define what's relevant.

17 A judge might well want to make a record even
18 on -- you know, on certain issues to allow the
19 Federal Circuit some latitude on appeal.

20 For example, in a patent case, there's no
21 relevance to validity once the noninfringement has been
22 established. Nevertheless, the Federal Circuit says
23 you have to go on and make findings about validity so
24 that the Federal Circuit can avoid the risk of a
25 do-over, which they try to do. There's a number of

1 cases on that.

2 Q. Sir, are you suggesting that judges will allow
3 irrelevant evidence as an alternative in case their
4 claim construction ruling is overruled by the
5 Federal Circuit?

6 A. I'm suggesting judges have some latitude in
7 what they allow at trial, and federal district judges
8 may well try to develop a full record at trial, in my
9 experience.

10 Q. Now, you don't offer an opinion as to whether
11 Impax or Endo would have won the patent litigation;
12 right?

13 A. I do not.

14 Q. You believe the outcome was uncertain?

15 A. It was.

16 Q. And you believe the patent litigation presented
17 risks to both Endo and Impax; correct?

18 A. Yes.

19 Q. And the risk to Impax was that losing the case
20 would mean it would not be able to market its
21 oxymorphone ER product until at least
22 September 2013 when the patents expired; correct?

23 A. That's -- that's correct.

24 Q. And you agree that if the court were to rule
25 that Impax infringed either of the two patents and

1 found the infringed patent to be valid, the court would
2 enter an injunction under 274(e) of Hatch-Waxman;
3 correct?

4 A. Most likely, yes.

5 Q. And so Impax had to win against all of the
6 claims at issue in the litigation to avoid an
7 injunction if the patents were valid; correct?

8 A. That's -- that's the most likely result. Yes.

9 Q. And you say the outcome is uncertain, but you
10 disagree with Mr. Figg that it is more likely than not
11 that Endo would have won following the claim
12 construction ruling; correct?

13 A. That's correct.

14 Q. But your report doesn't offer any prognosis on
15 the outcome other than uncertain; correct?

16 A. That's correct.

17 Q. Now, claim construction is typically decided
18 following a hearing referred to as a Markman hearing?

19 A. That's right.

20 Q. And prior to the Markman hearing, you didn't
21 have any opinion as to who had the stronger position as
22 between Impax and Endo; correct?

23 A. Excuse me. Prior to the Markman hearing?

24 Q. Yes, sir.

25 A. No. I -- I was looking at the state of affairs

1 as they existed at the time the settlement and license
2 agreement was negotiated. That was the focus of my
3 report.

4 Q. You would agree that the court adopted Endo's
5 proposed claim construction of "hydrophobic material"
6 word for word?

7 A. Yes.

8 Q. And the court adopted Endo's proposed
9 construction of "sustained release" word for word.

10 A. Yes.

11 Q. And you agree that the claim construction of
12 "hydrophobic material" required particular tests.

13 A. That -- that was -- that was likely that it
14 would have required some kind of testing, yes, because
15 it was a functional definition, unless you could show
16 that those elements would be somehow inherently met.

17 Q. And Endo's experts commissioned tests aimed at
18 proving that Impax' product infringed because it
19 contained hydrophobic material; correct?

20 A. Endo -- Endo's attorneys commissioned certain
21 tests. We don't know the extent of what tests were
22 done. We only know the extent of the tests that were
23 eventually presented, so there could have been other
24 tests that weren't presented that were unresponsive of
25 their case. That's why it's done through attorneys.

1 And those tests, in the view of Impax' expert
2 and I think were very convincingly stated by Impax'
3 expert, did not establish infringement.

4 Q. Sir, I didn't ask you anything about Impax'
5 expert, did I?

6 A. Impax' expert was --

7 Q. No, sir. My question was --

8 A. -- part of the basis of my report, so that's
9 why I refer to it in my report.

10 Q. Sir, I'm just trying to get out of here today,
11 and if you could answer the question I ask without
12 volunteering additional information from your report,
13 we'll all finish a little bit sooner. Okay?

14 Can you try to do that?

15 A. I can try, but I'm trying to give a fair and
16 balanced answer to your questions.

17 Q. Okay. Try to listen to my question.

18 And you would agree, sir, that a rational
19 litigant would have tailored the tests to ensure that
20 they would satisfy their proposed claim construction;
21 correct?

22 A. No. The tests are science. You do the tests.
23 You find out what they find out. There are limits to
24 the amount of tailoring that can be done to establish a
25 fact which isn't a fact.

1 In this case, the tests were done. They
2 didn't support Endo's case, so I don't know -- and I
3 don't have any basis for your assertion that they
4 could have been tailored differently to provide a
5 better result for Endo.

6 And I note that the tests were performed after
7 the claim -- after the parties had made their claim
8 construction submissions, not before, so Endo didn't
9 necessarily know that the evidence wasn't going to
10 support its position. As it turned out, it didn't --

11 Q. Sir --

12 A. -- according to Impax' expert.

13 Q. -- it was attorneys, not scientists, who set up
14 the tests; right?

15 A. It was attorneys who -- who retained the firm
16 Anderson Labs that did the tests, and the tests
17 were -- I -- I don't know the details of how -- how it
18 was determined what tests would be conducted. I
19 assume the experts were involved to some extent at
20 least.

21 Q. And you would expect Endo's attorneys, in
22 commissioning scientific tests, would tailor those
23 scientific tests to Endo's claim construction that they
24 were advancing in the litigation; right? That's what
25 you would do as a lawyer; right?

1 A. Right.

2 And the tests, critical tests, showed that the
3 concentration of the level of microcrystalline
4 cellulose did not affect the dissolution and release of
5 the active ingredient, which was the function that it
6 was supposed to perform, in accordance with the judge's
7 claim construction, so the Impax product failed the
8 tests. And I don't have any basis for believing the
9 tests could have been provided -- designed differently
10 so as to provide a more helpful result to Endo.

11 Q. Now, you'd agree that Impax' expert witnesses
12 didn't conduct any testing of their own in support of
13 their position under the court's claim construction;
14 correct?

15 A. They didn't need to, wasn't their burden.

16 Q. Your position is simply that Impax' criticisms
17 of Endo's testing would have prevented Endo from
18 proving infringement by a preponderance of the
19 evidence; correct?

20 A. It's not -- not criticisms of the testing but
21 what the testing showed. The testing didn't show that
22 it affected release of the active agent. It didn't
23 perform the hydro- -- the MCC didn't perform the
24 function that it was supposed to perform. Dr. Lowman
25 agreed with that.

1 Q. Does Dr. Lowman, Endo's expert, agree with your
2 position, sir?

3 A. Yes, he does. He agreed that it did not affect
4 the dissolution of the product. That's in a footnote
5 in his report.

6 Q. And the rest of his report?

7 A. In the rest of his report he tried to make
8 some arguments why it nevertheless fell under the --
9 why the -- why other testing nevertheless supported
10 his position, water uptake testing.

11 But as -- as Dr. Elder pointed out very
12 convincingly, that testing did not actually relate to
13 the hydrophobicity or the effect of water absorption
14 by MCC, microcrystalline cellulose, in isolation. All
15 it showed was that sugar, lactose, absorbs water
16 better than wood pulp, which is microcrystalline
17 cellulose.

18 Q. Sir, this was a battle of the experts between a
19 couple of Ph.D. chemists, Dr. Lowman and Dr. Elder;
20 correct?

21 A. Yes.

22 Q. And you side with Dr. Elder; correct?

23 A. I don't side with anybody, but I do feel that
24 Dr. -- I felt that Dr. Elder -- Elder's report and his
25 rebuttal report was -- was very persuasive on that

1 topic.

2 Q. You don't have a Ph.D. in chemistry, do you,
3 sir?

4 A. No, sir.

5 Q. And you offer no opinion as to how Impax'
6 arguments would have ultimately fared; correct?

7 A. No.

8 Q. And in your report you don't offer any opinions
9 as to who would or wouldn't have won on any particular
10 issue, including infringement; correct?

11 A. That's correct.

12 Q. Now, with regard to infringement, you recognize
13 that a generic company must certify to the FDA that its
14 product is bioequivalent to the reference listed drug;
15 correct?

16 A. Yes.

17 Q. And Endo cited Impax' statements about
18 bioequivalence as proof of its infringement arguments;
19 correct?

20 A. I'm -- they cited that in their pretrial
21 brief. They tried to make arguments along those
22 lines.

23 Q. And so, for example, with regard to
24 infringement of the sustained-release excipient claim,
25 Impax certified to the FDA that its product is

1 bioequivalent to Opana ER and provides continuous,
2 around-the-clock opioid treatment when dosed every
3 12 hours; correct?

4 A. That's correct. But it has nothing to do with
5 patent infringement. I'm sorry. I'm not following
6 you.

7 Q. Sir, in your report you don't offer any
8 opinions disagreeing with Mr. Figg's statement that
9 the patent owner is aided in proving infringement by
10 the fact that the generic drug is designed to be
11 bioequivalent to the brand drug to obtain FDA approval;
12 correct?

13 A. I disagree with that statement.

14 Q. But you don't offer any evidence --

15 A. I do offer the opinion that there's not a
16 nexus between the patent claims and the product at
17 issue, and so that's part of that opinion. There's no
18 nexus because those claims don't have anything in
19 particular to do with the products.

20 Saying you're bioequivalent to Endo's product
21 does not mean that you infringe some claim by a patent
22 which was invented by different people years earlier
23 which doesn't mention Endo's product, so I -- there's
24 no nexus. I explained that at some length earlier
25 today.

1 Q. Sir, the word "bioequivalent" doesn't even
2 appear in your report, does it?

3 A. I don't believe it does. It's not relevant to
4 patent infringement.

5 Q. And the term "therapeutically equivalent"
6 doesn't appear in your report, does it?

7 A. I don't believe "therapeutically equivalent"
8 appears, no. That's not relevant to infringement.
9 That's relevant to FDA approval, different -- different
10 legal issue, different legal standard, different --
11 different issue entirely.

12 Q. And your report doesn't address the
13 relationship, if any, between infringement and
14 bioequivalence or therapeutic equivalence; correct?

15 A. Well, there is no relationship.

16 Therapeutic equivalence relates to -- as used
17 by the FDA, relates to equivalence to the reference
18 listed drug, bioequivalence to the reference listed
19 drug.

20 Patent infringement relates to what meeting
21 each and every limitation of a claim of the patent.
22 The reference listed drug is not a claim of the patent.
23 They're just -- they're -- it's apples and oranges.
24 This is -- they're totally different legal standards
25 for totally different purposes.

1 Q. Sir, you read Impax' Paragraph IV notice
2 letters to Endo?

3 A. Yes. I believe I did, yeah.

4 Q. And you're aware that at the time Impax sent
5 Endo its Paragraph IV notice letter, Impax did not even
6 claim Endo's patents were invalid; correct?

7 A. I don't think it's necessary for them to do
8 that, but I -- they said what they said. I don't
9 remember the details of what they said, but it's
10 certainly not a requirement that you raise all issues
11 in a Paragraph IV notice, in my experience.

12 Q. Sir, yes or no, are you aware that at the time
13 Impax sent Endo its Paragraph IV notice letter, Impax
14 did not even claim that Endo's patents were invalid?

15 A. And as I said, I remember there was a
16 Paragraph IV letter, I don't remember the specifics of
17 the Paragraph IV letter, and I don't think it's
18 relevant to my analysis.

19 Q. So you didn't take into account the fact that
20 Impax did not claim Endo's patents were invalid in its
21 Paragraph IV letter; is that right?

22 A. They weren't required to do that, and they
23 would prefer not to have to do that, so why would
24 they. I mean, I just don't know -- I'm sorry. I --
25 it's not relevant to my report, and so no, I did not

1 take it into account.

2 Q. Sir, patents are presumed valid by statute;
3 correct?

4 A. That's correct.

5 Q. And to overcome the presumption, Impax would
6 have to prove each and every claim of the patents were
7 invalid by clear and convincing evidence; correct?

8 A. That's correct.

9 JUDGE CHAPPELL: Ironsides, welcome.

10 MR. MITCHELL: Thanks.

11 BY MR. HASSI:

12 Q. And sir, clear and convincing evidence is a
13 higher burden than preponderance of the evidence;
14 correct?

15 A. That's my understanding. Yes.

16 Q. And you don't offer an opinion in your report
17 about which party would prevail on invalidity;
18 correct?

19 A. No.

20 Q. You only opine that Impax' validity arguments
21 could have made it more difficult for Endo to prevail;
22 right?

23 A. That's correct.

24 Q. And you didn't say in your report that Impax'
25 validity arguments would make it impossible for Endo to

1 prevail; correct?

2 A. No, I didn't say that.

3 Q. Now, you testified earlier today that the
4 court's claim construction opened the door to Impax
5 bringing in new prior art; is that right?

6 A. Or additional prior art. Yes.

7 Q. You didn't review the underlying prior art
8 that was the basis for Impax' anticipation claims;
9 correct?

10 A. No. I read the summaries in the expert
11 reports.

12 Q. And you would agree that the prior art
13 anticipated Endo's patents under the court's claim
14 construction -- excuse me.

15 You would agree that to prove the prior art
16 anticipated Endo's patents under the court's claim
17 construction, the prior art would need to function in
18 the manner described by the claim construction;
19 correct?

20 A. That's correct.

21 Q. You agree that Impax did not conduct any
22 studies to show the prior art met the construction of
23 "hydrophobic material"; correct?

24 A. No. They didn't conduct any studies in
25 relation to the prior art formulations.

1 Q. And you agree that after the claim construction
2 decision, it was too late in the case for Impax to
3 conduct those studies and offer them as evidence in the
4 case; correct?

5 A. That's correct.

6 Q. Expert discovery had closed by then; correct?

7 A. Yes.

8 Q. And the same would be true for introducing new
9 prior art; correct? Expert discovery had closed by
10 then.

11 A. That's correct.

12 Q. So given that expert discovery had closed,
13 whether or not Endo had -- their claim construction had
14 opened the door to Impax bringing in new prior art was
15 irrelevant at this stage of the case; right?

16 A. I think what I testified is that in
17 Dr. Elder's report, in the prior art that was listed
18 in Dr. Elder's report, there were two categories of
19 prior art, one category of prior art where the
20 examples in the references had material that was
21 unambiguously hydrophobic, like a wax, for example.

22 And then there were others where they contained
23 microcrystalline cellulose, sustained-release tablets
24 that contained microcrystalline cellulose, and so the
25 question was could you argue that the microcrystalline

1 cellulose was inherently performing the function in
2 those sustained-release tablets that had compositions
3 very similar to the Impax formulation.

4 So that was -- that was -- those were the
5 categories of art that we were looking at, so by
6 opening up the functional definition and bringing in
7 microcrystalline cellulose, which is not in -- in --
8 which does not meet the ordinary meaning of
9 "hydrophobic material," that opened up the door to
10 saying that these other references that also contained
11 hydrophobic -- that also contained microcrystalline
12 cellulose met the hydrophobic claim limitation.

13 That's the way it was explained by Dr. Elder in
14 his report. You can look at his report.

15 Q. Sir, my question was a yes-or-no question as to
16 whether it was irrelevant, and I can't honestly tell
17 from your answer whether you answered me yes or no.

18 Is the answer yes, it was irrelevant or no, it
19 was not irrelevant?

20 A. I think your question had a predicate --

21 Q. Can you --

22 A. -- about new prior art and bringing new prior
23 art into the case, but I'm telling you the prior art
24 was in the case, and so it was -- the predicate of
25 your question that the art was not in the case and

1 hadn't been identified by the experts is wrong, and so
2 that's why the confusing answer, because your question
3 was predicated on a false assumption.

4 Q. So when you said Endo -- the claim
5 construction ruling opened the door to new prior art,
6 you meant prior art that wasn't new but was already in
7 the case?

8 A. Yes. That was new under that claim
9 construction that would not have been available as
10 prior art under the other claim construction --

11 Q. Okay.

12 A. -- the Impax claim construction.

13 Q. Now, you didn't actually review any of that
14 prior art to determine if the claim construction really
15 substantially increased the number of prior art
16 references potentially relevant to Impax' anticipation
17 claims; correct?

18 A. I relied on the summaries in the expert
19 reports. On both sides.

20 Q. And in your report you opine only that Endo's
21 position created significant litigation uncertainties;
22 correct?

23 A. That's correct.

24 Q. You didn't present any opinion as to the
25 ultimate outcome of invalidity by means of

1 anticipation; correct?

2 A. No, I did not.

3 Q. And the burden on anticipation was on Impax;
4 correct?

5 A. That's correct.

6 Q. And that burden was clear and convincing
7 evidence?

8 A. That's correct.

9 Q. Sir, with regard to obviousness, you agree the
10 success story of the product evidences the
11 nonobviousness of the claims?

12 A. If the product is embodied by the claims, yes.
13 When you have a patent that's about the product, yes,
14 then the success story of -- of the product is
15 relevant to the claims. But when you have a patent
16 which had really nothing to do with the product until
17 long after the NDA was filed and the product was
18 approved, no, then I don't think it's very relevant.

19 Q. So I heard a yes and a no. I'm not sure which
20 applies here.

21 With regard to obviousness, do you agree the
22 success story of the product evidences the
23 nonobviousness of the claims, yes or no?

24 A. It depends on whether there is a nexus, as
25 we've discussed and as Mr. Figg discussed.

1 Q. Now, the claims here -- some of the claims here
2 had to do with sustained release; correct?

3 A. They had to do with controlled-release
4 formulations that had a sustained-release ingredient.
5 Yes.

6 Q. And before Endo launch Opana ER, there was no
7 sustained-release form of oxymorphone; correct?

8 A. Not of oxymorphone, but the claims aren't
9 limited to oxymorphone. They're directed to all -- any
10 and all forms of therapeutic active ingredients.

11 They're very, very broad claims, so there
12 were -- so the oxymorphone story is not relevant to
13 those claims because they're not specifically about
14 oxymorphone. They're about sustained-release
15 formulations generally, and sustained-release
16 formulations generally have been known for quite a long
17 time.

18 Q. Sir, you would agree that Endo was successful
19 in introducing the first sustained-release form of
20 oxymorphone?

21 Yes or no?

22 A. In the United States, I believe so.

23 Q. And you're aware that in 2009 Opana ER had over
24 \$172 million in sales?

25 A. That sounds about right. Yeah.

1 Q. And you don't offer any ultimate conclusion as
2 to whether the claims in the patents were obvious or
3 unobvious; correct?

4 A. I don't offer that ultimate conclusion.

5 Q. And you don't offer an ultimate conclusion on
6 the issue of how the issue of invalidity by means of
7 written description would have come out; correct?

8 A. I don't offer any ultimate conclusions on
9 invalidity under written description.

10 Q. And in your report you only say that Endo may
11 have faced difficulty defending Impax' written
12 description claims; correct?

13 A. That's correct.

14 Q. And you recognize the issue is uncertain;
15 correct?

16 A. Yes.

17 Q. Now, Impax was not the only ANDA filer that
18 Endo sued on the '933 and '456 patents; correct?

19 A. That's correct.

20 Q. And despite your expert interpretation of the
21 case, none of those other ANDA filers chose to actually
22 challenge Endo's '456 and '933 patents through the
23 conclusion of trial; correct?

24 A. Endo settled with everybody I believe.

25 Q. So Sandoz settled; correct?

1 A. Endo settled with Sandoz. That, to me,
2 suggests that Endo wasn't confident that it could win
3 its case. That's why it settled.

4 So yes, they settled with everybody. They
5 caved all the way around. Because they got their
6 delay. They got what they wanted. That was my
7 interpretation.

8 Q. Was that your interpretation of the Barr
9 settlement, too?

10 A. Huh?

11 Q. Was that your interpretation -- you're aware
12 that Endo and Barr settled as well; correct?

13 A. The other generic companies didn't present a
14 threat to Endo because they couldn't launch until
15 after Impax launched, so once they'd settled with
16 Impax, the other litigation didn't matter.

17 There was no reason to continue to put their
18 patents at risk and jeopardize -- potentially have
19 somebody else get on the market, because if somebody
20 else had won and knocked out their patents, you know,
21 that would -- you know, they could have used that to
22 trigger the 180 days exclusivity and precipitate --
23 you know, put Impax in a position of a premature launch
24 or the hundred -- or launch by any of the parties
25 after -- after when Impax failed to launch.

1 So it was -- I don't -- once they settled with
2 Impax, all they had to do was try to protect their
3 patent from attacks by others, and they did that.

4 Q. And that's once they settled with Impax;
5 right?

6 A. Right.

7 Q. Do you know whether any of those ANDA filers
8 and Endo settled before Endo and Impax settled?

9 A. As I've testified previously, it was all about
10 Impax and when Impax launched. That -- that was the
11 driver because that controlled the entire generic
12 market. All the others were subsidiary to Impax'
13 exclusivity, so the settlements with them are not --
14 are not a big deal. And what I notice is that Endo
15 settled with them and if -- and, you know, apparently
16 in a -- in an effort to avoid putting its patents at
17 risk.

18 Q. Sir, you're aware that Endo and Actavis settled
19 more than a year before Endo and Impax settled; is that
20 right?

21 A. I don't know the details of the Endo-Actavis
22 settlement. I don't recall them. I remember there was
23 a settlement.

24 Q. But in your prior answer you talked about the
25 fact that once they settled with Impax, then the

1 settlements with the other ANDA filers weren't
2 particularly relevant; right?

3 A. Well, Actavis had -- did -- had been first to
4 file on those -- on the two smaller doses -- well, the
5 lower dosage, the two lower dosage forms, so Actavis
6 had, you know, a little something there.

7 But whether they settled before or after, it
8 didn't matter because the controlling -- the
9 controlling factor for the generics on those dosage
10 strengths that represented the bulk of the market was
11 when Endo launched because -- or when Endo's
12 exclusivity was triggered.

13 So the fact that they settled with the other
14 generic companies, as I've said, is not that surprising
15 because why would they want to have their patents put
16 at risk when the only patents they had the exclusivity
17 and that blocks everybody --

18 JUDGE CHAPPELL: You said "when Endo launched."
19 Did you mean when Impax launched?

20 THE WITNESS: When Impax launched. I
21 apologize.

22 MR. HASSI: I think he also meant Impax'
23 exclusivity.

24 BY MR. HASSI:

25 Q. But, sir, be that as it may, any one of these

1 ANDA filers, Sandoz, Actavis, Barr, Roxane or Watson,
2 could have taken that litigation against Endo to trial
3 and to a conclusion; correct?

4 A. They could have done, yes.

5 Q. And had they won and gotten the patents
6 invalidated, they'd have the opportunity to launch;
7 correct?

8 A. No. They would still be subject to Endo -- to
9 Impax' exclusivity. It would trigger the 180 days.
10 And then -- so Impax -- Impax would -- it would
11 precipitate -- it would have to precipitate a launch by
12 Impax.

13 I'd have to go back and look at the -- I'd
14 have to look at the -- I think the settlement and
15 license agreement deals with that scenario, but,
16 you know, whether Impax, you know, could -- could --
17 could launch earlier in that circumstance, but it
18 would start -- it would trigger the start of the
19 180 days --

20 Q. So if Sandoz --

21 A. -- once the final decision of noninfringement
22 or invalidity in favor of anybody, any Paragraph IV
23 challenger.

24 Q. So, sir, if Sandoz or Actavis or Barr or
25 Roxane or Watson, had they thought they had a strong

1 case against Endo, they could have pressed the issue
2 and gotten the opportunity to get into the market
3 sooner; correct?

4 A. They could have had the opportunity to get into
5 the market sooner, but --

6 Q. And --

7 A. -- with everybody else and not before Endo, not
8 sooner -- I mean -- excuse me -- Impax.

9 Q. And sir, each of those companies you would
10 expect would have been aware that Endo was considering
11 reformulation and that Endo had additional patents
12 coming down the pike; correct?

13 A. Yes.

14 Q. And so if they wanted the opportunity to
15 launch Opana ER, they would have been motivated, if
16 they had a strong case, to continue litigating against
17 Endo if they thought they could win; correct?

18 A. They would have -- it's -- it's not a great
19 result to clear the pathway for Impax, let Impax take
20 all the profits, and then you come in 180 days later
21 with five other generics, so the market opportunity
22 for them was not -- was not great.

23 So they didn't have the same motivation that
24 Impax had. They had maybe an opportunity to get a
25 small piece of the market, but it wasn't a great

1 opportunity.

2 Q. So it wasn't a great opportunity, but wouldn't
3 you agree that it's a better opportunity than never
4 getting to come to market, the way Sandoz never got to
5 come to market, Barr never got to come to market,
6 Roxane never got to come to market, Watson never got to
7 come to market? Wouldn't you agree that pressing the
8 litigation, if they thought had a chance of winning,
9 could have been a better opportunity?

10 A. No. Not necessarily. It depends what their
11 profitability would have been on the market.

12 If they got on the market and they weren't
13 making substantial profits that would justify the
14 litigation expenditures and the -- and the internal
15 trouble and expense and the cost of manufacturing, and
16 so forth, then no, it would not have been a better
17 opportunity.

18 Nobody wants to be the generic company that's
19 carrying the ball for everybody else. That was the
20 whole point of the 180-day exclusivity as a motivation,
21 because before that there weren't -- you know, that was
22 the whole problem. In areas where we don't have
23 Hatch-Waxman, that's what we see, nobody -- nobody
24 wants to be the linebacker that clears everything out
25 and makes a hole for everybody else to come in because

1 what's the point. If you don't have the exclusivity,
2 it's not -- it's not a very attractive opportunity.

3 Q. And sir, yes or no, you have not done an
4 analysis of Sandoz' case against Endo or Actavis' case
5 against Endo or Barr's case against Endo or Roxane's
6 case against Endo or Watson's case against Endo;
7 correct?

8 A. No, sir.

9 Q. Now, in your report, you opine that Mr. Figg's
10 opinions for the likely timing of the Impax-Endo
11 Hatch-Waxman litigation case is a worst-case scenario;
12 correct?

13 A. Yes, sir.

14 Q. And in your report, you don't offer any
15 opinion as to when the trial court was likely to
16 release its opinion in Impax-Endo Hatch-Waxman
17 litigation; correct?

18 A. Correct.

19 Q. And you didn't do any review of average times
20 required to resolve Hatch-Waxman cases; correct?

21 A. Correct.

22 Q. And you've only been involved in one
23 Hatch-Waxman case while in private practice; right?

24 A. Yes. I've been involved in -- that's not true
25 actually. I've only been involved as -- as -- as

1 counsel of record in one Hatch-Waxman case. I've -- as
2 I testified, I've been involved in quite a number of
3 other cases as opinion counsel, as an expert or
4 otherwise or supporting mediations or -- or -- or
5 dispute resolutions.

6 Q. Sir, you didn't evaluate how quickly
7 Judge Hayden renders opinions; correct?

8 A. I mean, I think Judge Hayden is a she, and no,
9 I didn't.

10 Q. I agree that Judge Hayden is a she.
11 I didn't say anything that she was a he, did
12 I?

13 A. No. You said "his opinions." I'm sorry.

14 Q. I didn't, but that's all right.

15 Sir, you agree there's a zone of uncertainty
16 around the timing for trial court's opinions?

17 A. Yes. I mean, I've had cases where they -- they
18 issued the opinion literally from the bench at the end
19 of trial, and I've had cases where they took their own
20 sweet time. It does vary considerably.

21 Q. And in your report you don't offer any
22 alternate date to the date offered by Mr. Figg as to
23 when the parties might expect a decision from the
24 Federal Circuit; correct?

25 A. I -- I don't have any dispute that Mr. Figg --

1 that the times that Mr. Figg puts out for each of those
2 individual steps are, you know, fair, reasonable,
3 conservative average estimates.

4 My dispute with Mr. Figg is whether each of
5 those steps would have been required and whether each
6 of those steps would have actually been -- been viewed
7 by -- necessarily viewed by Impax as a block to launch,
8 so if that helps you.

9 Q. Well, let's talk about which of those steps
10 would or would not have been required.

11 You agree that a decision from the trial court
12 would be required; correct?

13 A. Yes.

14 Q. And if Impax did not wish to launch at risk
15 following that decision, an appeal to the
16 Federal Circuit would also be required; correct?

17 A. Well, even if they did launch at risk, then
18 there would still be an appeal to the Federal Circuit.
19 It wouldn't affect their launch timing, though, but
20 yes, there still would have been an appeal to the
21 Federal Circuit.

22 Q. And you don't disagree -- you do not disagree
23 with Mr. Figg's estimates as to the time it would take
24 to get a district court opinion; correct?

25 A. I think in this case, as demonstrated by the

1 letter which was referenced in my report, you know,
2 where they were promising not to launch before the end
3 of trial, I think the court was very well aware that an
4 imminent launch was at least a possibility, hence the
5 letter.

6 So I think the district court would have
7 understood that there was some urgency by the parties,
8 particularly if the decision was to allow the parties
9 to go forward.

10 So I think that it would depend on the
11 circumstances. It would depend on the judge. It
12 would depend on the judge's caseload. But I don't
13 think that looking at averages is necessarily all that
14 relevant.

15 Q. Sir, none of that opinion about urgency or lack
16 of urgency appears in your report; correct?

17 A. Urgency or lack of urgency? I'm not sure. I
18 don't think -- I'm not sure if it does.

19 I testified regarding the necessity for each of
20 these steps and regarding the timing. I testified I
21 disagreed with Mr. Figg. I'm elaborating on the basis
22 for my opinions in response to your questions. I'm --
23 but I'm not offering -- my opinion remains what it says
24 in my report. I don't agree with Mr. Figg about the
25 timing.

1 Q. I'm sorry. You do or don't agree with Mr. Figg
2 about the timing?

3 A. I don't agree with Mr. Figg about the timing
4 that there would be basically a holdup to the launch
5 till mid -- potentially mid-2013, because I don't
6 think all of the steps required by Mr. Figg are
7 necessarily accurate.

8 I think, as I've said, with regard to the
9 specifics of the length of time for a federal appeals
10 decision and the length of time for a remand, you know,
11 those -- I don't dispute that those could take some
12 time and the time estimates in Mr. Figg's report are
13 reasonable averages, but I dispute that they would all
14 be necessary or that they would necessarily be relevant
15 to Impax' launch date.

16 Q. And sir, again, my question was just a
17 yes-or-no question, do you agree with Mr. Figg, yes or
18 no.

19 If I ask you a yes-or-no question, can you try
20 to answer it yes or no?

21 A. Well, you asked me if I agree with Mr. Figg.
22 My answer was no, I agree with him in some respects but
23 not in other respects, so sorry if that's not a yes or
24 no.

25 Q. Sir, you testified that Mr. Figg said it would

1 be -- that there would necessarily be a remand. Do you
2 recall that testimony?

3 A. Excuse me? There would necessarily be what?

4 Q. A remand. From the Federal Circuit.

5 That's the basis for your objection; correct?

6 A. Yes. Mr. Figg said he felt that would be
7 nearly a certainty I think when he testified on
8 Monday.

9 Q. So you're aware that his report says there
10 would potentially be a remand; right?

11 A. A remand was a possibility if they lost and if
12 there were additional findings of fact required, but
13 nobody could possibly know that without the district
14 court decision and the Federal Circuit decision.
15 Remands happen, so yes, they're in the realm of
16 possibility.

17 Q. But to be clear, your only objection with
18 Mr. Figg with regard to the timing of an appeal in this
19 case relates to that step of a remand; correct?

20 A. Yeah. I think that's the major -- that's the
21 major dispute. I think that he was maybe -- I
22 don't -- as I testified previously, I don't know that
23 the length of time for the district court's decision
24 would have been quite as protracted as he presented
25 it, but my major dispute with him is that I don't

1 think a remand would have been necessary, and I don't
2 think that the district court appeal time would have
3 necessarily affected Impax' launch date. That's the
4 major point of contention here, is the impact on the
5 launch date.

6 Q. Sir, do you agree with his estimate, his
7 conservative estimate of one year from docketing to
8 decision in the Federal Circuit?

9 A. That sounds about right.

10 Q. Indeed, it can often take longer; correct?

11 A. It can.

12 Q. For example, you're counsel of record in a case
13 before the Federal Circuit right now called
14 Actelion Pharmaceuticals v. Lee, et al.; is that
15 right?

16 A. Yes, I am.

17 Q. And did you take your experience in the
18 Actelion matter into account in forming your opinions
19 in this case?

20 A. I don't recall exactly that I did.

21 Q. That appeal was docketed on November 15, 2016;
22 correct?

23 A. That's correct.

24 Q. And oral arguments are not scheduled until
25 December; correct?

1 A. That's correct.

2 Q. That means oral argument would be some
3 13 months after the appeal was docketed; correct?

4 A. That's correct.

5 Q. And Mr. Figg's conservative estimate was
6 therefore two months shorter than the appeal you're
7 currently handling for --

8 A. No. In that case, the opposing counsel
9 requested an extension. The oral arguments had
10 originally been docketed earlier, and then the other
11 side requested extension and we did not oppose it.

12 You know, whether -- whether Impax would have
13 been -- if Impax felt that the appeal was blocking
14 its -- its -- blocking its launch, then Impax might
15 have tried to expedite matters and not simply agreed to
16 extension, so it can be variable depending on how the
17 parties -- the urgency of the case.

18 In that case, getting a decision from the
19 Federal Circuit one or two months later doesn't really
20 matter.

21 Q. But, sir, you'd agree the Federal Circuit
22 typically does not issue decisions the same day as
23 they're argued?

24 A. No, they don't.

25 Q. It typically takes months to get a decision?

1 A. It can do, yes.

2 Q. Well, let's look at another example of timing.

3 You're aware of the second wave of litigation
4 that Endo brought against the ANDA filers in the
5 Southern District of New York?

6 A. Yes.

7 Q. Relating to Opana ER?

8 A. Yes.

9 Q. And you're aware that Judge Griesa tried that
10 case in April of 2015?

11 A. Yes.

12 MS. PEAY: Objection. Your Honor, objection.
13 This is outside the scope of direct.

14 JUDGE CHAPPELL: Response?

15 MR. HASSI: Your Honor, this is
16 cross-examination of the witness with regard to his
17 opinions on timing of an appeal in this case.

18 JUDGE CHAPPELL: Impeachment?

19 MR. HASSI: It is impeachment, yes.

20 JUDGE CHAPPELL: Overruled.

21 MS. PEAY: Thank you, Your Honor.

22 BY MR. HASSI:

23 Q. You are aware that Judge Griesa's trial opinion
24 in that case didn't come out until a year later in
25 April 2016; correct?

1 A. I don't recall the exact timing, but I'm -- I
2 have no reason to dispute that sitting here today.

3 Q. So that's seven to eight months longer than
4 Mr. Figg's four to five-month estimate that he used in
5 his report; correct?

6 A. Yes.

7 And as I said in response to the previous
8 question, I felt that if the judge was going to rule
9 in Impax' favor, she might well have ruled more
10 expeditiously because that would affect potentially
11 the launch timing. If she was not going to rule in
12 Impax' favor, then Impax isn't getting to the market
13 and the timing is -- the timing is less urgent. And I
14 do think judges, you know, do take those things into
15 account.

16 Q. And what is your basis for your view that
17 judges take into account the benefits to certain of the
18 litigants in deciding how to time the release of their
19 opinions?

20 A. People can file motions to expedite
21 proceedings, and I think judges do take into account
22 the public interest involved in whether a generic gets
23 to the market or not. That would be -- if you have a
24 de facto injunction situation pending, you know, that's
25 something the judge can and should -- should take into

1 account.

2 Q. But you don't know whether -- you can't cite
3 to a specific example of a judge taking that into
4 account, can you?

5 A. Taking public interest into account? In
6 determining whether to issue an injunction?

7 I think in general injunction -- proceedings
8 involving injunctions, if it was -- if we were talking
9 about an injunction situation where Endo is requesting
10 an injunction at the end of trial or not, they are
11 typically handled on an expedited basis --

12 Q. So that's all --

13 A. -- expedited schedule.

14 Q. That would be true of all Hatch-Waxman
15 litigation; right, all several hundred cases filed a
16 year?

17 A. Well, it -- it -- I think there's some --
18 you know, I think judges do take into account,
19 you know, market realities to some extent of -- and the
20 public interest and whether there's an urgency to get a
21 case resolved quickly or whether there's not. I
22 think -- I think they are concerned about that, in my
23 experience.

24 Q. Now, the case before Judge Griesa, in which he
25 took a year to issue his opinion, was an injunction

1 case; correct?

2 A. I don't know the specific market urgency for
3 getting -- you know, for getting -- for getting on --
4 getting -- getting -- going forward with that. I don't
5 recall the -- can you remind me of the exact timing of
6 that case?

7 Q. The timing?

8 A. Yeah.

9 Q. The trial took place in April of 2015.

10 A. Uh-huh.

11 Q. The opinion was filed in April 2016.

12 And are you aware that it was docketed in
13 August of 2016?

14 A. I -- I don't have those -- those dates,
15 you know, right -- right at the tip of my -- right at
16 the front of my brain. But yeah, I mean, as I said,
17 judges can take longer, they can -- but they can also
18 take much shorter times.

19 And as I said, I have also been involved in
20 cases where judges have ruled from the bench, you know,
21 and issued very eloquent opinions just sitting right
22 there after taking a 15-minute recess.

23 So it depends a lot on the case and it depends
24 a lot on the judge, and I don't know that you can
25 extrapolate from a case involving different patents,

1 different parties and a different judge in a different
2 court to draw conclusions about what would have
3 happened or could have happened in this case.

4 Q. But you've got no personal experience before
5 Judge Hayden that would allow you to offer an opinion
6 in this case about how quickly or for that matter how
7 eloquently her decision would have been rendered?

8 A. Excuse me?

9 I have no personal experience before
10 Judge Hayden following a Hatch-Waxman trial, no.

11 Q. Now, the appeal of Judge Griesa's decision is
12 scheduled to be heard on oral argument in front of the
13 Federal Circuit in December.

14 Are you aware of that?

15 A. I believe I heard that. Yes.

16 Q. So from the end of the April 2015 trial to the
17 December 2017 oral argument -- and that's not decision;
18 that's just oral argument -- that's 32 months;
19 correct?

20 A. There were special factors in that case. If
21 you recall, there were -- there were multiple patents.
22 I think there was a delay while another proceeding was
23 decided, and the case has been -- was consolidated. I
24 think the first appellant -- I don't remember the
25 exact details, but the first appellant went out, and

1 then there was a stay while waiting for resolution of
2 the cases with the other appellants for the
3 consolidated appeal.

4 I don't remember all the details right now,
5 but there were some somewhat unusual circumstances in
6 that case which were not present in the Impax case.

7 Q. Well, one --

8 (Counsel and witness speaking at the same time
9 and cautioned by court reporter.)

10 BY MR. HASSI:

11 Q. Sir, if you apply that same 32-month timeline
12 from Judge Griesa's trial to the oral argument to the
13 time when Judge Hayden would have finished the trial of
14 the Impax-Endo case, 32 months would take us into the
15 spring of 2013 before that case would be argued before
16 the Federal Circuit if the same timeline applied;
17 correct?

18 A. If -- if those times applied, yes, that would
19 be the case. The case would become moot in September
20 of 20-- in the -- in the Impax case that we're
21 talking about here, not this other case, but in the
22 Impax case under the '456 and '933 patents, that case
23 would be moot and everything would be done in
24 September of -- of 2013 because the patents would be
25 expired. There were no outstanding damages issues or

1 any other issues. The case would be over then.

2 So at the latest, it wouldn't extend beyond
3 September of --

4 Q. Sir, I was simply asking you to do the math.

5 Thirty-two months from June 2010 would take us
6 into spring of 2013; correct?

7 A. That is correct, yes.

8 Q. And in the real world, by spring of 2013,
9 Impax was selling oxymorphone ER pursuant to a
10 license; correct?

11 A. Yes.

12 Q. And so if the timing that applied to the
13 second wave of Endo's patent litigations applied to
14 that first wave appeal, Impax would not only not be
15 selling, it would still be waiting for an appellate
16 court decision; correct?

17 A. Well, yes, if. As my grandfather used to say,
18 if pigs had wings, they could fly.

19 Q. Have you reviewed the third wave of litigation
20 in Delaware related to Endo's patents?

21 A. I've reviewed it generally. I don't know if
22 I'm conversant with all the specifics.

23 Q. Are you aware in that case Judge Andrews
24 conducted a bench trial in February 2017?

25 A. I have no reason to doubt that.

1 Q. And Judge Andrews' final judgment was entered
2 on September 15, 2017; correct?

3 A. I don't know if I've read Judge Andrews' final
4 September judgment.

5 Q. Would you like to see a copy?

6 A. Is that the one where -- which is referenced in
7 Mr. Figg's report?

8 Q. It is referenced in Mr. Figg -- well, strike
9 that. I'm not sure it is referenced in Mr. Figg's
10 report. The final judgment came after -- the
11 litigation is referenced in his report.

12 A. Okay.

13 Q. But in any event, you're aware that from the
14 time of the close of trial till the resolution of that
15 case at the district court level was seven months in
16 that case?

17 A. If you say so.

18 Q. That's two months longer than Mr. Figg's
19 conservative estimate here; correct?

20 A. That's two months longer, yes.

21 Q. Now, with respect to a remand, you would agree
22 that remand by the Federal Circuit is appropriate when
23 there's a need for further findings of fact; correct?

24 A. Yes.

25 Q. And you'd agree that the claim construction

1 ruling can change how the parties present their case;
2 correct?

3 A. It certainly can, yes.

4 Q. And so arguments aimed at a claim construction
5 that had been rejected by the trial court might be
6 excluded as irrelevant to the trial; correct?

7 A. That could happen.

8 Q. Sir, I touched on a moment ago the second wave
9 of litigation.

10 You're aware that between December 2012 and
11 May 2013 Endo sued eight generic drug manufacturers for
12 patent infringement related to oxymorphone ER?

13 A. I haven't counted them up, but I'll take your
14 word for it.

15 Q. Endo didn't sue Impax with regard to its
16 original formulation of oxymorphone ER; correct?

17 A. No, that's not correct.

18 Q. In the litigation that I'm speaking of in the
19 Southern District of New York, did Endo sue Impax with
20 regard to its original formulation of oxymorphone ER?

21 A. They didn't -- they did ultimately sue Impax
22 with regard to the original formulation of
23 oxymorphone ER.

24 Q. Sir, we'll get --

25 A. Not in that particular litigation.

1 Q. Okay. We'll --

2 A. Not in the litigation you're referring to I
3 guess.

4 Q. Great. We'll get to that litigation in just a
5 minute.

6 But in the litigation that was filed between
7 December 2012 and May 2013 by Endo in the
8 Southern District of New York, you agree that Endo did
9 not sue Impax with regard to original oxymorphone ER;
10 correct?

11 A. In that litigation, no.

12 Q. And that's because Endo had granted Impax a
13 license to patents which you spoke about earlier in
14 your direct testimony; correct?

15 A. Well, Impax hadn't even -- hadn't even
16 launched in September of -- what -- what did you say,
17 2012?

18 Q. December 2012 to May 2013.

19 A. Right.

20 So Impax didn't even launch until
21 January 2013. And then Impax -- the provisions of
22 4.1(d) didn't kick in until the end of the period of
23 exclusivity.

24 Q. So is it your testimony that the reason Endo
25 didn't sue Impax was because they hadn't launched yet?

1 A. Well, I'm saying they couldn't have sued
2 them -- I'm saying they weren't -- they -- they had
3 sued them, and then they had settled the suit, and they
4 got some sort of a license. And the license was
5 ambiguous, and so they didn't -- they dropped the --
6 they had been suing them. They dropped the suit. And
7 then at some point in time later they sued them again,
8 including under those patents.

9 So that was -- I mean, those are the facts.

10 Q. Sir, when Endo sued eight different ANDA filers
11 in the Southern District of New York over the '122 and
12 '216 patents, they did not sue Impax on original
13 oxymorphone ER; correct?

14 A. They didn't sue them at that time.

15 Q. And of those eight ANDA filers, only one,
16 Actavis, had launched; correct?

17 A. I believe that's right.

18 Q. So they sued seven other ANDA filers, although
19 those ANDA filers had not launched oxymorphone ER;
20 correct?

21 A. Yeah.

22 Q. And they did not sue Impax with respect to
23 original oxymorphone ER; correct?

24 A. They had sued them earlier, then they had
25 settled that litigation, and then they reasserted those

1 patents, so they sued them twice under those patents,
2 so I don't agree when you say they didn't sue them
3 under those patents. They sued them actually in two
4 different litigations under those patents. That's why
5 I'm having trouble with your question.

6 And I think we all agree that they weren't sued
7 in that particular litigation, but they'd been sued
8 earlier and they'd been sued later.

9 So when you say they weren't sued, it's very
10 confusing.

11 Q. Well, sir, prior to the contract's royalty
12 dispute in 2016, would you agree with me that Endo
13 never sued Impax pursuant to the '122 and '216 patents?

14 A. Pursuant to those patents.

15 Q. So when you said they sued them earlier, you're
16 referring to, what, the '933 and '456 patents that
17 we've been talking about?

18 A. Yes.

19 Q. Okay. You understand they sued a number of
20 ANDA filers, including Sandoz and Actavis and Barr and
21 Watson and Roxane, on those patents?

22 A. Yes.

23 Q. And then they sued those same ANDA filers in a
24 second round of litigation in New York, not with
25 respect to the '933 and '456 patents, but with respect

1 to the '122 and the '216 patents; correct, sir?

2 A. I believe so, yes.

3 Q. And they did not sue Impax at that point in
4 time on the '122 and '216 patents; correct, sir?

5 A. Not initially they didn't sue them.

6 Q. And the reason that they did not sue Impax at a
7 time when they sued all the other ANDA filers was
8 because Impax got a settlement and license that covered
9 the '122 and '216 patents in the June 2010 settlement
10 with Endo; correct, sir?

11 A. No.

12 They had thought they had a license, but it
13 turned out it was ambiguous, and so there was a
14 dispute. There was an ambiguity. It wasn't clear-cut
15 one way or the other. And that's why there was
16 litigation, and that's why they ultimately wound up
17 getting sued under those patents, those very same
18 patents, despite having that agreement.

19 Q. Sir, is it your testimony that Endo chose not
20 to sue Impax in 2012 or 2013 on the '122 and
21 '216 patents because they knew they were going to have
22 a dispute in 2015 and 2016 over whether Impax would
23 pay a royalty on those patents? Is that your
24 testimony?

25 A. They -- they -- they had -- Impax had some

1 sort of a license. The terms and the scope of that
2 license were not clear, so they didn't get sued
3 initially, but they did get sued later. And there
4 was -- there was fighting and there was demands for
5 85 percent gross profits royalties and all of that, so
6 it -- I think it's not -- it's not -- there's not a
7 clear-cut yes-or-no answer to your question as to why
8 Endo did what it did when it did it.

9 JUDGE CHAPPELL: This has gone on far too
10 long. Any expert's opinion on the reason why Endo
11 sued or didn't sue, it's not dispositive. Move on.

12 MR. HASSI: Yes, Your Honor.

13 JUDGE CHAPPELL: I don't care if it's in
14 somebody's report or not. I don't care about some
15 expert's speculation on any reason why or why not
16 somebody sued somebody else. I can make that
17 determination myself.

18 MR. HASSI: Understood, Your Honor.

19 JUDGE CHAPPELL: If need be done, which I'm not
20 agreeing to that either at this point.

21 MR. HASSI: Thank you, Your Honor.

22 BY MR. HASSI:

23 Q. Now, sir, you're aware that Judge Griesa
24 eventually enjoined the other ANDA filers from
25 launching generic oxymorphone ER until the '216 and

1 '122 patents expire in 2023?

2 A. That's my understanding.

3 Q. And you're aware that Judge Griesa's order did
4 not affect Impax' ability to sell its generic
5 oxymorphone ER product; correct?

6 A. I don't believe Impax was a party to that
7 litigation.

8 So that's correct.

9 Q. And during that second wave of litigation,
10 you're aware that Actavis actually launched
11 oxymorphone ER at risk?

12 A. Yes.

13 Q. And the fact that Impax was already on the
14 market lessened Actavis' risk for that launch;
15 correct?

16 A. The fact that Impax was on the market, yes,
17 that reduced -- that reduced Actavis' risk, yes.

18 Q. And Actavis was ultimately removed from the
19 market by Judge Griesa's order; correct?

20 A. Ultimately, that's correct.

21 Q. And after Judge Griesa's injunction took
22 effect, Impax was the only generic firm selling
23 oxymorphone ER; correct?

24 A. The only generic firm?

25 Yes, I -- I believe that's correct. Selling

1 that formulation, yes.

2 Q. And you're aware, sir, that Judge Andrews of
3 the District Court of Delaware upheld the '779 patent
4 covering oxymorphone ER; correct?

5 A. Yes.

6 Q. And Judge Andrews enjoined all unlicensed
7 generic drug manufacturers from selling oxymorphone ER
8 until the '779 patent expires in 2029; correct, sir?

9 A. That's correct. But that was not a patent
10 owned by Endo at the time of the settlement and license
11 agreement. That's a patent that could have been
12 acquired by Impax or Endo or some third party, so the
13 relevance of that to my report and to the settlement
14 and license agreement, we're really getting very far
15 from what I -- from what's in my report.

16 Q. Sir, I didn't ask you whether Endo owned the
17 patent or was simply enforcing it pursuant to a
18 license, did I?

19 A. Endo had no rights in the patent, none at all,
20 not speculative, not partial, not in contemplation, at
21 the time of the settlement and license agreement in
22 June of 2010, and Impax could just as well have bought
23 that patent as Endo if there hadn't been a settlement
24 and license agreement, and then they would have blocked
25 Endo, so --

1 Q. Sir, again --

2 A. -- the relevance of that to the settlement and
3 license agreement of 2010, I don't see it. They had no
4 ability to offer that license.

5 Q. Not my question, sir.

6 Sir, Judge Andrews --

7 JUDGE CHAPPELL: Hang on a second.

8 I'm going to instruct you -- and I don't want
9 to have to do it again -- you answer the question
10 that's pending, not the question you hoped would be
11 pending. Do you understand me, sir?

12 THE WITNESS: Yes, sir.

13 JUDGE CHAPPELL: Go ahead.

14 BY MR. HASSI:

15 Q. Sir, yes or no, Judge Andrews enjoined all
16 unlicensed generic drug manufacturers from selling
17 oxymorphone ER until the '779 patent expires in 2029?

18 A. I believe that's true.

19 Q. And Impax' sale of original generic
20 oxymorphone ER was not affected by Judge Andrews's
21 injunction; correct?

22 A. That's correct.

23 Q. Sir, you agree that the objective of
24 negotiating a patent license agreement is to obtain
25 freedom to operate?

1 A. That was -- that was the objective I believe,
2 yes.

3 Q. And you testified earlier you reviewed the
4 settlement and license agreement between Impax and
5 Endo; correct?

6 A. Yes, I did.

7 Q. And the section 4.1(a) is the license?

8 A. Yes, it is.

9 Q. And 4.1(a) by itself is unambiguous as a
10 license; correct?

11 A. All by itself, yes. I think so.

12 Q. And 4.1(b) is a covenant not to sue; correct?

13 A. That's correct.

14 Q. And you believe that both that license
15 provision and covenant not to sue provision are fairly
16 standard; correct?

17 A. Yes.

18 Q. You don't believe there's any ambiguity in the
19 terms of section 4.1(a) or 4.1(b) of the settlement and
20 license agreement; correct?

21 A. Taken all by themselves, no, I don't think -- I
22 don't think they're ambiguous.

23 Q. The problem was a separate royalty term in
24 4.1(d)?

25 A. I'm sorry. There's no mention of -- the word

1 "royalty" doesn't appear in 4.1(d).

2 Q. The ambiguity comes in section 4.1(d);
3 correct?

4 A. 4.1(d) creates an ambiguity. Yes.

5 Q. And you agree that the language of 4.1(a) is
6 broad and licenses Endo -- excuse me -- licenses Impax
7 to Endo's future patents; correct?

8 A. Yes, that's correct.

9 Q. And Endo granted Impax a license and covenant
10 not to sue for infringement of the patents listed in
11 the Orange Book at the time, as well as any
12 continuations, continuations in part, or divisions of
13 those patents or patent applications owned or
14 controlled by Endo that could cover the product
15 described in Impax' ANDA; correct?

16 A. That's correct.

17 Q. And Endo has never contested that it gave Impax
18 that license in June of 2010; correct?

19 A. Endo has never contested the existence of the
20 agreement, but they did contest whether they had a
21 license in accordance with that -- in accordance with
22 that paragraph, which is a royalty-free license.

23 Q. Sir, at your deposition, you stated that you
24 believe all of the generic drug manufacturers, all of
25 the ANDA filers, effectively had the same license as

1 far as the license term goes; correct?

2 A. I don't -- I'd have to look exactly what I
3 said, but they all had licenses. The licenses I
4 believe I testified were not -- you know, were not
5 word-for-word identical. And Actavis certainly thought
6 that it had licenses under the future patents. I think
7 that's what I testified.

8 Q. Actavis thought it had what it called an
9 implied license; correct?

10 A. That was the argument that they made and that
11 the district court accepted.

12 Q. And the Federal Circuit shot that argument
13 down, didn't it?

14 A. Yes, they did.

15 Q. And as to the other ANDA filers, you would
16 agree that none of them got the broad patent license
17 that Impax got; correct?

18 A. Their licenses were not exactly the same as
19 Impax' license, no.

20 Q. You would agree that the license Impax got was
21 unique among the ANDA filers to Endo's Opana ER;
22 correct?

23 A. Well, that depends on whether you believe that
24 Impax actually had an unambiguous license under the
25 future patents, because although they did have a

1 license in 4.1(a) under the future patents, that was
2 subject to the condition in 4.1(d) which said that
3 the -- any term relating to those future patents could
4 be renegotiated.

5 And there was disagreement among the parties
6 about what the impact of that negotiation provision in
7 4.1(d) actually meant, but the way Endo interpreted it,
8 they did not effectively have a license. And since
9 they didn't have freedom to operate, they had keys to
10 the door for the earlier patents but not for the later
11 one, unless they wanted to pay an 85 percent royalty on
12 gross profits, which is kind of like not having a
13 license at all.

14 Q. Sir, it is a fact that Endo did not sue Impax
15 on generic oxymorphone ER in the second wave of
16 litigation in the Southern District of New York;
17 correct?

18 A. Not in that litigation, no.

19 Q. And Endo did not sue Impax on generic
20 oxymorphone ER in the third wave of litigation that it
21 brought in the District of Delaware; correct?

22 A. That's correct.

23 Q. And you didn't actually read the other
24 settlements and license agreements with the other ANDA
25 filers; correct?

1 A. I don't believe I did. I read the Actavis --
2 I -- I think I have the Actavis one. I don't know that
3 I had all the others.

4 I don't believe that they had licenses to the
5 future patents, if that's your question. But the
6 question was, I'm not sure that Impax had an
7 unambiguous license either.

8 Q. Sir, I didn't ask you whether Impax had an
9 unambiguous license.

10 A. Okay.

11 Q. You're aware that Endo has specifically said
12 that the other generic companies did not obtain the
13 same licensing terms as Impax; correct?

14 A. Correct. Impax had different licensing terms
15 from anybody else. That's true.

16 Q. And therefore, as Mr. Figg opined, Impax'
17 license was unique among the ANDA filers; correct?

18 A. It was unique among the ANDA filers in many
19 respects but not in respect of whether -- of getting a
20 licensed freedom to operate for the product.

21 They all had the license under the existing
22 Orange Book listed patents. Endo -- Impax also had a
23 license under the future patents, but that was -- that
24 was ambiguous for the reasons that I've previously
25 stated, so it wasn't clear-cut. That's why there was

1 litigation. That's why they got sued.

2 Q. Let's talk about that lawsuit.

3 That's your reference to a 2016 litigation
4 between Impax and Endo over the 2010 settlement; is
5 that right?

6 A. Yes.

7 Q. And at that point in time Impax had been
8 selling oxymorphone for almost three years before Endo
9 brought the lawsuit?

10 A. I believe that's right.

11 Q. And what triggered the lawsuit was not any
12 ambiguity over the license and covenant not to sue,
13 what triggered the lawsuit was Endo's view as to
14 whether Impax was negotiating in good faith over any
15 royalty to be paid to Endo pursuant to that
16 section 4.1(d); correct?

17 A. No.

18 Q. What part of my statement was incorrect, sir?

19 A. Well, if you read the correspondence between
20 Meg Snowden and the Endo representative regarding
21 4.1(a), Meg Snowden thought that 4.1(a) was a clear,
22 unambiguous license that was not affected by 4.1(d).
23 Endo disagreed with that.

24 So there was an ambiguity as to whether
25 4.1(a) was or was not affected by 4.1(d) or subject to

1 4.1(d), so that was the ambiguity. Because if it was,
2 then -- then -- then no -- then that would actually
3 change the terms of that provision 4.1(a) and make them
4 no longer an absolute license but subject to
5 negotiation in any respect, including royalties but
6 also including, you know, temporal restrictions, and so
7 on.

8 Q. Sir, you'd agree that the very first
9 communication that was the subject that brought up
10 this dispute between Impax and Endo, Endo stated that
11 the parties need to negotiate a license fee for
12 licensed patents that issued following the execution of
13 the settlement; correct?

14 A. There was such a communication. I don't know
15 if it was the first communication. I don't know how
16 early the parties started talking exactly.

17 Q. But it referred to a fee for licensed patents;
18 correct, sir?

19 A. That's what Endo wanted. Yes.

20 Q. And so what Endo sued Impax for was for
21 breaching the settlement and license agreement for
22 failing to negotiate with Endo in good faith and
23 compensating Endo with respect to those patents;
24 correct?

25 A. Yes. And they sued them for patent

1 infringement.

2 Q. And you're aware that those infringement claims
3 were stayed pending the disposition on the contract
4 claims; correct?

5 A. I believe that's right. I don't have a
6 specific recollection.

7 Q. And that's because, if Impax won on the
8 contract claims, there was no basis for infringement
9 claims; correct, sir?

10 A. That's correct.

11 Q. And Endo did not seek an injunction in that
12 case to prevent Impax from selling oxymorphone ER;
13 correct?

14 A. They didn't file a motion for injunction. The
15 complaint seeks equitable relief. But as Impax had
16 been on the market, as you say, for three-plus years,
17 it would have been difficult I think to get a
18 preliminary injunction.

19 Q. Indeed, you agree this would really be a case
20 about money damages; right?

21 A. There could have been an injunction at the end
22 of the case. But yes, there would have been certainly
23 a money damages element. It would have been difficult
24 to get a preliminary injunction since it had been on
25 the market for such a long time without being sued.

1 That's true.

2 Q. Sir, you'd agree that in its complaint, Endo
3 concedes that it gave Impax a license to any patents
4 issuing from the pending patent applications and the
5 other patents Endo might acquire; correct?

6 A. I believe so. Yeah.

7 I think the other patents was a little more
8 ambiguous in 4.1(a), but that's -- that's ultimately
9 what Impax got.

10 Q. Can we bring up CX 3437, the amended complaint,
11 please.

12 And let's go -- sir, do you recognize this as
13 the amended complaint brought by Endo against Impax in
14 the case we've been talking about?

15 A. Yes.

16 Q. Let's look at paragraph 49 if we could.

17 A. Okay.

18 JUDGE CHAPPELL: Has your time estimate
19 changed?

20 MR. HASSI: I'm close to wrapping up,
21 Your Honor.

22 BY MR. HASSI:

23 Q. Do you see that in paragraph 49 Endo concedes
24 that as part of the New York litigation, Endo would
25 have sued Impax for infringing the '122 and

1 '216 patents with respect to the Impax generic non-CRF
2 oxymorphone ER tablets, as it had sued all of those
3 other generics, but for the fact that unlike Endo's
4 settlements of the New Jersey litigations with those
5 generics, Endo's settlement with Impax included the
6 above-described compromise pursuant to which Impax'
7 license included rights to future patents?

8 Do you see that, sir?

9 A. Yes, I see that.

10 Q. And you agree that Endo conceded that the
11 reason it did not sue Impax in the second wave of
12 litigation in the Southern District of New York was
13 because they had granted a license in the
14 2010 settlement and license agreement; correct, sir?

15 A. That's what Endo says here.

16 Q. Could you bring up paragraph 31.

17 Sir, do you see here that Endo alleged in this
18 litigation -- and you're familiar with pleadings in
19 federal court pursuant to rule 11; right, sir?

20 A. Yes.

21 Q. And do you see that Endo conceded that if Impax
22 had prevailed in the New Jersey patent litigation,
23 Impax would not have obtained the rights under any
24 additional future patents that Endo might obtain, such
25 that Endo would have been free to sue Impax for

1 infringing those patents and to seek an injunction
2 barring Impax from selling its proposed generic
3 tablets?

4 Do you see that?

5 A. That's correct.

6 Q. And you agree that had Impax continued the
7 litigation, continued the litigation in New Jersey,
8 the 2010 litigation, it never could have gotten as a
9 remedy in that litigation the broad patent license it
10 got in the settlement and license agreement; correct?

11 A. Correct. That's why I said they needed to get
12 on early before those patents issued.

13 Q. And so it goes on to say, "From Impax'
14 perspective, a favorable judgment in the pending
15 New Jersey litigation might well have become a Pyrrhic
16 victory if Endo were successful in obtaining additional
17 patents in the future."

18 You agree with that; right, sir?

19 A. No.

20 Q. You don't agree that continuing to litigate in
21 New Jersey could have become a Pyrrhic victory if Endo
22 got additional patents?

23 A. Well, if we're assuming in this world that
24 they had continued the litigation and they hadn't
25 settled and they had launched early, they could have

1 gone on, they could have made, you know, tens or many
2 hundreds of millions of dollars before they were
3 forced off the market by the patents that issued in
4 late 2012, so they had a two-year window to sell
5 product, 180 days of which would have been -- they
6 would have been the only -- only generic on the market,
7 so I would not call that a Pyrrhic victory. I'd call
8 that a substantial victory.

9 Q. That would require winning the litigation;
10 right?

11 A. It would have required -- yes.

12 Q. And as to your estimate of hundreds of
13 millions of dollars, you've never seen a single Impax
14 document that suggested it could make hundreds of
15 millions of dollars selling Opana ER as a generic,
16 have you, sir?

17 A. Well, I was relying on what you -- you
18 projected earlier about the -- about the Endo sales
19 and what you were saying about the -- Impax'
20 potential -- you know, potential ability to take over
21 those sales. But I don't have any specific estimates
22 on that.

23 There are sales forecasts referenced in my
24 report. And there are -- it's substantial amounts of
25 money, but they don't go out for a full two-year

1 period. It would depend on when they launched.

2 Q. You were relying on my estimate of the damages
3 Impax could owe to Endo for what the profits Impax
4 could have earned; is that what you're saying, sir?

5 A. Well, if you're saying it's, what, \$138 million
6 a year and you're saying they're taking most of that
7 market or all of that market, and they're doing it for
8 possibly as long as eight -- as two and a half years,
9 that is hundreds of millions, plural, even if they
10 didn't sell at quite at Impax -- at quite at Endo's
11 level.

12 So maybe it -- maybe it would only be,
13 you know, tens of millions. It would be a large number
14 potentially, more than Pyrrhic, is all I'm trying to
15 convey.

16 Q. Robert, could you go down one more paragraph in
17 the complaint, please, paragraph 32.

18 Sir, you understand, based on this complaint,
19 that section 4.1(d) was a compromise entered into
20 between the parties pursuant to which Impax and Endo
21 agreed that Impax would have a license to any patents
22 issued from the pending patent applications and other
23 patents Endo might acquire, but that once the scope of
24 future patent rights became known with certainty, the
25 parties would negotiate in good faith over the terms of

1 an amended license to such future patents that would
2 fairly compensate Endo for granting Impax a benefit, a
3 license to future patents, that Impax could not obtain
4 via the then-pending litigation even if Impax prevailed
5 in that litigation.

6 You agree with that, right, sir?

7 A. Yeah. I mean, the agreement says what it
8 says. This is Endo's interpretation of it. I don't
9 really disagree with this interpretation, but I mean,
10 Impax also had interpretations.

11 Impax' interpretation was that the 4.1(d) did
12 not apply at all to the -- to the -- to the Impax
13 product. They were -- they were arguing that it would
14 only apply to other products, notably the CRF product,
15 so Impax did not agree with this interpretation.

16 So this is Endo's interpretation. Impax had
17 another interpretation. As I said in my report, it was
18 an ambiguous situation.

19 Q. The lawsuit between Impax and Endo, this
20 contract dispute, was eventually settled; correct?

21 A. That's correct.

22 Q. And before the lawsuit was settled, it's your
23 opinion that the settlement and license agreement was
24 terminated; correct?

25 A. That was Endo's contention. That wasn't my

1 contention. I'm sorry.

2 Q. Sir --

3 JUDGE CHAPPELL: Wait a second.

4 You asked him if that's his opinion. Are you
5 asking him if that's something he based his opinion on?
6 Because that's a fact, what you just asked him.

7 MR. HASSI: Actually, I think it's not a fact,
8 Your Honor, and that's why I think it's an opinion.

9 BY MR. HASSI:

10 Q. In your -- if I may, Your Honor -- in your
11 report, you say, "Endo sued Impax for breach of the
12 license agreement and patent infringement and later
13 terminated the agreement."

14 You say that in paragraph 27 of your report,
15 don't you, sir?

16 A. That's correct.

17 Q. Okay. And then your testimony I think I heard
18 this morning was that the settlement untermiated the
19 agreement; is that right?

20 A. Yes.

21 Q. And you would agree with me that in your
22 30 years of practicing law, you've never untermiated
23 an agreement, have you, sir?

24 A. Yes. That's why I thought it was a little
25 unusual.

1 I mean, they -- Endo said the reason -- the
2 predicate for Endo suing Impax for patent infringement
3 was that there was no -- that they had terminated the
4 agreement. Otherwise, they couldn't have sued them for
5 patent infringement. They could just have sued them
6 for damages.

7 So the predicate of suing for patent
8 infringement and potentially ultimately an injunction
9 was that the agreement was terminated. And I think
10 they say that -- I'm pretty sure they say that
11 somewhere in this complaint, but I can --

12 Q. Sir, whether the agreement was terminated and,
13 to coin a new phrase, unterminated or whether this
14 litigation never effectively terminated the agreement,
15 Impax never stopped selling oxymorphone ER; correct?

16 A. As far as I know, that's right, yes.

17 Q. And Endo never asked the court for an
18 injunction to stop Impax from selling oxymorphone ER;
19 correct?

20 A. They filed a lawsuit for patent infringement
21 seeking, among other things, equitable relief. That
22 certainly could have ultimately resulted in a permanent
23 injunction against the sale of oxymorphone, so no,
24 the -- a lawsuit for patent infringement threatens
25 your right to continue selling something, in my

1 experience.

2 Q. Sir, in your 31 years of experience as a
3 litigator, when you ask for an injunction, don't you
4 actually ask for the injunction as opposed to
5 unspecified equitable relief?

6 A. As -- as -- first of all, in -- in -- the
7 patent provides a right to exclude, so if they're
8 found to be liable for patent infringement, the normal
9 relief for being found liable for patent infringement
10 is an injunction, and so I certainly think that that
11 was -- that was not in any way excluded.

12 I mean, they didn't seek preliminary
13 injunctive relief because, as I said, Impax had been
14 on the market for a long time. I think that would
15 have been very difficult to get.

16 But I don't think there's anything in here
17 that suggests that had they been -- had they found
18 Impax liable for patent infringement, that an
19 injunction would not have been the logical consequence
20 of that finding.

21 Q. You agree that they never specifically asked
22 the court for an injunction; right?

23 A. As far as I'm aware, they did not.

24 Q. And had they specifically asked for an
25 injunction, they would have been unlikely to get one in

1 light of the fact that this is really just a case about
2 money damages; right?

3 A. They would have been unlikely to get a
4 preliminary injunction. Permanent injunction would be
5 a different standard.

6 Q. Sir, in paragraph 14 of your report, you state,
7 "Mr. Figg offers the opinion that Impax' license,
8 'covering both existing and patent applications,' 'was
9 unique among the litigants,' because 'none of the other
10 ANDA filers secured broad rights to later-acquired
11 patents.'"

12 Do you see that?

13 A. I don't have my report in front of me, but I --
14 that's what I said, yes.

15 Q. Okay. And you agree with Mr. Figg that the
16 license that Impax got was unique among the ANDA
17 filers; right?

18 A. I don't -- I agree that the license was
19 different -- that it was -- that each license was
20 different. But I think that insofar as the other
21 licenses provided only rights to -- only explicitly
22 provided rights to the existing patents and the
23 Impax -- and Mr. Figg is claiming that the Impax
24 license provided rights to the future -- future issued
25 patents, it was ambiguous, in light of

1 paragraph 4.1(d), whether those rights to the future
2 patents were really effective.

3 So that was the -- that was the ambiguity,
4 that was the problem, so they -- in -- if -- if Impax
5 had -- if Endo had won this litigation that they --
6 that they filed, then the consequence would be, no,
7 they did not have a right to the future patents. They
8 did not have the license that they thought they had,
9 which was a royalty-free license to all of the
10 patents.

11 I'm sorry if that's a confusing answer, but
12 that's what I've said I think multiple times.

13 Q. Sir, in your opinion, it would be normal to
14 seek a license that would give your client freedom to
15 operate?

16 A. Yes, it would.

17 Q. And you would agree that none of the other ANDA
18 filers got a license that gave them freedom to operate;
19 correct?

20 A. Well, they had licensed freedom to operate up
21 until the new patents issued. They had a license under
22 some patents. I don't know the details of all the
23 other ANDA filers' licenses.

24 Q. Using that definition, Impax had freedom to
25 operate until those other patents issued and Endo sued

1 in 2016; correct?

2 A. Well, until those other patents issued they had
3 that, yes.

4 JUDGE CHAPPELL: Mr. Hassi, you must have a
5 different definition of "wrapping up" than I do.

6 THE WITNESS: Than what?

7 MR. HASSI: Sorry about that, Your Honor.

8 Give me a minute, Your Honor. May I confer
9 with counsel for a minute?

10 JUDGE CHAPPELL: Go ahead.

11 (Pause in the proceedings.)

12 MR. HASSI: I'll really try to wrap up now,
13 Your Honor.

14 BY MR. HASSI:

15 Q. Sir, you don't offer any opinions about the
16 effect of the settlement and license agreement in the
17 long-acting opioid market; correct?

18 A. The effect of the settlement and license
19 agreement on the market? No, I don't offer opinion.

20 Q. And as you sit here today, you're aware that
21 Impax is selling oxymorphone ER; correct?

22 A. Yes. As far as I'm aware, yes. I don't
23 actually know for a fact whether they are or not.

24 Q. And as you sit here today, you're aware that
25 no other company besides Impax is selling

1 oxymorphone ER; correct?

2 A. I don't -- as far as I know, that's -- that's
3 accurate. But again, I haven't -- I don't actually
4 know. I don't have personal knowledge of that. It's
5 not part of my report.

6 MR. HASSI: I have no further patience.

7 Thank you for --

8 JUDGE CHAPPELL: Any redirect based on the
9 cross?

10 MS. PEAY: I have some brief redirect.

11 JUDGE CHAPPELL: Go ahead.

12 I'm hanging on that word "brief" you used,
13 Counselor.

14 MS. PEAY: Less than 20 minutes?

15 JUDGE CHAPPELL: All right.

16 - - - - -

17 REDIRECT EXAMINATION

18 BY MS. PEAY:

19 Q. Good afternoon again, Mr. Hoxie.

20 A. Good afternoon.

21 Q. Do you recall Mr. Hassi asking you just a
22 little bit ago about whether Endo terminated the
23 settlement and license agreement with Impax?

24 A. Yes.

25 Q. Okay. I'd like -- Ms. Allen, can you bring up

1 on the screen Exhibit CX 2944.

2 And Mr. Hoxie, I'm sorry I don't have a hard
3 copy for you.

4 Mr. Hoxie, have you seen this document before,
5 Exhibit CX 2944?

6 A. Yes, I have.

7 Q. Mr. Hoxie, did you cite to this in your
8 report?

9 A. Yes, I did.

10 Q. Okay. Can you turn to page 2 of the exhibit,
11 Ms. Allen.

12 Mr. Hoxie, what is this, this document,
13 starting on page 2?

14 A. Yeah. This is a letter from Endo to Impax,
15 terminating the settlement and license agreement. It's
16 dated October 31, 2016.

17 Q. Thank you.

18 You can take that document down, Ms. Allen.

19 And Mr. Hoxie, do you recall Mr. Hassi showing
20 you earlier this afternoon RX -- Exhibit RX 086?

21 A. I'll have to look at that document.

22 Which one was that, please?

23 Q. It is -- it is at tab 5 of respondent's binder.
24 It's the Lex Machina --

25 A. The Lex Machina report? Yes, I see that.

1 Q. -- report. Or actually, hold on one second.

2 I think -- sorry. I think I have the wrong --

3 my apologies. It's at tab 4 --

4 A. Okay. Tab 4.

5 Q. -- of the binder. It is the presentation dated

6 June 8, 2010.

7 A. I've got it.

8 Q. And was this a presentation that appears to

9 have been made to Endo by FULD & Company?

10 A. It appears so, yes.

11 Q. And Mr. Hassi walked through a few pages of

12 this presentation with you earlier this afternoon;

13 correct?

14 A. Yes.

15 Q. Mr. Hoxie, can you please turn to page 11 of

16 the document.

17 A. Okay.

18 Q. And Mr. Hoxie, do you know who Piper Jaffray is

19 or what Piper Jaffray is?

20 A. I don't know a lot of details. They're a

21 finance firm I believe.

22 Q. And if you read here, starting at the second

23 paragraph, it says, "Though much of the Street is

24 assuming that an at-risk launch is highly unlikely for

25 a smaller generics player like Impax, we're not so sure

1 given the company's rapidly expanding cash position and
2 therefore ability to take on liability risk."

3 Do you see that?

4 A. Yes, I do.

5 Q. Is this expressing a different view than the
6 views that were expressed by the financial analysts'
7 views that you reviewed with Mr. Hassi earlier this
8 afternoon?

9 A. It expresses a different view, yes.

10 Q. You can put that -- take that document down.

11 And I believe that -- do you recall earlier
12 this afternoon that you and Mr. Hassi came to terms on
13 what an at-risk launch means?

14 A. Yes.

15 Q. And what was that definition?

16 A. I believe we've been using "at-risk launch" to
17 refer to a launch after the 30-month exclusivity is
18 up, the 30-month stay of approval is up, obviously, and
19 before a Federal Circuit decision.

20 Q. Did you use the terms "before a nonappealable
21 judgment" earlier when you spoke with Mr. Hassi?

22 A. I think that that's the specific, yeah, so it
23 could be -- you might not have a Federal Circuit
24 decision if you didn't appeal the judgment.

25 Q. And do you recall this afternoon Mr. Hassi

1 asking you about the Royal Bank of Capital (sic)

2 report --

3 A. Yes.

4 Q. -- the Royal Bank of Canada Capital Markets
5 report?

6 A. Yes.

7 Q. And he asked you some questions -- did he ask
8 you some questions about the discussion of at-risk
9 launches that are in that report?

10 A. Yes, he did.

11 Q. Do you know how the RBC defines "at-risk
12 launches" for the purpose of that report?

13 A. I don't.

14 Q. Ms. Allen, can you put Exhibit RX 425 up on the
15 screen.

16 And is this -- this is the exhibit you were
17 discussing with Mr. Hassi earlier this afternoon?

18 A. Yes.

19 Q. Okay. Ms. Allen, can you please turn to page
20 RX 425.0007.

21 And if you can zoom in on the top paragraph
22 which is titled At-Risk Launches.

23 A. Yes, I see that paragraph.

24 Q. I'm sorry, Mr. Hoxie.

25 And I'll read to you the second sentence of the

1 paragraph: "We define an at-risk launch as any launch
2 without a lower court ruling."

3 Do you see that?

4 A. Yes.

5 Q. Is that consistent with the definition of
6 "at-risk launch" that you agreed upon with Mr. Hassi
7 this afternoon?

8 A. No, that's not consistent.

9 Q. Ms. Allen, you can take that document down.

10 Mr. Hoxie, do you recall that Mr. Hassi asked
11 you a number of questions about quantifying the risks
12 of launching at risk?

13 A. Yes, he did.

14 Q. Based on your review of his report, did
15 Mr. Figg quantify the risks of launching at risk?

16 A. No. Not in numerical terms, no.

17 Q. Are your opinions that you are offering
18 regarding launching at risk in response to Mr. Figg's
19 opinions?

20 A. Yes, they are.

21 Q. In your review of the materials in this case,
22 did you see any Impax documents that quantified the
23 risks of launching at risk?

24 A. I didn't -- I saw Impax documents referring to
25 risk analysis, but I think the actual documents and

1 portions of the documents that I saw that actually
2 contained the specific analysis were redacted or
3 withheld.

4 So I don't -- I don't have -- I didn't see any
5 documents that specifically quantified the risk in
6 numerical terms.

7 Q. Mr. Hoxie, do you know if the numbers
8 Mr. Hassi asked you to assume regarding the potential
9 quantifiable risks of launching at risk are in any way
10 reflected in Impax' own analysis of an at-risk launch?

11 A. I have -- I have -- I don't know if Impax
12 specifically quantified the risk. Impax did
13 forecasts, and so they had numerical -- they had a
14 numerical analysis of forecasts under different,
15 you know -- but I don't -- I don't recall anybody
16 saying that they had a -- you know, a 58 percent chance
17 of winning and a 42 percent chance of losing. I don't
18 recall anything like that.

19 Q. Did you offer an opinion in your report
20 quantifying the risk to Impax from an at-risk launch?

21 A. I did not.

22 Q. Did you offer an opinion -- the opinion in your
23 report that Impax would have launched at risk?

24 A. No, I didn't offer that opinion.

25 Q. Did you offer the opinion that Impax should

1 have launched at risk?

2 A. No.

3 Q. Mr. Hoxie, in your report, did you provide any
4 opinions regarding the ultimate pricing of Impax'
5 generic Opana ER product?

6 A. No. I don't -- I didn't give an opinion on
7 that -- how -- I did not give an opinion on how it
8 would be priced. I think there is some information in
9 the materials that I cited to both from Impax and Endo
10 with projections, but I didn't -- I didn't offer any
11 opinion on that.

12 Q. And do you recall at I believe near the
13 beginning of Mr. Hassi's cross that you -- that he
14 asked you some questions regarding your experience with
15 Hatch-Waxman litigation?

16 A. Yes.

17 Q. Okay. And he asked you -- do you recall that
18 he asked you a number of questions about your
19 experience as counsel of record?

20 A. Yes.

21 Q. So can you explain, what roles have you had
22 with respect to Hatch-Waxman litigation?

23 A. Well, I've -- I've -- as I -- as I said
24 yesterday, I've -- I've been responsible for managing
25 Hatch-Waxman litigation, and I was actually head of

1 intellectual property litigation for Novartis, brand
2 and generic, worldwide, which included a lot of
3 Hatch-Waxman litigation.

4 And in that capacity, I would -- I would -- I
5 would look at freedom to operate for identified patent
6 risks, identify -- I would deal with, when we received
7 Paragraph IV certifications, responding to those
8 certifications, lining up outside counsel, working
9 with outside counsel to develop strategies, reviewing
10 motion -- pleadings and motions and legal memoranda
11 that were filed in the cases, helping to prep
12 witnesses, attending the trials, sometimes as a
13 corporate representative, and negotiating settlements
14 or trying to negotiate settlements with my counterparts
15 on the other side.

16 And then since -- since that time, I've been
17 extensively involved in advising pharmaceutical
18 companies on the branded side regarding Hatch-Waxman
19 litigation and provided opinions to them, provided
20 second opinions to counsel opinions, work -- you know,
21 worked -- and worked with them to develop strategies
22 and, you know, to support litigation where it was
23 necessary.

24 So I have had some considerable experience in
25 dealing with Hatch-Waxman litigation and in making

1 decisions and advising senior management both in
2 Novartis when I was working there and in other
3 companies, clients, since I've left Novartis regarding
4 risks and regarding approaches to settlement and to
5 litigation in the Hatch-Waxman context.

6 Q. And what has been your role in negotiating
7 Hatch-Waxman settlements?

8 A. When I was at Novartis, I would typically be
9 the lead negotiator for Hatch-Waxman settlements
10 because it's primarily a patent issue, and so as the
11 person in charge of patents, I would be in charge of
12 that negotiation from Novartis' perspective.

13 And then there would typically be a business
14 development and licensing person and possibly a general
15 attorney involved, so it would be a team of, you know,
16 two or three or four people.

17 Q. Mr. Hoxie, have you had experience related to
18 claim construction briefing?

19 A. Yes, I have.

20 Q. What is that experience?

21 A. I've -- I've been involved in numerous cases
22 where there were claim construction briefs. I've
23 assisted in writing those briefs.

24 I've made determinations as to strategically
25 how the claims ought to be -- how the claims ought to

1 be interpreted or what would be of maximum benefit
2 strategically for us, for my client, in having claims
3 interpreted in a particular way.

4 And I've advised management regarding the
5 impact of claim construction briefings on the trial and
6 on their likelihood of success at trial.

7 MS. PEAY: Thank you, Mr. Hoxie. I have no
8 further questions at this time.

9 JUDGE CHAPPELL: Anything further?

10 MR. HASSI: A couple of brief questions,
11 Your Honor.

12 - - - - -

13 REXCROSS-EXAMINATION

14 BY MR. HASSI:

15 Q. Sir, counsel showed you a piece of paper
16 purporting to terminate a license agreement.

17 Did you see that?

18 A. Yes, I did.

19 Q. Okay. Now, you've -- I think you testified
20 earlier today you've worked on hundreds of license
21 agreements; is that right?

22 A. Well, a large number. A large number, yes.
23 Probably hundreds if you count every kind of license,
24 yes.

25 Q. Ever get a letter purporting to terminate any

1 of those -- one of those licenses?

2 A. Yes. It's not common, but I've certainly been
3 in situations where licenses were terminated.

4 Q. Ever get a letter purporting to terminate a
5 license and you disagreed with the purported
6 termination?

7 A. I've been I think on the sending end of those
8 letters. I'm trying to recall a situation where I was
9 on the receiving end. But I -- people often, when
10 they're in that circumstance, do disagree.

11 Q. And it would be up to a court to decide who was
12 right and who was wrong as between Impax and Endo as to
13 whether the license was actually terminated?

14 A. That would depend on the circumstances. That
15 would depend on the circumstances of the case.

16 In this case, I think Endo said it was
17 terminated, they declared it was terminated, on the
18 basis of breach. But whether there was a breach I
19 think would have had to have been determined by the
20 court.

21 Q. And you didn't do an analysis of, for example,
22 the termination provision in the settlement and license
23 agreement as opposed to -- and the claims that Endo was
24 making related to that; right?

25 A. Not in depth. I understand the agreement was

1 terminable in the event of breach, but I don't
2 remember the details.

3 Q. And you're not offering an opinion as to
4 whether the agreement was breached; right?

5 A. No, I'm not.

6 Q. And with respect to Endo's complaint, I think
7 you said this morning, anyone with \$400 can file a
8 complaint; right, sir?

9 A. That's correct.

10 MR. HASSI: Thank you, sir. I have nothing
11 further.

12 JUDGE CHAPPELL: Anything further?

13 MS. PEAY: If I may have one moment to confer
14 with counsel?

15 JUDGE CHAPPELL: Go ahead.

16 MS. PEAY: Thank you, Your Honor.

17 (Pause in the proceedings.)

18 Nothing further, Your Honor. Thank you.

19 JUDGE CHAPPELL: Thank you. You may stand
20 down.

21 MR. HASSI: Your Honor?

22 JUDGE CHAPPELL: Yes.

23 MR. HASSI: I did want to advise you -- and for
24 that matter, I haven't had a chance to tell complaint
25 counsel this -- I received an e-mail late last night

1 from Mr. Hsu. It looks like he may not be able to be
2 here on Tuesday.

3 He said he would -- he's got a family
4 emergency. He said he was going to try to give me an
5 update tomorrow. I will let the court know as soon as
6 I know.

7 But given that he's in Taiwan and the family
8 emergency is in Taiwan, I think it's unlikely that
9 he's here on Tuesday. I wanted to alert the court to
10 that.

11 JUDGE CHAPPELL: You were scheduling him and
12 one other witness?

13 MR. HASSI: Him and one other witness. The
14 other witness will still be here on Tuesday. I just --
15 I doubt, based on the information I received from
16 Mr. Hsu last night, that he'll make it on --

17 JUDGE CHAPPELL: Well, perhaps we should wait
18 until both witnesses are available so we can have at
19 least most of a day.

20 MR. HASSI: Certainly that --

21 JUDGE CHAPPELL: Let's see what develops.

22 We will say that Tuesday is tentative right
23 now, because I see no need to gather for a short -- one
24 short witness. I think you represented it's not going
25 to take long.

1 MR. HASSI: He's relatively short. I would say
2 he's similar to Mr. Cobuzzi. He was Mr. Cobuzzi's
3 counterpart on the development and co-promotion
4 agreement. He's the Impax employee, the head of brand
5 division, so I say short, between one to three hours
6 between direct and cross I would think.

7 JUDGE CHAPPELL: When do you expect to know
8 more from Mr. Hsu?

9 MR. HASSI: His e-mail last night indicated
10 that he would let me know Friday morning Pacific Time,
11 so I hope to know something tomorrow.

12 JUDGE CHAPPELL: Anything?

13 MR. LOUGHLIN: Your Honor, we're happy to go
14 on Tuesday or we're happy to wait. It's up to you,
15 it's up to the court.

16 JUDGE CHAPPELL: If I'm correct, we have two
17 witnesses remaining.

18 MR. HASSI: Yes, Your Honor.

19 JUDGE CHAPPELL: Two witnesses that would be
20 one day.

21 MR. HASSI: Yes, Your Honor.

22 JUDGE CHAPPELL: Together.

23 MR. HASSI: Yes, Your Honor.

24 JUDGE CHAPPELL: Let's see what you can find
25 out by Monday. Send everyone an e-mail, OALJ but,

1 you know, the usual, the usual suspects.

2 And if it appears that Mr. Hsu can be here
3 later in the week -- let's see. Next week is not
4 Thanksgiving.

5 MR. HASSI: No, it's not, Your Honor.

6 JUDGE CHAPPELL: If, for example, he can be
7 here Wednesday or Thursday but not Tuesday, then we
8 should move our one day next week, unless someone has
9 some irreconcilable conflicts.

10 MR. LOUGHLIN: We don't have any irreconcilable
11 conflicts --

12 JUDGE CHAPPELL: So let's all try to keep next
13 week open. Let's see what develops.

14 My staff will e-mail everybody by close of
15 business Monday on whether we have to be here Tuesday
16 morning or not. Okay?

17 MR. HASSI: Yes, Your Honor.

18 JUDGE CHAPPELL: Anything further?

19 MR. HASSI: No, Your Honor.

20 JUDGE CHAPPELL: Until we meet again, we're in
21 recess.

22 (Whereupon, the foregoing hearing was adjourned
23 at 5:02 p.m.)

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CERTIFICATE OF REPORTER

I, JOSETT F. WHALEN, do hereby certify that the foregoing proceedings were taken by me in stenotype and thereafter reduced to typewriting under my supervision; that I am neither counsel for, related to, nor employed by any of the parties to the action in which these proceedings were taken; and further, that I am not a relative or employee of any attorney or counsel employed by the parties hereto, nor financially or otherwise interested in the outcome of the action.

s/Josett F. Whalen

JOSETT F. WHALEN

Court Reporter