

<p style="text-align: right;">Page 1</p> <p>UNITED STATES PATENT AND TRADEMARK OFFICE ----- BEFORE THE PATENT TRIAL AND APPEAL BOARD -----</p> <p>-----X TEVA PHARMACEUTICALS USA, INC., : : Petitioner, : v. : : CORCEPT THERAPEUTICS, INC., : : Patent Owner. : : Case No. PCR2019-00048 : -----X</p> <p>VIDEO DEPOSITION OF Dr. David Greenblatt February 14, 2020 Washington, D.C. Lead: Eric Stops, Esquire Firm: Quinn Emanuel Urquhart & Sullivan, LLP</p> <p>FINAL COPY JANE ROSE REPORTING 1-800-825-3341</p>	<p style="text-align: right;">Page 3</p> <p>APPEARANCES:</p> <p>On behalf of the Petitioner: DEBORAH A. STERLING, Ph.D., ESQ. WILLIAM H. MILLIKEN, ESQ. Sterne, Kessler, Goldstein & Fox, P.L.L.C. 1100 New York Avenue, NW, Suite 600 Washington, D.C. 20005-3934 PHONE: (202) 772-8501 (Ms. Sterling) (202) 772-8854 (Mr. Milliken) FAX: (202) 371-2540 EMAIL: dsterling@sternekessler.com wmilliken@skgf.com</p> <p>On behalf of the Patent Owner: ERIC STOPS, ESQ. DANIEL C. WIESNER, ESQ. Quinn Emanuel Urquhart & Sullivan, LLP 51 Madison Avenue, 22nd Floor New York, New York 10010 PHONE: (212) 849-7561 FAX: (212) 849-7100 EMAIL: ericstops@quinnemanuel.com danielwiesner@quinnemanuel.com</p>
<p style="text-align: right;">Page 2</p> <p>VIDEO DEPOSITION OF DAVID J. GREENBLATT, M.D.</p> <p>the witness, was called for examination by counsel for the Patent Owner, pursuant to notice, on Friday, February 14, 2020, commencing at 9:03 a.m., at the law offices of Sterne, Kessler, Goldstein & Fox, P.L.L.C., 1100 New York Avenue, NW, Suite 600, Washington, D.C., before Dawn A. Jaques, CSR, CLR, and Notary Public in and for the District of Columbia.</p>	<p style="text-align: right;">Page 4</p> <p>JANE ROSE REPORTING 74 Fifth Avenue New York, New York 10011 PHONE: 1-800-825-3341 EMAIL: janerose@janerosereporting.com WEB: www.janerosereporting.com Dawn Jaques, Court Reporter Nhat Pham, Videographer</p>

Page 5	<p style="text-align: center;">I-N-D-E-X</p> <p>WITNESS: PAGE: DAVID J. GREENBLATT, M.D.</p> <p>Examination by Mr. Stops Page 6</p> <p>Reporter Certification.....Page 239</p> <p>Notice to Read and Sign.....Page 237</p> <p>Index of Exhibits.....Page 233</p>	Page 7	<p>1 (The witness was administered the oath.)</p> <p>2 Whereupon,</p> <p>3 DAVID J. GREENBLATT, M.D.,</p> <p>4 was called as a witness, after having been</p> <p>5 first duly sworn by the Notary Public,</p> <p>6 was examined and testified as follows:</p> <p>7 EXAMINATION BY COUNSEL FOR THE PATENT OWNER</p> <p>8 BY MR. STOPS:</p> <p>9 Q Good morning, Dr. Greenblatt.</p> <p>10 A Good morning.</p> <p>11 Q Just a few instructions before we get</p> <p>12 into it. We need your answers orally because the</p> <p>13 court reporter cannot record nods of the head.</p> <p>14 Do you understand?</p> <p>15 A I do.</p> <p>16 Q And if you don't answer a question, I</p> <p>17 need you to ask me for a clarification before you</p> <p>18 answer. If you do answer, that means you</p> <p>19 understood the question. Do you agree?</p> <p>20 A Yes, I agree.</p> <p>21 Q You've been deposed before, correct?</p> <p>22 A Yes.</p> <p>23 Q How many times?</p> <p>24 A I don't have an exact number, but I</p> <p>25 estimate on average either a court or a deposition</p>
Page 6	<p>1 PROCEEDINGS</p> <p>2</p> <p>3 THE VIDEOGRAPHER: We are now on the</p> <p>4 record. Here begins the video deposition of David</p> <p>5 J. Greenblatt, M.D., taken in the matter of</p> <p>6 Teva Pharmaceuticals USA, Inc., v. Corcept</p> <p>7 Therapeutics, Inc. Today's date is February 14,</p> <p>8 2020. The time is 9:03.</p> <p>9 This deposition is being held at</p> <p>10 1100 New York Avenue, Northwest, in</p> <p>11 Washington, D.C. Our court reporter is</p> <p>12 Dawn Jaques. My name is Nat Pham, both on behalf</p> <p>13 of Jane Rose Reporting.</p> <p>14 Will counsel please state your</p> <p>15 appearance for the record?</p> <p>16 MR. STOPS: Eric Stops and Daniel</p> <p>17 Wiesner from Quinn Emanuel for Patent Owner,</p> <p>18 Corcept.</p> <p>19 MS. STERLING: Deborah Sterling and</p> <p>20 Will Milliken from Sterne, Kessler,</p> <p>21 Goldstein & Fox for Teva Pharmaceuticals USA, Inc.</p> <p>22 THE VIDEOGRAPHER: Will the court</p> <p>23 reporter please swear in the witness?</p> <p>24 THE REPORTER: Raise your right hand,</p> <p>25 sir.</p>	Page 8	<p>1 appearance, on average, one to two times a year</p> <p>2 for the last 45 years.</p> <p>3 Q Okay. And you've put in expert</p> <p>4 reports or expert declarations in the past,</p> <p>5 correct?</p> <p>6 A Yes.</p> <p>7 Q You submitted one declaration in this</p> <p>8 matter, correct?</p> <p>9 A Correct.</p> <p>10 Q Have you prepared any documents for</p> <p>11 this action beyond that declaration?</p> <p>12 MS. STERLING: I'm going to object to</p> <p>13 the extent that that gets to privileged</p> <p>14 information.</p> <p>15 You may answer yes or no, but not</p> <p>16 discuss any substance of any of the conversations</p> <p>17 you've had or any of the actions you've taken with</p> <p>18 your counsel.</p> <p>19 THE WITNESS: No.</p> <p>20 BY MR. STOPS:</p> <p>21 Q Who retained you for this case?</p> <p>22 A The Sterne Kessler firm.</p> <p>23 Q Have you worked with Teva before?</p> <p>24 A Yes.</p> <p>25 Q How many times?</p>

Page 9	1 A I don't have a number on it, but over 2 the last decade, I served as a scientific 3 consultant. 4 Q And have you worked with the 5 Sterne Kessler law firm before? 6 A Yes. 7 Q How many times? 8 A That I don't know. I'd have to -- 9 Q Okay. 10 A Without looking at the records, but 11 sure, yeah. 12 Q What was the context? Was it a 13 deposition like this? 14 A You know, apparently I can't trust my 15 memory on that, so ... 16 Q Understood. Just so we keep the 17 record clear, if I use the abbreviation PK for 18 pharmacokinetics and PD for pharmacodynamics, 19 you'll know what I mean, right? 20 A Yes. 21 Q And I've heard pharmacokinetics 22 defined roughly as what a -- what your body does 23 to a drug, and pharmacodynamics as what a drug 24 does to your body. 25 Are those simplified definitions in	Page 11	1 Q So a specific CYP3A subfamily member, 2 such as CYP3A4, would be an isoform; is that 3 right? 4 A Yes. 5 Q And the metabolism by the liver before 6 a substrate reaches the rest of the body is 7 referred to as first-pass metabolism, correct? 8 A That is one of the terms that's used. 9 This -- and this refers to oral dosage. 10 Q Understood, because -- and it refers 11 to oral dosage because IV dosing will bypass -- 12 bypass first-pass metabolism, correct? 13 MS. STERLING: Objection, foundation. 14 THE WITNESS: The second statement is 15 correct, yes. 16 BY MR. STOPS: 17 Q Oh, the second statement being IV 18 dosing will bypass first-pass metabolism? 19 A Correct. 20 MS. STERLING: Same objection. 21 BY MR. STOPS: 22 Q Thank you. I'm sorry. 23 Is it -- is it proper to refer to the 24 metabolism in the intestines and the first-pass 25 liver metabolism collectively as presystemic
Page 10	1 accordance with your understanding? 2 A Those are simplified definitions. I 3 would point to the declaration for more detailed 4 discussion. 5 Q Okay. Enzymes in the cytochrome P4503A 6 family are often referred to as just CYP3A, right? 7 A That is often the case, yes. 8 Q And if I call that CYP3A, you'll know 9 what I mean, right? 10 A Yes, I will. 11 Q And a CYP3A is also written as 12 P450-3A, correct? 13 A That's correct. 14 Q Okay. And there is a CYP3A enzyme in 15 the intestines, correct? 16 A That is correct. 17 Q There's also a CYP3A enzyme in the 18 liver, correct? 19 A Correct. 20 Q How would you define a CYP3A isoform? 21 MS. STERLING: Objection, form. 22 THE WITNESS: It is one of the 23 specific proteins or enzymes in the cytochrome 24 P4503A subfamily. 25 BY MR. STOPS:	Page 12	1 metabolism? 2 MS. STERLING: Objection. 3 BY MR. STOPS: 4 Q Can I -- I'll rephrase that. 5 Is it proper to collectively refer to 6 metabolism in the intestines and the first-pass 7 liver metabolism as presystemic extraction? 8 A That -- that is partly -- partly 9 correct. 10 Q Okay. What was incorrect? 11 A Well, the -- when a drug is given 12 orally and incompletely reaches the systemic 13 circulation, we collectively call that presystemic 14 extraction or the first-pass effect. It can be 15 due to metabolism, or there can be other things 16 causing it. 17 Q Other things such as transporters? 18 A That's one of -- 19 MS. STERLING: Objection, foundation. 20 THE WITNESS: Yes, that is one of the 21 other things. 22 BY MR. STOPS: 23 Q Okay. And just so I'm clear on 24 terminology, I had always thought first-pass 25 metabolism referred to just the liver.

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<p>1 Does first-pass metabolism also 2 encompass the metabolism in the intestines? 3 A When it's used in that context, yes. 4 It's a -- it's a combination of enteric and liver. 5 Q Would you agree that the most 6 important mechanism of presystemic extraction is 7 the first-pass hepatic metabolism? 8 MS. STERLING: Objection to form, 9 scope. 10 THE WITNESS: No. 11 BY MR. STOPS: 12 Q Why do you disagree? 13 A It could be enteric metabolism, it 14 could be hepatic metabolism, a combination of the 15 two, or other factors preventing reaching of the 16 systemic circulation. 17 Q So it depends on the context; is that 18 correct? 19 MS. STERLING: Objection, form, scope. 20 THE WITNESS: Well, many factors 21 determine the contributions or the determinants of 22 first-pass metabolism or presystemic extraction. 23 BY MR. STOPS: 24 Q So sometimes the intestinal metabolism 25 would be most important, sometimes the hepatic</p>	<p>1 inhibition may profoundly increase oral 2 bioavailability through the impaired presystemic 3 extraction, resulting in large substrate plasma 4 concentrations, correct? 5 MS. STERLING: Objection, form, 6 foundation. 7 THE WITNESS: A POSA would have known 8 that after oral dosage of a CYP3A substrate, that 9 inhibition of CYP3A could lead to increased 10 systemic exposure in amounts ranging from small to 11 very large. 12 BY MR. STOPS: 13 Q And a POSA would have known that such 14 interactions may be clinically hazardous, correct? 15 MS. STERLING: Objection, form, 16 foundation. 17 THE WITNESS: A POSA would have known 18 that such interactions could be clinically 19 beneficial, could be of no effect at all, or could 20 be hazardous. All three are possible. 21 BY MR. STOPS: 22 Q In drug interactions, the drug causing 23 the interaction can be referred to as the 24 perpetrator, correct? 25 A It has been referred to as that, yes.</p>
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<p>1 metabolism is the most important, sometimes it 2 will be something else; is that right? 3 MS. STERLING: Objection, form. 4 THE WITNESS: Partially correct, but 5 the point is that presystemic extraction or 6 first-pass metabolism can be either hepatic or 7 enteric biotransformation metabolism, it could be 8 transport, and maybe other factors as well. 9 BY MR. STOPS: 10 Q Okay. And in all of the first-pass 11 metabolism or the presystemic extraction, the 12 common result is that some portion of the drug is 13 biotransformed before reaching systemic 14 circulation, correct? 15 MS. STERLING: Objection, foundation, 16 form. 17 THE WITNESS: When there is first-pass 18 metabolism or presystemic extraction, some 19 fraction fails to reach the circulation after oral 20 dosage. 21 BY MR. STOPS: 22 Q A POSA would have known prior to the 23 critical date that for CYP3A substrates that 24 ordinarily undergo high systemic -- sorry, high 25 presystemic extraction after oral dosage, CYP3A</p>	<p>1 Q And the drug being interacted with can 2 be referred to as the victim or the substrate, 3 correct? 4 A That is correct. 5 Q And the perpetrator can be, for 6 example, an inhibitor of the victim's metabolism, 7 correct? 8 A That is one possibility among many. 9 Q One of the references you refer to in 10 your declaration is the -- is a 2006 draft FDA 11 guidance, correct? 12 A I believe you're correct, that that's 13 among the documents. 14 Q And it's your opinion that POSAs will 15 follow FDA guidances, correct? 16 A My opinion is that a POSA could 17 consider FDA guidance. Whether they follow it, I 18 can't say. 19 Q Why can't you say? 20 A Because I don't know if they would 21 follow it. Depends on what the objective is and 22 what the clinical or scientific problem is. 23 Q In your opinions for this matter, is 24 it your opinion that POSAs would follow the 2006 25 draft FDA guidance?</p>

Page 17	1 MS. STERLING: Objection, form. 2 THE WITNESS: I think I just answered 3 that. 4 BY MR. STOPS: 5 Q I was making sure you weren't 6 answering the question in the abstract versus a 7 different opinion for this case in particular. 8 A Okay. Well, my answer would then be 9 the same. I think if -- if -- depending on the 10 specific problem in question, they might consider 11 the guidance; and whether they would follow it, I 12 don't know. 13 Q You'd agree that the impact of a 14 drug-drug interaction on the clearance of a victim 15 drug is greatest when that drug is extensively 16 metabolized and a single CYP isoform mediates 17 clearance, correct? 18 MS. STERLING: Objection, form -- 19 THE WITNESS: I can't -- 20 MS. STERLING: -- foundation. 21 THE WITNESS: I'm sorry. 22 I can't agree with that. That's just 23 not enough information. 24 MR. STOPS: Okay. So I'm going to 25 continue the numbering from the last exhibit in	Page 19	1 exhibit, is a book chapter that you wrote, 2 correct? 3 A That's correct. I see that. 4 Q Okay. And you recognize the book 5 chapter? 6 A I do, yes. 7 Q And the book chapter is entitled 8 "Clinical Studies of Drug-Drug Interactions: 9 Design and Interpretation," correct? 10 A That is correct. 11 Q If you would turn to page 634 of 12 Exhibit 2049, let me know when you're there, 13 please. 14 A Yes, I see it. I'm there. 15 Q In the second full paragraph -- I'll 16 direct you to the second full paragraph on the 17 page. Do you see the first sentence, "The impact 18 of a DDI on the clearance of a victim drug is 19 greatest when that drug is extensively 20 metabolized, and a single CYP isoform mediates 21 clearance"? 22 A Yes, I see those words. 23 Q And you wrote those words, correct? 24 A That's correct. Also many other 25 things in the -- in the chapter.
Page 18	1 the 2000 range that we put in. I think that's 2 consistent with normal practice. So this is going 3 to be -- 4 MS. STERLING: It is. 5 MR. STOPS: Thank you. I think I'm 6 going -- I'm going to mark this exhibit as 2049, 7 please. 8 (Exhibit 2049 was marked 9 for identification.) 10 BY MR. STOPS: 11 Q Doctor, I'm handing you an exhibit 12 that is marked as 2049. 13 MS. STERLING: I'm going to object to 14 the exhibit for authentication, scope, hearsay, 15 relevance, and there may be others depending on 16 where the questioning goes. 17 BY MR. STOPS: 18 Q Sure. Dr. Greenblatt, have you seen 19 this Exhibit 2049 before? 20 A I have seen it, not in the context of 21 the exhibit, but the internal part is a chapter 22 written by me a number of years ago. 23 Q Sure. So after the first page, which 24 is the cover of a -- cover of a book, the 25 Chapter 24, which begins on page 625 of the	Page 20	1 Q In that same paragraph, the last 2 sentence states, "Concern is augmented when the 3 substrate victim has high clearance, and undergoes 4 significant presystemic extraction after oral 5 dosage." Do you see that? 6 A I see those words, yes. 7 Q And do you agree with those words? 8 A Well, I agree with the whole chapter, 9 and I agree with the words in the context of the 10 whole chapter, but not out of context. It's not 11 relevant. 12 MS. STERLING: Excuse me. Sorry, 13 Eric, I don't mean to interrupt your line. Our 14 realtime has stopped. 15 MR. MILLIKEN: Mine stopped also. 16 THE VIDEOGRAPHER: Off the record, 17 9:23. 18 (Pause in the proceedings.) 19 THE VIDEOGRAPHER: Back on the record 20 at 9:24. 21 BY MR. STOPS: 22 Q Mifepristone is metabolized entirely, 23 or almost entirely, by CYP3A, correct? 24 MS. STERLING: Objection, foundation. 25 THE WITNESS: My understanding is that

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