## SUPREME COURT OF THE UNITED STATES

	IN	TH	Ε	SUPRE	ME	CC	URT	OF	THE	UNITE	ED	STATES
		_	_		_	_				_		
MERCK	SHAF	RP	&	DOHME	C	ORF	· ,			)		
				Petit	ioı	ner	· ,			)		
			v.							) No.		17-290
DORIS	ALBF	REC	ΗΊ	, ET	AL	٠,				)		
				Respo	nde	ent	s.			)		
		_	_		_	_		_		_		

Pages: 1 through 67

Place: Washington, D.C.

Date: January 7, 2019

## HERITAGE REPORTING CORPORATION

Official Reporters
1220 L Street, N.W., Suite 206
Washington, D.C. 20005
(202) 628-4888
www.hrccourtreporters.com

1	IN THE SUPREME COURT OF THE U	NITED STATES
2		
3	MERCK SHARP & DOHME CORP.,	)
4	Petitioner,	)
5	v.	) No. 17-290
6	DORIS ALBRECHT, ET AL.,	)
7	Respondents.	)
8		
9		
LO	Washington, D.C	
L1	Monday, January 7,	2019
L2		
L3	The above-entitled i	matter came on for
L4	oral argument before the Supremo	e Court of the
L5	United States at 10:05 a.m.	
L6		
L7	APPEARANCES:	
L8	SHAY DVORETZKY, ESQ., Washington	n, D.C.; on behalf
L9	of the Petitioner.	
20	MALCOLM L. STEWART, Deputy Solid	citor General,
21	Department of Justice, Wash	ington, D.C.; for
22	the United States, as amicus	s curiae, supporting
23	the Petitioner.	
24	DAVID C. FREDERICK, ESQ., Washin	ngton, D.C.; on behalf
25	of the Respondents	

1	CONTENTS	
2	ORAL ARGUMENT OF:	PAGE:
3	SHAY DVORETZKY, ESQ.	
4	On behalf of the Petitioner	3
5	ORAL ARGUMENT OF:	
6	MALCOLM L. STEWART, ESQ.	
7	For the United States, as amicus	
8	curiae, supporting the Petitioner	20
9	ORAL ARGUMENT OF:	
10	DAVID C. FREDERICK, ESQ.	
11	On behalf of the Respondents	31
12	REBUTTAL ARGUMENT OF:	
13	SHAY DVORETZKY, ESQ.	
14	On behalf of the Petitioner	63
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

1	PROCEEDINGS
2	(10:05 a.m.)
3	CHIEF JUSTICE ROBERTS: We'll hear
4	argument first this morning in Case 17-290,
5	Merck Sharp & Dohme versus Albrecht.
6	Mr. Dvoretzky.
7	ORAL ARGUMENT OF SHAY DVORETZKY
8	ON BEHALF OF THE PETITIONER
9	MR. DVORETZKY: Mr. Chief Justice, and
LO	may it please the Court:
L1	Respondents' express theory is that
L2	the FDA, fully informed of the risk of atypical
L3	femoral fractures, ignored that risk and its
L4	own statutory and regulatory responsibilities
L5	because it didn't like the way Merck phrased
L6	its proposed warning.
L7	That cannot be right. If a
L8	manufacturer, as Merck did here, informs the
L9	FDA of a possible risk and unsuccessfully asks
20	to revise its label in light of that risk, then
21	failure to warn claims based on that risk are
22	preempted as a matter of law.
23	That rule follows from the statutory
24	and regulatory framework governing the FDA's
25	conduct and from the presumption of regularity

- 1 The presumption of regularity, of course,
- 2 assumes that federal agencies do their jobs
- 3 correctly.
- 4 The FDA's job in this case includes
- 5 protecting the public health by working with
- 6 manufacturers to revise drug labels when
- 7 necessary.
- 8 JUSTICE KAGAN: Mr. Dvoretzky, let me
- 9 give you a -- a -- a hypothetical because I
- 10 think we can -- could all agree that if you had
- 11 proposed a warning, let -- let me just say
- 12 major -- major fractures versus stress
- fractures, and if you had proposed a warning
- that dealt with major fractures and the FDA had
- said no, we don't think that the literature
- supports that, then there's nothing you can do,
- and you should be immune from any suit.
- I think that that's pretty clear. The
- 19 question is sort of, you know, did -- did you
- 20 propose a different kind of warning? So let me
- 21 give you a hypothetical.
- 22 Suppose that you manufacture a drug
- and there's some evidence, whether it's enough,
- 24 hard to know, but there's some evidence that it
- 25 causes ovarian cancer, and you, the drug

- 1 manufacturer, proposes a warning to the FDA,
- 2 but instead of saying that the drug causes
- 3 ovarian cancer, you say it causes ovarian
- 4 cysts.
- Now ovarian cysts are nothing that
- 6 anybody wants to have, but they're an
- 7 inconvenience. They're not ovarian cancer.
- 8 And the FDA says: No, we don't think that
- 9 that's the issue at all.
- 10 Does that mean that you're off the
- 11 hook now with respect to revising your label to
- 12 say that your product causes ovarian cancer?
- MR. DVORETZKY: I don't think that
- 14 you're necessarily off the hook in that
- 15 situation because you haven't warned about the
- 16 relevant risk. But, in our case, there's no
- 17 question that Merck did warn about the relevant
- 18 risk.
- 19 The United States has told us that
- that is how the FDA understood the warning.
- 21 The Third Circuit acknowledged that Merck
- 22 proposed to warn about atypical femoral
- 23 fractures. And you have to look at the context
- in which this warning came about.
- 25 JUSTICE KAGAN: Okay. So that makes

- 1 it a much smaller case, right? That we can
- 2 agree on things on either side. We can agree
- 3 that if the FDA said to you, you don't have to
- 4 warn about major fractures, you are off the
- 5 hook. And on the other hand, we can agree if
- 6 the FDA rejected a warning that had nothing to
- 7 do with the thing that was really at risk,
- 8 you're not off the hook.
- 9 And then the whole question boils down
- 10 to what was your proposal, what was their
- 11 response, were you both talking about the same
- things? In other words, were you both talking
- about major risks? Or did the FDA look at your
- 14 proposal and say they're not talking about
- major fractures; they're only talking about
- stress fractures; and there's no reason to
- 17 think that stress fractures are a real risk and
- 18 no reason to put that in the label.
- 19 MR. DVORETZKY: I don't think that's
- 20 quite right, Justice Kagan, because you have to
- look not only at the warning that was proposed
- 22 but also at the information that was in front
- 23 of the FDA about the risk.
- 24 And this is where, again, the FDA's
- 25 complete response letter has to be understood

- in light of the FDA's statutory obligations.
- 2 Under 355(o)(4), the -- the Secretary is
- 3 obligated, if it believes that something should
- 4 be include in the label -- included in the
- 5 label of the warning, it shall promptly have a
- 6 back and forth with the manufacturer about
- 7 that.
- JUSTICE KAGAN: Yeah, but, you see,
- 9 that's --
- 10 MR. DVORETZKY: And so --
- JUSTICE KAGAN: -- that's the reason I
- 12 asked that question about the ovarian cancer
- 13 and the ovarian cysts, because I think you
- 14 could say on a -- on something like that, well,
- look, it's true that our -- our proposal talked
- 16 about ovarian cysts, but we gave them all of
- 17 this data, and if they had really looked at all
- of the data, they would have seen that it -- it
- 19 -- there's a real risk of -- of causing ovarian
- 20 cancer, and the fact that they didn't tell us
- 21 immediately to change our label means that
- 22 we're exempt from suit.
- 23 And I would think that is not a
- 24 good understanding of the statute. The idea
- 25 that they have to look through all of your

- data, even though you pinpoint an entirely
- 2 different risk, in order to find out what the
- 3 real risk is, and -- and that if they don't
- 4 manage to do that, you're exempt from suit,
- 5 that seems to me a very counterintuitive
- 6 reading of the statute and, indeed, not just
- 7 counterintuitive, it seems to conflict with the
- 8 -- the statutory provision, the rule of
- 9 construction that says that manufacturers have
- 10 primary responsibility over their labels.
- MR. DVORETZKY: And for that reason, I
- 12 think that would be a different and more
- difficult case than the one that we have here.
- But, here, the complete response letter has to
- be understood both in light of what it says but
- also against the backdrop of the FDA's
- 17 regulatory duties and the back and forth that
- 18 the FDA --
- 19 JUSTICE SOTOMAYOR: Why? Please point
- 20 me to where in the complete response letter you
- 21 say that they were -- thought stress fractures
- 22 were the same as the atypical fractures. As
- 23 I'm reading the response letter, it's -- and --
- 24 and this is what they said to you: Your
- 25 justification for the proposed precaution

1 section language is inadequate -- inadequate 2 identification of "stress fractures." May not be clearly related to the atypical -- forget 3 4 that word -- fractures that have been reported 5 in the literature. Discussion of the risk factors for stress fractures is not warranted 6 7 and is not adequately supported by the available literature. 8 9 Nowhere did they say that the atypical fractures are not supported by the literature, 10 and nowhere did they say don't change it. The 11 12 rest of the letter tells you make changes and 13 we'll come back and talk more about this. 14 I look at their argument that the 15 conversation that your person had with them was 16 saying to them: We're thinking about this. 17 Now come back with something else, and maybe 18 we'll give you what you want; maybe we won't. 19 But I don't think, from the complete response letter, if you're a textualist, that you can 20 look at it and say that they were saying no to 21 2.2 an atypical fracture warning. They were 23 certainly saying no to a stress warning. 24 So read me something in the complete 25 response letter, from that letter standing

- 1 alone, that you could draw your conclusion.
- 2 MR. DVORETZKY: So let me make two
- 3 points, Justice Sotomayor.
- 4 First, the complete response letter is
- 5 not a statute that can be read in the same way
- 6 as a textualist would read a statute. It has
- 7 to be understood against the backdrop of the
- 8 statutory and regulatory background.
- 9 But if we're going to focus just on
- 10 the response letter --
- JUSTICE SOTOMAYOR: But the statutory
- 12 background basically says the only way that you
- 13 advise someone to change a label, as I
- 14 understand it, is if it's minor changes. This
- would be a major change. And so, by regulatory
- 16 standards, they would have been acting
- improperly if they had approved your language
- 18 with telling you make some cosmetic changes,
- 19 because they didn't think this was cosmetic.
- 20 MR. DVORETZKY: I respectfully
- 21 disagree and I think the United States
- 22 disagrees that that's how the FDA --
- JUSTICE SOTOMAYOR: Doesn't mean
- they're right. I read the statute. I don't
- 25 read them.

MR. DVORETZKY: Well, but looking --1 2 looking at the statute, under 355(o)(4)(A), the Secretary has a statutory obligation if it 3 4 believes a warning is warranted to work with 5 the manufacturer. And if it disagrees with the 6 proposed changes by the manufacturer, it's 7 obligated by the statute, it shall initiate discussions to reach agreement. 8 9 So it can't just say no to a warning if it disagrees with the phrasing of it. And, 10 in fact --11 12 CHIEF JUSTICE ROBERTS: Well, where -where is the -- in the back and forth, do you 13 have references to atypical stress -- atypical 14 15 fractures? 16 MR. DVORETZKY: So the term "atypical 17 femoral fracture" is what we're calling today 18 the risk that Respondents are concerned with. 19 That term did not even really begin to be settled upon until a task force report that 20 21 came out later. 2.2 But what is clear both in the back and 23 forth and on the face of the complete response 24 letter is that Merck proposed to warn in both 25 the warning and precautions section and the

- 1 adverse reactions section about low-energy
- 2 fractures at the subtrochanteric region of the
- 3 femoral shaft. That's at Joint Appendix 511.
- 4 So the letter begins by noting that
- 5 that is what Merck proposed to warn about in
- 6 both sections of the label. So we know that's
- 7 what the FDA is thinking about.
- 8 We also know from the FDA's treatment
- 9 of the adverse reactions section of this -- of
- 10 the proposed warning, that when it wants to
- 11 revise a justified warning, it does so. So,
- 12 for the adverse reactions warning, the -- the
- 13 FDA proposed edits. But, for the warnings and
- 14 precautions section, it didn't.
- 15 We know the same thing from the FDA's
- 16 October 2010 interaction with Merck. At that
- 17 point, after the task force had completed this
- 18 study and when the FDA carried out its
- obligations under 355(o)(4), by initiating a
- 20 process with Merck, Merck again proposed some
- 21 language that included stress fractures, and
- 22 the FDA redlined it.
- 23 So that's what the FDA does when it
- thinks a warning is justified but it disagrees
- with the manufacturer's proposed language. It

1 doesn't --2 JUSTICE GORSUCH: Counsel -- I'm 3 sorry. 4 MR. DVORETZKY: No, please. 5 JUSTICE GORSUCH: I think the question 6 that we're all kind of struggling with here 7 seems to me to be this, or something along these lines: Reading the statute your way, do 8 9 we create a moral hazard that encourages manufacturers to supply the FDA with a lot of 10 11 information, overwhelming with data, but maybe 12 not the most artfully drafted and maybe deliberately inartfully drafted warning that it 13 thinks is reasonably calculated to be refused, 14 15 so that it can avoid having to shoulder or bear 16 its own costs of -- of -- internalize its own 17 costs of negligence. 18 What -- what -- what comfort can you 19 give the Court that that's not the -- the 20 outcome of the statutory regime reading that 21 you're proposing? 2.2 MR. DVORETZKY: So one comfort that I 23 would give the Court is that the FDA itself, which is -- would be in the position of -- of 24

having the problem that you're describing,

- 1 doesn't seem concerned about that problem. 2 But the other comfort that I would 3 give you is that we don't dispute that, under 4 the statute, both parties, both the FDA and the 5 manufacturer, have certain responsibilities. We're not trying to absolve the manufacturer of 6 7 its responsibilities. But, when you have before you an 8 9 impossibility preemption case where the FDA 10 rejected a proposed warning, the only way to understand the meaning of that rejection and 11 12 what it means for impossibility is in light of 13 the FDA's part of its obligations. 14 The FDA does have some obligations. 15 And where it is provided with a warning that it 16 understood to be about the relevant risk and 17 rejects that, that necessarily establishes that it was impossible for the manufacturer to 18 19 simultaneously comply with both what --JUSTICE KAGAN: Well, but your -- the 20 way you answered that question, you said a 21 2.2 warning that it understood to be about the 23 relevant risk, and -- and that's really the question. 24
- 25 The back and forth about the proposal

- 1 and about the FDA's reaction to it is whether
- 2 the FDA understood to be -- the warning to be
- 3 about major fractures, given that your proposal
- 4 talked, I think, in six different sentences
- 5 about stress fractures.
- 6 MR. DVORETZKY: So let me address the
- 7 stress fracture language because I think that
- 8 may be causing some of the -- some of the
- 9 confusion here.
- 10 The -- the risk that Merck warned
- 11 about was about these atypical -- I'm sorry,
- 12 about low-energy fractures at the
- 13 subtrochanteric region. At Joint Appendix 746,
- 14 Merck explained to the FDA how it was using the
- 15 term "stress fractures".
- And it explained to the FDA that the
- 17 term "stress fractures" included the very same
- 18 kinds of things that Respondents are concerned
- 19 about, including insufficiency fractures and
- 20 complete fractures. Those are all kinds of
- low-energy fractures, which is how Merck was
- 22 using this term.
- 23 And, moreover, the reason --
- 24 JUSTICE KAGAN: Well, but, if I
- 25 understand the -- if I understand the sort of

- 1 terminology, and maybe I don't, but
- 2 insufficiency stress fractures are, you know,
- 3 essentially, there's a world of things where
- 4 you can have a traumatic incident that leads to
- 5 a fracture and then you can have other
- fractures that are not caused by trauma, right?
- 7 But the fractures that are not caused
- 8 by trauma can be small fractures, stress
- 9 fractures that take care of themselves with
- 10 rest and elevation, and large fractures, where
- all of a sudden you're staring at a bone that's
- 12 popping out the wrong way.
- 13 So those are really different things.
- 14 They're both caused by something that's not
- trauma, but one is an inconvenience and the
- 16 other is a serious injury.
- 17 MR. DVORETZKY: The serious injury,
- 18 the complete fracture, is something that begins
- 19 as what looks like a stress fracture and can
- 20 progress to completion. And so what Merck was
- 21 trying to do in this warning was to explain, if
- 22 somebody comes in complaining of the kind of
- pain that might be consistent with a stress
- 24 fracture, doctors ought to figure out what's
- 25 causing that.

1 And if you rule out the typical causes 2 of stress fractures -- exercise, steroids, alcohol use, things like that -- if you rule 3 4 those out, and they don't explain the symptoms 5 that the doctor's seeing, then maybe consider 6 stopping bisphosphonate use, because perhaps 7 there's a connection between bisphosphonate use and what will eventually progress to the 8 9 completed fracture. That's --10 JUSTICE KAVANAUGH: If -- if we read 11 your -- the letters to refer to stress 12 fractures as something -- and not atypical 13 fractures, could you still win this case? 14 MR. DVORETZKY: We could because, 15 regardless of how you read the letters, the FDA 16 has told us in this Court and has all -- and 17 all of the FDA's actions in connection with 18 this -- with this area show that it understood 19 what we were talking about. 20 And the one additional piece of evidence that I would point to that I haven't 21 identified to this point, in March 2010, months 2.2 23 after the FDA issued its complete response letter, it made a public safety announcement 24 25 saying that it was continuing to study this

- 1 issue of atypical femoral fractures. It still
- 2 was not convinced that the data supported a
- 3 warning, and that doctors should continue to
- 4 prescribe in accordance with the existing
- 5 label.
- 6 That shows, again, that FDA -- the FDA
- 7 was on top of this problem. It was studying
- 8 it. And it had not yet even months later
- 9 reached a belief that a warning was justified.
- 10 Given that, it was impossible for
- 11 Merck to provide one in accordance with the
- 12 purported requirements of state law.
- 13 JUSTICE GORSUCH: What do we do about
- 14 the fact that under the regulations Merck could
- have filed a CBE at any time? Does that pose a
- 16 problem for you, at least after, say, the --
- 17 the March investigation starts?
- 18 MR. DVORETZKY: It -- it -- that
- doesn't pose a problem for us. The standards
- 20 for evaluating a CBE are the same as the
- 21 standards for evaluating a PAS. It's
- 22 essentially the difference between asking
- forgiveness and asking permission. Because we
- 24 know that the FDA rejected the PAS, we also
- 25 know that a CBE would not have been authorized

- 1 either, and, again, that's what establishes
- 2 impossibility preemption.
- JUSTICE GORSUCH: Perhaps I'll spot
- 4 you that with respect to -- for purposes of
- 5 this question before the March 2010 letter, but
- 6 what about after that? Once it starts
- 7 launching an investigation into the product,
- 8 the task force period, what do we do about that
- 9 period?
- 10 MR. DVORETZKY: Well, I think the
- 11 point, though, is that in March 2010, what the
- 12 FDA said is that it was waiting on the task
- 13 force report. Nothing had yet changed. It
- 14 just said that it was studying the information.
- When the task force report came out,
- 16 that's when the FDA acted and said now we are
- 17 -- now we believe that a warning is justified,
- and it initiated its 355(o)(4) process. If
- 19 that's what the FDA -- if the FDA had thought
- that a warning were justified earlier, that's
- 21 what it would have done. It would not have
- issued this complete response letter.
- 23 If I may reserve the remainder of my
- 24 time.
- 25 CHIEF JUSTICE ROBERTS: Thank you,

1	counsel.
2	Mr. Stewart.
3	ORAL ARGUMENT OF MALCOLM L. STEWART
4	FOR THE UNITED STATES, AS AMICUS CURIAE,
5	SUPPORTING THE PETITIONER
6	MR. STEWART: Mr. Chief Justice, and
7	may it please the Court:
8	I'd like to begin by addressing an
9	issue that both Justice Kagan and Justice
10	Gorsuch have touched on, and I think it's
11	important to distinguish between two potential
12	types of confusion.
13	The first is that, in October of 2010,
14	when the FDA ultimately decided that an
15	addition to the warnings and precautions
16	section of these labels was warranted, it
17	rejected Merck's proposal that the warning
18	include repeated uses of the term "stress
19	fracture".
20	And FDA did express at that time the
21	concern that practitioners, for whom that term
22	usually connoted a relatively minor event,
23	might read it as understating the seriousness
24	of the potential health risk of Fosamax.
25	That potential type of confusion needs

- 1 to be distinguished from the question, was FDA
- 2 confused by Merck's submission as a whole? And
- 3 there's no reason to think that that was so.
- 4 At page 670 of the Joint Appendix,
- 5 Merck kind of, in the introductory section of
- 6 its proposal, summarizes what it's -- the
- 7 warning that it's proposing to add, and it says
- 8 at the very top of the page: Merck is
- 9 proposing to add language to both the
- 10 precaution and adverse reaction post-marketing
- 11 experience section of the label to describe
- 12 low-energy fractures that have been reported,
- of which some have been stress insufficiency at
- 14 the subtrochanteric region of the femoral
- 15 shaft. So --
- 16 CHIEF JUSTICE ROBERTS: I'm sorry.
- 17 What page is that again?
- 18 MR. STEWART: Page 670 of the Joint
- 19 Appendix.
- 20 CHIEF JUSTICE ROBERTS: Thank you.
- 21 MR. STEWART: And so Merck was making
- 22 clear that the language it was proposing to add
- 23 both to the warnings and precaution section and
- 24 the adverse reactions section proposed to
- 25 address the same risk.

Т	And, indeed, the language that it
2	proposed to add to the adverse reactions
3	section included a cross-reference to the
4	proposed warnings and precaution section,
5	again, reinforcing this.
6	The second thing I'd like to point out
7	in that regard is what my colleague was
8	referring to as the Merck's own explanation
9	for its use of the term "stress fracture".
LO	Merck explained at page 746 of the Joint
L1	Appendix in its proposal that it was using the
L2	term as an umbrella term to refer to fractures
L3	that could be partial or complete. The
L4	distinguishing event was that they occur
L5	without external trauma.
L6	And so it's not a matter of something
L7	being a serious fracture or a stress fracture.
L8	The term "stress fracture" encompasses both
L9	serious and relatively minor fractures. Again,
20	FDA's concern ultimately was that practitioners
21	who were used to seeing the term in connection
22	with minor events might misconstrue it.
23	But FDA understood it to refer more
24	generally to any fracture that was caused
25	without external trauma.

Т	JUSTICE RAGAN: But now are we to
2	understand, Mr. Stewart, like what FDA
3	understands at any given moment? In other
4	words, what are we to look to when we decide
5	whether it's impossible for Merck to change its
6	label?
7	Because one easy way of thinking about
8	whether it's impossible for Merck to change its
9	label is to say: Did the FDA tell Merck that
10	it couldn't change its label in the relevant
11	way? If the FDA told Merck that, then it's
12	impossible.
13	But, if the FDA didn't tell Merck
14	that, whatever is in the FDA's head, if the FDA
15	didn't tell Merck that, then it's not
16	impossible for Merck to change its label, and
17	it has responsibility over its label, and to
18	the extent that it thinks that the literature
19	supports a change, it should change its label.
20	MR. STEWART: Well, let me say two or
21	three things about that. The first is you look
22	first and foremost to the letter itself, and it
23	would obviously have been better if the letter
24	had stated without ambiguity the reason we are
25	rejecting your proposed addition to the

- 1 warnings and precaution section is that we
- 2 don't think there is sufficient evidence of
- 3 causation to warrant inclusion of this health
- 4 risk in this particular portion of the label.
- 5 That would have been better. Given
- 6 that the letter that --
- 7 JUSTICE KAGAN: Right. That would
- 8 have been better, and it would have been
- 9 enough, right? We wouldn't -- we wouldn't be
- 10 here?
- MR. STEWART: Exactly.
- 12 JUSTICE KAGAN: Or maybe we would, but
- it would be an easy case, Merck would win?
- 14 MR. STEWART: Right. But, failing
- that, failing an unambiguous letter, the Court
- should construe the letter in light of Merck's
- 17 submission, in light of the surrounding
- 18 statutory and regulatory scheme, and in light
- of FDA's subsequent --
- JUSTICE SOTOMAYOR: Why?
- 21 MR. STEWART: -- subsequent actions.
- JUSTICE SOTOMAYOR: Why? Merck is a
- 23 manufacturer of a drug. It has a tort duty to
- 24 ensure that its drugs are either safe or that
- 25 adequate warnings are given when it's not.

1 The Act does not take away that 2 responsibility. It does say that you have to 3 get approval from the FDA. But, if there's any 4 ambiguity, given that we're already creating 5 something that doesn't exist, impossibility preemption, why shouldn't we take it at its --6 7 at its face? MR. STEWART: Well, for --8 9 JUSTICE SOTOMAYOR: Until the FDA says no, if you're a manufacturer who understands 10 there's a serious risk to a drug, shouldn't you 11 12 continue to try everything possible, including 13 making the corrections that you were told to 14 make, including doing what the task force did, 15 telling the FDA you're wrong? 16 Instead, what Merck did was say, I'm 17 absolved, I don't have to make the changes, I 18 don't have to talk to them anymore, I just have 19 to let them -- "them" being the FDA -- figure 20 out what to do. 21 Seems to be sort of turning 2.2 responsibility on its head. 23 MR. STEWART: Well, as you say, an 24 important feature of the statutory and 25 regulatory scheme is that, while the

- 1 manufacturer has responsibility for its label,
- 2 it can make changes only with FDA's approval.
- JUSTICE SOTOMAYOR: Not true. It
- 4 could go the other route and make the change
- 5 itself and wait for the FDA to tell it it's
- 6 wrong.
- 7 MR. STEWART: That's true. But the --
- 8 the reason that FDA sometimes disapproves
- 9 proposed additions to warnings and precautions
- or to other aspects of the label is not simply
- 11 that it regards the warnings as unnecessary.
- 12 FDA has expressed a concern about the potential
- ill effects of over-warning; that is, if a
- 14 label contains information about every possible
- 15 health risk or every bad thing that has ever
- happened to a person who used the drug, people
- may be deterred from using a drug that would
- 18 actually be useful.
- 19 The really important warnings tend to
- 20 get drowned out. So --
- JUSTICE SOTOMAYOR: So what happens
- 22 here to the incentive for manufacturers to
- 23 continue working expeditiously with the FDA to
- 24 effect changes when they're necessary?
- 25 MR. STEWART: Well, our -- our point

- 1 is that if the better reading of the letter, if
- 2 the better understanding of FDA's intent is
- 3 that it rejected the proposed addition because
- 4 it felt that the medical evidence wasn't there,
- 5 then for -- any preemption regime that would
- 6 create an incentive for Merck nevertheless to
- 7 add the warning through the CBE process and
- 8 wait for FDA to disapprove it would, in our
- 9 view, be counterproductive. It would create
- 10 the incentive for the type of over-warning that
- 11 FDA would like to discourage.
- 12 JUSTICE KAGAN: But if I --
- JUSTICE ALITO: So what would happen
- if -- if the FDA had said in response -- in the
- 15 complete response letter the medical evidence
- 16 is insufficient and then Merck turned around
- 17 within a short period of time and filed a -- a
- 18 CBE relating to the same thing? What would the
- 19 FDA have done?
- 20 MR. STEWART: I think it would surely
- 21 have disapproved it. And it would have been
- inappropriate for Merck to proceed in that way
- 23 because the CBE process is supposed to be
- invoked only when there is new evidence that
- 25 the FDA hasn't previously considered.

```
1
               And if the FDA had said, in response
 2
      to the PAS application, we don't think the
 3
      medical evidence is there, then, unless some
 4
      substantial body of new medical evidence had
 5
      emerged during the interim, it would have been
      inappropriate for Merck to use the CBE route
 6
      and it would be inevitable that FDA would
 7
 8
      disapprove it.
 9
               JUSTICE KAGAN: I -- I take it --
               JUSTICE SOTOMAYOR: Could --
10
               JUSTICE KAGAN: -- Mr. Stewart, you're
11
12
      saying two things. There are sort of two
13
      points on a spectrum that you're pretty clear
14
      about. One is, if FDA had told them, we just
15
      don't think -- we understand that this proposal
16
      is about major risks and we don't think that
17
      there's enough evidence in the literature to
      support that, that's -- that's easy, Merck
18
19
      doesn't change its label, and there can't be
20
      suit against Merck.
21
               On the other hand, suppose that the
2.2
      FDA -- and I -- I -- I understood this to be
23
      your point -- suppose that the FDA had said,
      you know, what's the -- the real problem with
24
25
      your label is that you're talking about stress
```

- 1 fractures, and we think that the issue is these
- 2 major fractures, and that's why we're rejecting
- 3 it, and we're going to continue to be
- 4 considering the possibility of major fractures.
- If the FDA had said that clearly,
- 6 Merck is not off the hook. Would you agree
- 7 with that?
- 8 MR. STEWART: I -- I would agree with
- 9 that with this caveat: That you would expect
- 10 the -- the letter -- given that the
- 11 documentation in Merck's submission included a
- 12 lot of information about the more serious type
- of fracture, even if FDA was concerned about
- 14 the wording of the label, you would expect it
- to express a view one way or the other as to
- 16 whether there was sufficient evidence of
- 17 causation.
- 18 JUSTICE KAGAN: It -- it doesn't know
- 19 yet, let's assume. So this is something that
- 20 it just doesn't know yet. And -- and it's
- 21 rejecting the letter for another reason.
- Now you might expect that FDA would
- 23 continue to work with Merck about the major
- 24 fractures. You might expect a lot of things.
- 25 But the only thing that the FDA has told Merck

- 1 is we don't like this label that you've done
- 2 about stress fractures because we really think
- 3 stress fractures are not a problem.
- 4 MR. STEWART: I guess, if FDA had said
- 5 that unambiguously, it wouldn't trigger
- 6 impossibility, but it seems very unlikely and
- 7 really inconsistent with the statutory and
- 8 regulatory scheme to suppose that FDA would do
- 9 that, that it would receive a submission about
- 10 the risks of these more serious fractures and
- 11 yet would make no determination, even if -- in
- its own mind as to whether that risk was
- 13 sufficiently severe, whether the evidence of
- 14 causation was sufficient to warrant an
- 15 additional warning.
- 16 JUSTICE KAGAN: Wait, I quess you're
- 17 changing my -- my -- you know, I meant this to
- 18 be a hypothetical, where you could assume a
- 19 hypothetical on both sides, right, where the
- 20 language was sufficiently clear of what FDA was
- 21 doing, that it either would or wouldn't take
- 22 Merck off the hook.
- 23 My real question for you is suppose
- 24 we're not at either one of those worlds.
- 25 Suppose we have an ambiguous letter. Who

1 should decide how to construe it? 2 MR. STEWART: I think the Court 3 ultimately should construe it but should 4 construe it in light of the statutory and 5 regulatory scheme, which would have compelled FDA to initiate the process for changing the 6 7 label if it had determined that the evidence of causation was sufficient to support an addition 8 9 of some warning to the warnings and precaution 10 section. 11 CHIEF JUSTICE ROBERTS: Thank you, 12 counsel. 13 Mr. Frederick. 14 ORAL ARGUMENT OF DAVID C. FREDERICK 15 ON BEHALF OF THE RESPONDENTS 16 MR. FREDERICK: Thank you, Mr. Chief 17 Justice, and may it please the Court: 18 Our position is that brand-name drug 19 makers are responsible at all times for keeping their labels up to date. If the FDA rejects an 20 inadequate warning, or is uncertain about 21 2.2 whether and how to mandate a proper warning, those federal decisions do not make it 23 impossible for Merck to comply with state law 24 25 duties to market safe drugs.

I'd like to start, if I could, with 1 2 Section 355(0)(4)(I), which is set forth in the 3 addendum to the red brief on page 8. 4 provision explains why it is not impossible for 5 Merck to provide an adequate warning of atypical femoral fractures prior to 2010 when 6 7 the FDA mandated a label change. It's the manufacturer's responsibility 8 to maintain its label. So, Mr. Chief Justice, 9 in answer to your question about the back and 10 11 forth, all that demonstrates is that, at best, 12 FDA was uncertain about exactly what Merck was proposing. But this statutory provision, which 13 14 is barely discussed at all on the other side's 15 written presentations in this case, makes it 16 clear that even when FDA got the power in 2007 17 for the first time in 60 years to mandate a proper warning, the manufacturer, nonetheless, 18 19 is always responsible for keeping its label up 20 to date. JUSTICE ALITO: Well, is it your 21 argument now that -- that Merck is -- Merck 2.2 23 became liable at some point after the issuance 24 of the complete response letter or on the day 25 after the issuance of the complete response

1 letter? 2 MR. FREDERICK: Our position, Your 3 Honor, is that the complete response letter in 4 a sense doesn't affect the underlying duties at 5 all because the -- the warning that was 6 proposed was an inadequate warning. JUSTICE ALITO: What if -- but what if 7 the -- the FDA had said the wording of your --8 of your warning is bad because this term 9 "stress fracture" is misleading, but beyond 10 11 that, the data does not support any warning 12 relating to low-energy femoral fractures? 13 MR. FREDERICK: I think it's important 14 to keep in mind what the regulatory duty of the 15 agency's --16 JUSTICE ALITO: Well, what would --17 MR. FREDERICK: The answer to that is that it -- that likely points stronger in the 18 direction of preemption, but please look at 19 Section 314.110(a)(1) of the regulations 20 because that regulation tells the FDA in its 21 2.2 complete response letter you have to give a 23 full answer, a full justification because 24 that's part of the back and forth, the give and

take with the manufacturer.

```
1
               And so, Justice Gorsuch, to your
 2
      question about the moral hazard, it's not just
      if the manufacturer deliberately misleads the
 3
 4
      FDA by putting in. It's also if -- if the
 5
      company is negligent and doesn't fully
      understand itself.
 6
 7
               I would ask you to look at the amicus
      brief by Dr. Lane in this case. Dr. Lane was a
 8
      consultant for Merck in 2008 prior to Merck
 9
      submitting its PAS. What Dr. Lane says is that
10
11
      surely by that time Merck would have had enough
12
      information to have prepared an adequate
13
      warning about these atypical femoral fractures.
14
               JUSTICE GORSUCH: Well, Mr. Frederick,
15
      let -- let's say I buy at least part of what
16
      you're selling, for purposes of this question,
17
      that the complete response letter and, what is
18
      it, 355(0)(4) --
19
               MR. FREDERICK: (I).
20
               JUSTICE GORSUCH: -- doesn't -- thank
21
      you -- doesn't completely answer our question.
2.2
               We have, though, the March 2010 safety
23
      statement from the FDA which pretty clearly
      says that they do not think that there is
24
25
      science enough to support a causal link between
```

- 1 the drug and atypical femoral fractures. So
- whatever was missing in the complete response
- 3 letter from the FDA seems to come in March of
- 4 2010.
- 5 Why shouldn't we read the complete
- 6 response letter in light of the March 2010
- 7 safety --
- 8 MR. FREDERICK: Again, we're getting
- 9 into the agency musings of the type that
- 10 Justice Thomas very eloquently wrote about in
- 11 Wyeth versus Levine, which is it is not
- impossible for the manufacturer to have done
- 13 the right thing. What Dr. Lane says --
- JUSTICE GORSUCH: Well, you and I will
- not dispute the elegance of Justice Thomas's
- 16 opinion in Wyeth.
- 17 (Laughter.)
- JUSTICE GORSUCH: But I'm not sure
- 19 that helps me very much.
- 20 (Laughter.)
- 21 JUSTICE GORSUCH: And -- and in all
- 22 seriousness, if -- if there's some ambiguity
- about the warning letter, about the complete
- 24 response letter, isn't that resolved by the
- 25 FDA's own statement against interest, perhaps,

- 1 months later, why doesn't that tell us exactly
- 2 what it was up to?
- 3 MR. FREDERICK: Because the standard
- 4 is lower. And if you look at that press
- 5 release in March of 2010, when the FDA uses the
- 6 phrase "causal connection", that's not what the
- 7 regulatory standard is. We set out the
- 8 regulatory standard on page 6 of our brief.
- 9 And that is a much lower one.
- 10 When it's for the precaution letter,
- it's to provide reasonable evidence of a causal
- 12 relationship or causal association. Reasonable
- evidence is something that Dr. Lane knew in
- 14 twenty -- 2008, and was urging Merck to provide
- 15 a better explanation.
- 16 And that's why on page 17 of
- 17 Dr. Lane's amicus brief here he says what FDA
- 18 needed was "a medically accurate education."
- JUSTICE GORSUCH: Well, and that's why
- it set up the task force at the same time to go
- 21 study the issue, and it said up to that point
- 22 we don't have enough, but we're going to go
- 23 study it.
- MR. FREDERICK: And --
- 25 JUSTICE GORSUCH: And so why isn't

- 1 that -- tell us everything we need to know
- 2 about what its complete response letter was
- 3 about, as a matter of law?
- 4 MR. FREDERICK: Because, Justice --
- 5 Justice -- Justice Gorsuch, that's the whole
- 6 point of impossibility preemption. Are we
- 7 going to let Dr. Monroe, who is five layers
- 8 down from the only Presidentially-appointed
- 9 person at the FDA, write a letter that
- 10 displaces huge swaths of state law?
- 11 Now what -- what the SG is arguing
- 12 here is that we should interpret -- the better
- 13 reading of this, the -- the -- the back and
- 14 forth, the full record should inform the
- 15 meaning of this letter.
- 16 But impossibility preemption, as Wyeth
- versus Levine held, is a "demanding defense."
- 18 JUSTICE ALITO: Well, that's not
- 19 really -- I mean, are you really serious about
- 20 that argument? What would be preemptive is not
- 21 the letter. What would be preemptive is what
- 22 FDA would do. And that -- that's the question.
- The only argument relating to the
- 24 safety -- the safety announcement is that it
- 25 informs, it helps to tell us what FDA meant

- 1 when it said no, you cannot add a warning to
- 2 this label.
- 3 MR. FREDERICK: Justice Alito, we know
- 4 the answer when Merck proposes an inadequate
- 5 warning. That was rejected.
- 6 We don't know the answer to the
- 7 question that Wyeth versus Levine poses, which
- 8 is what would have happened had Merck proposed
- 9 an adequate warning.
- JUSTICE BREYER: Why don't we? I -- I
- 11 think that was Justice Gorsuch's --
- MR. FREDERICK: And the reason why we
- don't, and, again, I'm going to go back to
- 14 Dr. Lane, we have nothing in this about the
- 15 duration of --
- 16 JUSTICE BREYER: What page, by the
- 17 way, if you happen to have it in your head,
- 18 what page is -- not that, but the response
- 19 letter?
- 20 MR. FREDERICK: The response letter is
- 21 at page 511 --
- JUSTICE BREYER: Well done, well done.
- 23 MR. FREDERICK: -- of the Joint
- 24 Appendix, 511 to 512.
- 25 JUSTICE BREYER: Thank you very much.

- 1 Okay. The other question, technical, is, is a
- 2 -- what is it called -- the atypical femur
- 3 fracture, is that a subset of stress fractures?
- 4 MR. FREDERICK: What Dr. Lane explains
- 5 is that an atypical femoral fracture may have
- 6 an origination as a stress fracture, but it
- 7 sort of goes off in a completely different
- 8 direction.
- 9 JUSTICE BREYER: That's all right.
- 10 But okay. So somebody in stress fractures,
- 11 they use that word, they might mean atypical
- 12 femur fracture plus others. It's too broad, in
- other words, it's too broad. Okay. Got that.
- 14 That's helpful. Now, when --
- JUSTICE KAGAN: Well, it's also too
- 16 narrow.
- 17 JUSTICE BREYER: A stress fracture, I
- 18 thought, from what you just said, that those
- words used in Merck's application are too broad
- 20 because it is a subset of those. Now which is
- 21 it?
- MR. FREDERICK: It's inaccurate. It's
- 23 too broad --
- 24 JUSTICE BREYER: Well, but is it --
- 25 MR. FREDERICK: -- and too narrow.

1 That's the problem. So -- so what -- what --2 JUSTICE BREYER: That's very, very 3 diplomatic. 4 (Laughter.) 5 JUSTICE BREYER: But this is my actual -- where I -- where I'm leading. 6 7 MR. FREDERICK: No --JUSTICE BREYER: I'm leading to this, 8 9 that, when you talk about the standard, drugs are important to people. They cure millions, 10 or thousands anyway, of people who need to be 11 12 cured or helped. 13 Now, when you put on, and at the same time there will be a smaller subset that can be 14 15 hurt, so our solution to that is labels. 16 Now, when you say displacing state law 17 or something, you're talking like a lawyer, which is what you're supposed to do, but what 18 19 worries me is, if you go too far in allowing 20 the tort jury to find mislabeling by not including things, you are hurting the vast 21 2.2 majority of -- of women here or -- or whatever who can benefit from this medicine. 23

enough, you will hurt that minority. Now

24

25

On the other hand, if you don't go far

- 1 that's the general framework in which I'm
- 2 trying to figure out the answer to the
- 3 question. And that's why Justice Gorsuch's
- 4 question was -- was quite relevant.
- 5 All the earmarks here are that Merck
- 6 took this as a letter saying we're not certain
- 7 enough this is really going to hurt people and
- 8 we don't want you to put it on.
- 9 Now, obviously, somebody must have
- 10 picked up the phone when they got that letter
- and they must have phoned somebody in FDA and
- 12 say: Do you really mean that? What do you
- 13 mean? Because I can change those words,
- 14 "stress fracture," in two seconds. Or do you
- mean you don't know enough about it?
- 16 Now the appointment of the later task
- 17 force suggests that they felt they didn't know
- 18 enough about it, and, therefore, Merck couldn't
- 19 have done it.
- Now that's -- that's -- I'm looking
- 21 for your answer. I put out a pretty abstract
- 22 and --
- MR. FREDERICK: Yes.
- 24 JUSTICE BREYER: -- somewhat specific
- 25 but more abstract question. I would like you

- 1 to react.
- 2 MR. FREDERICK: Let's -- let's not
- 3 look at what the lawyers knew. Let's look at
- 4 what the scientists knew. Merck's
- 5 scientists -- and this is on page 515 of the
- 6 Joint Appendix -- they knew exactly what the
- 7 FDA was rejecting.
- 8 They said in their internal back and
- 9 forth the FDA doesn't like our "stress
- 10 fracture" wording, okay? Those scientists had
- 11 been interacting with Dr. Lane, who a year
- 12 earlier had said: These are a special type of
- fracture which don't exist in the general
- 14 population.
- Ninety plus percent of all people who
- 16 get an atypical femoral fracture are on a
- 17 bisphosphonate.
- 18 CHIEF JUSTICE ROBERTS: I understood
- 19 these -- Mr. Stewart to say it is a particular
- 20 type of fracture, it's a particular type of
- 21 stress fracture, and that the FDA understood
- the use of that term to be broad enough to
- 23 include the atypical fractures as well.
- 24 MR. FREDERICK: That's not accurate.
- 25 CHIEF JUSTICE ROBERTS: That's not

- 1 what he said?
- 2 MR. FREDERICK: I don't know if that's
- 3 what he said, but we would dispute whether
- 4 that's correct. And the reason is because, if
- 5 you look at Dr. Burr's expert report, which is
- 6 in the Joint Appendix, and if you look at
- 7 Dr. Lane's amicus brief, they say this is a
- 8 very specialized form of fracture that
- 9 generally doesn't occur in the general
- 10 population.
- 11 CHIEF JUSTICE ROBERTS: But you -- you
- 12 -- you agree that the question is what the FDA
- 13 understood, right?
- 14 MR. FREDERICK: I think that that
- 15 question comes second, respectfully, Mr. Chief
- 16 Justice.
- 17 The first question is, what did the
- 18 manufacturer know or should have known at a
- 19 particular point in time? And then the next
- 20 question is, what did the FDA understand about
- 21 that? Because, if you take the statute that I
- 22 started my argument with, it's always on the
- 23 manufacturer to stay up to date.
- Remember, the manufacturer has
- 25 superior information about these drugs to the

- 1 FDA. The budget of the FDA's drug safety
- 2 division was less than the annual sales of this
- 3 very drug. And so you're talking about a
- 4 massive resource disparity between what the
- 5 agency has and what the drug manufacturer has.
- 6 CHIEF JUSTICE ROBERTS: Well, but what
- 7 we're talking about is what -- what they told
- 8 the FDA, what the FDA understood. And if when
- 9 they told the FDA about -- and we have the
- 10 different citations to the Joint Appendix from
- 11 your -- your friend on the other side -- about
- 12 the -- the notion that stress fracture included
- 13 the things -- the atypical fractures, and if
- that's what Merck understood, they gave to the
- 15 FDA what they had. And if that's what the FDA
- 16 understood, that's how we should interpret the
- 17 FDA's response.
- 18 MR. FREDERICK: And, Mr. Chief
- 19 Justice, as a matter of preemption law where
- 20 we're invoking the Supremacy Clause of the
- 21 United States Constitution to say that federal
- 22 law is going to displace state law, we
- shouldn't be engaging in some musings or some
- interpretation about a low-level civil servant
- 25 at the FDA and what that --

1 JUSTICE BREYER: They're not low-level 2 civil servants. CHIEF JUSTICE ROBERTS: I -- I don't 3 4 understand your response. I understand the 5 Supremacy Clause and state law, but the question is, what was being communicated to the 6 7 FDA? So how is it -- how should they have 8 read and how did the FDA understand their own 9 response? And we know the answer to that 10 11 because we're hearing about it from the 12 government's counsel today. 13 MR. FREDERICK: So I'll read to you 14 from page 515 of the Joint Appendix. This is 15 the Merck scientists who have just received the 16 complete response letter. They say: "However, 17 FDA" -- "it believed that our justification to 18 support the proposed precaution text was inadequate. It believes that 'stress 19 20 fractures' may not be clearly related to atypical subtrochanteric fractures." 21 2.2 So the scientists are interpreting the 23 complete response letter to say the "stress fracture" language that we offered is 24 25 inadequate. The FDA has rejected that

- 1 language. 2 And the reason why the wording matters 3 is because, as we've pointed out in our brief 4 -- and I think it's at page 41, Footnote 20 --5 page 40, Footnote 21 -- there's a lot of back and forth between drug companies and the FDA 6 7 over the wording. Why? Because the FDA understands that the wording has to properly 8 educate doctors about the risks associated with 9 10 these drugs. 11 And if the doctors can't understand 12 the gravity of a warning where one of their 13 patients may be walking down the street and 14 have her femur snap, that's what we're trying 15 to get at the proper wording of these labels. 16 And that's why Congress --
- 17 JUSTICE SOTOMAYOR: Could you --
- JUSTICE ALITO: The thing -- what Mr.
- 19 --
- 20 MR. FREDERICK: -- made the decision
- 21 to --
- JUSTICE ALITO: I'm sorry. Go ahead.
- MR. FREDERICK: That's why Congress
- 24 made the decision to keep the manufacturer at
- 25 all times.

1 JUSTICE ALITO: What Mr. Stewart cited 2 was page 746 of the Joint Appendix, where Merck defines a stress fracture in this way: 3 4 stress fracture (also known as an insufficiency 5 fracture) is defined as a partial or complete fracture occurring with either normal or 6 7 increased activity but without an identifiable external traumatic event." 8 Now does not that encompass a -- the 9 type of fracture that you're talking about? 10 11 MR. FREDERICK: Not really. 12 JUSTICE ALITO: Well, it says "or 13 complete." 14 MR. FREDERICK: It does, Justice 15 Alito. But the question is, if you are an FDA 16 scientist who has been looking at the studies, 17 are you going to let Merck redefine what a 18 stress fracture is? Dr. Lane in his amicus 19 brief says, no, no, no, that's not what a stress fracture is. That is an inaccurate, a 20 medically inaccurate, definition. It's --21 2.2 JUSTICE ALITO: Yeah, well, that's 23 fine, but this is what -- you know, in very simple terms, this is what troubles me about 24 25 your argument. This is not a situation, I

- 1 think, where Merck is proposing to warn about
- one thing and the data shows that there's a
- 3 danger about something that's totally
- 4 unrelated, and, therefore, the FDA may not
- 5 focus on this second thing, like Justice
- 6 Kagan's example of -- perhaps of ovarian cancer
- 7 and ovarian cysts -- cysts.
- 8 But, if the FDA sees this proposed
- 9 warning and they think this -- the -- the
- wording here is bad, they shouldn't be talking
- 11 about stress fractures, but we look at the data
- 12 and we see that there is something that should
- 13 be labeled differently and it should be --
- there should be a warning about that, it would
- 15 -- it would shock me if the -- what the FDA
- should do in that situation is to say: Well,
- 17 you know, you got the warning wrong and so
- we're not going to issue it and we're going to
- do -- we're going to prohibit that, but we're
- 20 not going to do anything more.
- 21 If they understood that there was a
- 22 danger of something else that is at least
- 23 related to what the manufacturer was proposing
- to warn about, surely the public would expect
- 25 them to do something.

1 MR. FREDERICK: And, Justice --2 JUSTICE ALITO: That's what troubles 3 me --4 MR. FREDERICK: Yeah, and --5 JUSTICE ALITO: -- about your 6 argument. 7 MR. FREDERICK: Well, Justice Alito, if you look further into the record of what 8 9 happened here, there's an April 2009 email chain between the FDA and Merck in which FDA 10 11 says it wants to "work with Merck on precautions language" if it is warranted. 12 13 It's still trying to understand, because these are a specialized, highly unique 14 15 set of injuries here. 16 JUSTICE KAGAN: Right. So suppose, 17 Mr. Frederick, that the best reading of what 18 happened here is that the FDA looks at this 19 letter and it says -- this proposal, and it 20 says this is a terrible proposal; whatever the problem is, the problem is not stress fractures 21 2.2 and -- and so we're going to reject that. But 23 we do think that there is an issue -- and we don't know the answer to it yet -- we do think 24 25 that there's an issue about this -- these more

- 1 major fractures.
- 2 And -- and you see this because,
- 3 eventually, they do a task force and they --
- 4 and then the task force decides something.
- 5 So, if the FDA is in that boat, right,
- 6 where it -- it -- it -- it -- it sends
- 7 the letter and the letter says what you've said
- 8 is just inadequate and wrong, but we don't know
- 9 yet what we're really dealing with and we don't
- 10 know whether a change in your label is
- 11 appropriate, and we're going to continue to
- 12 study that, what should the manufacturer do at
- 13 that time?
- 14 MR. FREDERICK: The manufacturer
- should continue to study the problem, should
- 16 continue to provide information to the FDA.
- 17 JUSTICE KAGAN: Should the
- 18 manufacturer change the label?
- 19 MR. FREDERICK: Possibly. It depends,
- Justice Kagan, on what the manufacturer knows
- and its understanding of the science.
- 22 Here -- let's take -- Justice Alito,
- 23 if we could follow your hypothetical a little
- 24 bit further. Suppose FDA had approved this
- label, okay? All this language about stress

- 1 fractures, that's now in the label. Our claim
- 2 can't be preempted then, right?
- JUSTICE BREYER: True. But what's
- 4 actually bothering me about the approach that
- 5 you're taking is that, in this particular area,
- 6 in this particular area of medicines, I don't
- 7 really see how we're going to benefit by 50
- 8 different states really giving different
- 9 signals to the manufacturers, and I can see a
- 10 lot of ways in which, from a health point of
- 11 view, we're going to lose.
- 12 That doesn't mean the law is wrong.
- 13 It doesn't mean -- you know, it's just a
- 14 question of emphasis. And, here, we have an
- 15 emphasis.
- The next page from the one you cited,
- 17 the FDA says in 2010, FDA's review of the data
- 18 did not show an increase in this risk, the
- 19 relevant risk, in women using these
- 20 medications.
- 21 So there are indications in this
- 22 record --
- MR. FREDERICK: Right.
- 24 JUSTICE BREYER: -- that they thought
- 25 that it is more dangerous to put the label --

- 1 to put the risk in the label than it is to
- 2 leave it out.
- 3 MR. FREDERICK: And --
- 4 JUSTICE BREYER: And then they set up
- 5 a task force and decide they were wrong.
- 6 MR. FREDERICK: And here's -- here --
- 7 this is a really interesting thing about the
- 8 task force: The FDA clearly didn't have all --
- 9 all of the relevant information, because what
- 10 the task force finds is that there are about
- 11 170 some articles that had been written on this
- 12 subject. Only five had been given to the FDA,
- or that -- that was evidence that the FDA was
- aware of.
- And so that's why the statute imposes
- 16 the duty on the manufacturer, because the
- 17 manufacturer's going to be tracking this all
- 18 over the world. There was a -- there was a
- 19 report from a -- a Merck employee in Singapore
- in 2006 who said I've now seen several of these
- 21 specialized atypical femoral fractures, I think
- 22 this could be an indication that we need a
- 23 safety signal.
- 24 And -- and, Justice Breyer, I accept
- 25 your -- your basic point, but what started this

- 1 whole thing was the first lawsuit against Merck
- 2 for these atypical femoral fractures was in
- 3 March of 2008, and that's what started this
- 4 whole back and forth. The FDA became aware of
- 5 this lawsuit and started to track what's really
- 6 going on here.
- 7 CHIEF JUSTICE ROBERTS: What if you
- 8 had a situation where, in light of the
- 9 exchanges you've talked about, Merck goes ahead
- and puts on its label, oh, and, by the way, you
- should be very careful about these atypical
- 12 femoral fractures, not -- not -- and it turns
- out that doctors say, well, gosh, if that's
- 14 going to happen, I'm not going to prescribe
- 15 Fosamax. And, as a result, that drug which is
- important for many women is no longer being
- 17 prescribed.
- Now can somebody who thinks they
- 19 should not have put that warning in be able to
- 20 sue because they gave too many warnings and
- 21 that prevented doctors from prescribing a drug
- that they otherwise should have been
- 23 prescribing?
- 24 MR. FREDERICK: So, Mr. Chief Justice,
- the answer is that the manufacturer's always

- 1 responsible for its label, but the over-warning
- 2 problem is one where the FDA is balancing these
- 3 risks and benefits at all times.
- 4 And, here, we know that wasn't a
- 5 problem.
- 6 CHIEF JUSTICE ROBERTS: Well, no, I
- 7 know you're changing the hypothetical.
- 8 MR. FREDERICK: No, but --
- 9 CHIEF JUSTICE ROBERTS: Your point, I
- 10 -- well, maybe I don't know. I gather your
- 11 answer is that the manufacturer has the
- 12 responsibility. So, if the manufacturer knows
- this, it should put in this warning and, if it
- turns out that that was over-warning, then they
- 15 can be sued for that?
- 16 MR. FREDERICK: Well, there has to be
- an injury that comes from the over-warning.
- 18 CHIEF JUSTICE ROBERTS: The injury is
- 19 that doctors are not prescribing Fosamax to
- women who would benefit from it and they're not
- 21 prescribing it because Merck put in a warning
- that the FDA would determine was over-warning.
- MR. FREDERICK: Not -- Mr. Chief
- 24 Justice, respectfully, there's not a state law
- 25 tort there. There has to be an injury because

- of the over-warning, or else there's no suit.
- 2 CHIEF JUSTICE ROBERTS: The injury is
- 3 the physician decides not to prescribe Fosamax
- 4 to a woman who would benefit from it.
- 5 MR. FREDERICK: Right. But that's not
- 6 a tort.
- 7 CHIEF JUSTICE ROBERTS: So -- so it's
- 8 a tort --
- 9 MR. FREDERICK: There's no -- there's
- 10 no state law there that says there's negligence
- in that circumstance, Your Honor.
- 12 CHIEF JUSTICE ROBERTS: Well, I
- 13 thought that -- I thought the logic would be
- 14 the same as your logic here, is that the label
- turned out to be misleading because of the drug
- 16 manufacturer's decision about what to include,
- which they should have included even though
- it's not required by the FDA. I thought that
- 19 would be the same cause of action.
- 20 MR. FREDERICK: But my point here, Mr.
- 21 Chief Justice, and let's go with a hypothetical
- 22 that the FDA had actually accepted this. Our
- 23 claim would be exactly the same, which is that
- this language about stress fractures doesn't
- 25 tell the doctor worry about the prodromal pain,

- 1 worry about how long your client has been on
- 2 bisphosphonate, worry about what the particular
- 3 features of the X-ray look like when the --
- 4 when the patient complains about this.
- 5 That wording was all in the 2010 label
- 6 that FDA mandated. It wasn't in Merck's label
- 7 in 2009.
- JUSTICE SOTOMAYOR: Mr. Frederick,
- 9 let's be -- coming down to practical, okay?
- 10 You say earlier that the Merck scientists were
- 11 saying, when they received this letter, the FDA
- 12 doesn't like our language.
- 13 What do you suggest Merck could have
- done without changing its label until the FDA
- would have approved it? And why do you believe
- 16 that you can convince a jury that, if they had
- done it your way, the FDA would have accepted
- 18 the new label?
- 19 MR. FREDERICK: Well, as a regulatory
- 20 matter, let's start with the law first. The
- 21 CBE regulation gives the manufacturer the right
- 22 to change its label, subject to rescission by
- 23 the FDA.
- 24 That never happened here because Merck
- 25 never proposed an adequate warning.

```
1
               JUSTICE SOTOMAYOR: Well, we know that
 2
      the FDA -- assuming the theory that the FDA
 3
      doesn't believe the label is adequate, what
 4
      could they have done --
 5
               MR. FREDERICK: They could --
 6
               JUSTICE SOTOMAYOR: -- absent the
 7
      study?
 8
               MR. FREDERICK: They --
 9
               JUSTICE SOTOMAYOR: Meaning because
      the study obviously changed the FDA's mind.
10
      You're saying, you, Merck, could have done it.
11
12
               MR. FREDERICK: Yes. There was plenty
13
      of information by that point, Justice
14
      Sotomayor, and Dr. Lane goes through this, he
15
      goes through the chronology. It's a
16
      beautifully done amicus brief to explain what
17
      the scientists knew and when they knew it and
18
      by --
19
               JUSTICE SOTOMAYOR: And that wasn't
20
      communicated by Merck to the FDA? Is that what
21
      you're saying?
2.2
               MR. FREDERICK: Yes. What -- what Dr.
23
      Lane says -- and Dr. Lane is a Merck
      consultant, okay, in the summer of 2008. He's
24
25
      writing an amicus brief on our side of the case
```

- 1 because he doesn't believe that Merck gave
- 2 "medically accurate education" to the FDA about
- 3 these fractures.
- 4 He's the one who had coined the term
- 5 "Fosamax fracture" because, in all of his years
- of osteology, he had not encountered these
- 7 kinds of fractures until he had patients coming
- 8 to him who were on this drug.
- 9 JUSTICE ALITO: Mr. Frederick, you
- 10 want us to affirm the decision of the Third
- 11 Circuit?
- 12 MR. FREDERICK: You should affirm the
- judgment because the judgment was correct,
- 14 summary judgment for Merck was not warranted.
- 15 JUSTICE ALITO: Uh-huh. And so then
- 16 the issue should be decided -- the juries in
- 17 these cases should decide whether the FDA would
- 18 have approved this --
- MR. FREDERICK: We take the position
- 20 --
- 21 JUSTICE ALITO: -- based on that Merck
- 22 would have to prove to a jury by clear and
- convincing evidence that the FDA would not have
- approved an appropriate warning?
- MR. FREDERICK: We agree with Merck

- 1 that, because of the complete response letter
- 2 back and forth, we -- we think that that -- and
- 3 we argued this, I argued this in the Third
- 4 Circuit, was a legal document that a judge can
- 5 interpret. We believe that, based on a sound
- 6 interpretation of the letter, it doesn't prove
- 7 impossibility.
- 8 JUSTICE KAGAN: So -- so are you
- 9 saying that you think that the question is, was
- 10 there official action by the FDA that prevented
- 11 Merck from changing its label?
- 12 MR. FREDERICK: And the answer to --
- 13 JUSTICE KAGAN: Is that the test in
- 14 your view? Is there official action by the FDA
- that prevented Merck from changing its label?
- MR. FREDERICK: To make an adequate
- 17 warning, that's important, Justice Kagan,
- 18 because the warning that the FDA has to reject
- 19 has to be adequate to address the risks under
- 20 state law.
- 21 JUSTICE KAGAN: Correct. Okay. So
- that's what I was assuming. But that's the
- 23 question. And that's a legal question, is that
- 24 correct?
- 25 MR. FREDERICK: It is a legal

- 1 question, but it has factual components.
- 2 JUSTICE KAGAN: But a judge can decide
- 3 that question.
- 4 MR. FREDERICK: A judge can decide the
- 5 core legal question, but in all constitutional
- 6 questions, there are usually fact issues, and
- 7 we consign those to juries to decide what the
- 8 fact issues --
- 9 JUSTICE BREYER: Not always. There
- 10 are a lot of mixed issues where, because
- they're predominantly legal, the judge does it;
- 12 patents, for example, Markman is a case of
- that, and does coerced confessions. I mean,
- 14 there are a number.
- 15 MR. FREDERICK: As I said --
- 16 JUSTICE BREYER: It seems to me that
- this is in that number because it's
- 18 predominantly a legal question and there could
- 19 be factual disputes on the brute facts. But,
- 20 here, I don't think there are really.
- 21 MR. FREDERICK: I think that the one
- 22 disputed fact here that has sort of surfaced as
- 23 a result of the argument today is, what does
- the phrase "low energy" mean?
- 25 Merck and SG have taken the position

- 1 that "low energy" encompasses atypical femoral
- 2 fractures. Dr. Lane says actually that's not
- 3 accurate.
- And so, to the extent that there's a
- 5 debate between experts over the meaning of
- 6 particular scientific terms, judges, just --
- 7 Justice Breyer can certainly decide that, but
- 8 so can juries.
- 9 JUSTICE BREYER: I believe they do,
- 10 but, normally, there's a factor, there are a
- 11 set of factors classically when it's a mixed
- 12 question of fact and law, and one of the
- 13 factors is sometimes who will do it better, at
- 14 least as I interpret it.
- MR. FREDERICK: And, as I say, we --
- we briefed the case. In light of this Court's
- 17 cases about constitutional issues, we don't see
- 18 that there's something special about the
- 19 preemption provision or the Supremacy Clause
- 20 that would take it out of the normal
- 21 fact-finding ambit of juries.
- But I would say that, if you don't
- agree with me on that, you still have to affirm
- 24 and instruct the court below, in fact, this is
- 25 going to be a legal question that judges are

- 1 going to decide.
- 2 That does not affect the outcome of
- 3 the case here. Summary judgment for Merck was
- 4 improper.
- 5 JUSTICE ALITO: I'm confused. So you
- 6 want us to say there is no preemption? You
- 7 want us to say that Merck wasn't entitled to
- 8 summary judgment on the issue of preemption?
- 9 Which of the two?
- 10 MR. FREDERICK: Merck was not entitled
- 11 to summary judgment.
- 12 JUSTICE ALITO: Yeah, but you want to
- 13 alter the judgment of the Third Circuit by
- 14 saying that it was -- it was wrong in -- in
- saying this should be submitted to a jury, that
- it's a factual question to be submitted to a
- 17 jury?
- 18 MR. FREDERICK: As I say, I think
- 19 there are fact questions here. But, Justice
- 20 Alito, my brief argues that summary judgment
- 21 for Merck was improper. Because of the
- 22 extremely bizarre way this case came up on a
- 23 motion -- on an order to show cause, there
- weren't even cross-motions for summary
- 25 judgment, which occurs in 99.999 percent of all

- 1 cases.
- 2 So we're talking about how do you
- 3 handle a wrong district court judgment with the
- 4 Third Circuit doing the best it could in very
- 5 strange circumstances, and now the case is in
- 6 this Court.
- 7 You can affirm and you can say what
- 8 you want to say about jury issues deciding,
- 9 but, here, our position is the complete
- 10 response letter as a matter of law could not
- 11 have made it impossible for Merck to update its
- 12 labels.
- JUSTICE ALITO: So you want us --
- 14 CHIEF JUSTICE ROBERTS: Thank you,
- 15 counsel. Oh, I'm sorry. Thank you, counsel.
- Mr. Dvoretzky, you have three minutes
- 17 remaining.
- 18 REBUTTAL ARGUMENT OF SHAY DVORETZKY
- 19 ON BEHALF OF THE PETITIONER
- 20 MR. DVORETZKY: Thank you, Mr. Chief
- 21 Justice.
- 22 If the FDA does not know yet whether a
- warning is justified or not, that means no, the
- 24 manufacturer in that situation can't change the
- 25 label. That's true whether we're talking about

- 1 the CBE process or the PAS process.
- 2 And that's the situation here. Mr.
- 3 Frederick focuses on low energy and stress
- 4 fracture, and any debate about that terminology
- 5 --
- 6 JUSTICE SOTOMAYOR: How about the
- 7 manufacturer's duty to work with the FDA to
- 8 ensure that the label is right and that it has
- 9 all pertinent information to reconsider its
- 10 initial decision?
- 11 Mr. Frederick said there were only
- 12 five of 170 articles provided to the FDA. Your
- own scientists said they're confused. Doesn't
- 14 Merck have an obligation to show that, if
- presented with the proper language and the
- 16 proper evidence, that the FDA would have -- or
- 17 don't you have to show would have still denied
- 18 the right label?
- 19 MR. DVORETZKY: Justice --
- JUSTICE SOTOMAYOR: Isn't that your
- 21 burden?
- MR. DVORETZKY: Justice Sotomayor, the
- 23 process that you're describing is exactly what
- happened here.
- 25 JUSTICE SOTOMAYOR: It didn't. You

- 1 never gave them a proper language and you never
- 2 gave them what your scientists told you to give
- 3 them.
- 4 MR. DVORETZKY: Justice Sotomayor, the
- 5 PAS submission included 132 studies about the
- 6 risk that Respondents say we should have warned
- 7 about, the very same studies that Respondents
- 8 themselves rely on that. All of that was
- 9 before the FDA. The FDA isn't saying that it
- 10 was in any way misled.
- 11 And the back-and-forth process here,
- if you look at Joint Appendix 508, the email
- 13 that Mr. Frederick referred to, an FDA official
- told Merck to withdraw its request so that the
- 15 FDA could close out this issue while it
- 16 continued to study it and work with the FDA on
- 17 -- work with Merck on language later if it
- 18 determined that a warning was warranted.
- In other words, at the time of the
- 20 CRL, based on all of the information that the
- 21 FDA had before it, and it doesn't claim that it
- 22 was misled, no warning was justified at that
- 23 time.
- In March of 2010, the public safety
- announcement, Joint Appendix 520, the FDA said

- 1 "the data did not show an increase in this risk
- 2 in women using this medication."
- 3 In light of that statement from the
- 4 FDA, there is no way that Merck could have
- 5 changed its warning because the FDA has told us
- 6 that no warning was justified at that time.
- 7 As for Dr. Lane, the -- Merck's
- 8 warning contains the two hallmarks that
- 9 Dr. Lane says were necessary. The warning
- 10 itself on its face refers to insufficiency
- 11 fractures and complete fractures. It doesn't
- just refer to stress fractures.
- 13 With respect to the stress fracture
- language, Dr. Lane himself in his amicus brief
- 15 admitted that AFFs start as stress fractures.
- 16 That's at page 9, Footnote 11, and also at page
- 17 12.
- 18 Mr. Chief Justice, if I may just wrap
- 19 up, where we know from the FDA's actions and
- 20 statements that no change was permissible,
- 21 because it's not scientifically justified, that
- 22 establishes preemption as a matter of law.
- 23 CHIEF JUSTICE ROBERTS: Thank you,
- 24 counsel. The case is submitted.

1		(Whereupon,	at	11:08	a.m.,	the	case
2	was	submitted.)					
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

# Official - Subject to Final Review

	Official - Subject to Final Review							
1	abstract [2] 41:21,25	anyway [1] 40:11	believed [1] 45:17					
<u> </u>	accept [1] 52:24	APPEARANCES [1] 1:17	believes [3] 7:3 11:4 45:19					
<b>10:05</b> [2] <b>1:</b> 15 <b>3:</b> 2	accepted [2] 55:22 56:17	Appendix [13] 12:3 15:13 21:4,19	below [1] 61:24					
<b>11</b> [1] <b>66:</b> 16	accordance [2] 18:4,11	<b>22</b> :11 <b>38</b> :24 <b>42</b> :6 <b>43</b> :6 <b>44</b> :10 <b>45</b> :	benefit [4] 40:23 51:7 54:20 55:4					
<b>11:08</b> [1] <b>67:</b> 1	accurate [4] 36:18 42:24 58:2 61:	14 <b>47</b> :2 <b>65</b> :12,25	benefits [1] 54:3					
<b>12</b> [1] <b>66:</b> 17	3	application [2] 28:2 39:19	best [3] 32:11 49:17 63:4					
<b>132</b> [1] <b>65:</b> 5	acknowledged [1] 5:21	appointment [1] 41:16	better [8] 23:23 24:5,8 27:1,2 36:					
<b>17</b> [1] <b>36:</b> 16	Act [1] 25:1	approach [1] 51:4	15 <b>37</b> :12 <b>61</b> :13					
17-290 [1] 3:4	acted [1] 19:16	appropriate [2] 50:11 58:24	between [8] 17:7 18:22 20:11 34:					
<b>170</b> [2] <b>52</b> :11 <b>64</b> :12	acting [1] 10:16	approval [2] 25:3 26:2	25 <b>44</b> :4 <b>46</b> :6 <b>49</b> :10 <b>61</b> :5					
	acting (1) 10:10	1						
	1	approved [5] 10:17 50:24 56:15	beyond [1] 33:10					
<b>20</b> [2] <b>2</b> :8 <b>46</b> :4	actions [3] 17:17 24:21 66:19	<b>58</b> :18,24	bisphosphonate [4] <b>17</b> :6,7 <b>42</b> :17					
<b>2006</b> [1] <b>52</b> :20	activity [1] 47:7	April [1] 49:9	56:2					
<b>2007</b> [1] <b>32</b> :16	actual [1] 40:6	area [3] 17:18 51:5,6	bit [1] 50:24					
2008 [4] 34:9 36:14 53:3 57:24	actually [4] 26:18 51:4 55:22 61:2	argued [2] 59:3,3	bizarre [1] 62:22					
2009 [2] 49:9 56:7	add [6] 21:7,9,22 22:2 27:7 38:1	argues [1] 62:20	boat [1] 50:5					
<b>2010</b> [13] <b>12</b> :16 <b>17</b> :22 <b>19</b> :5,11 <b>20</b> :	addendum [1] 32:3	arguing [1] 37:11	body [1] 28:4					
13 <b>32</b> :6 <b>34</b> :22 <b>35</b> :4,6 <b>36</b> :5 <b>51</b> :17	addition [4] 20:15 23:25 27:3 31:8	argument [18] 1:14 2:2,5,9,12 3:4,	boils [1] <b>6:</b> 9					
<b>56:</b> 5 <b>65:</b> 24	additional [2] 17:20 30:15	7 <b>9</b> :14 <b>20</b> :3 <b>31</b> :14 <b>32</b> :22 <b>37</b> :20,23	bone [1] 16:11					
2019 [1] 1:11	additions [1] 26:9	<b>43</b> :22 <b>47</b> :25 <b>49</b> :6 <b>60</b> :23 <b>63</b> :18	both [15] 6:11,12 8:15 11:22,24 12:					
<b>21</b> [1] <b>46</b> :5	address [3] 15:6 21:25 59:19	around [1] 27:16	6 <b>14</b> :4,4,19 <b>16</b> :14 <b>20</b> :9 <b>21</b> :9,23 <b>22</b> :					
	addressing [1] 20:8	artfully [1] 13:12	18 <b>30</b> :19					
3	adequate [8] 24:25 32:5 34:12 38:	articles [2] 52:11 64:12	bothering [1] 51:4					
3 [1] 2:4	9 <b>56</b> :25 <b>57</b> :3 <b>59</b> :16,19	asks [1] 3:19	brand-name [1] <b>31</b> :18					
31 [1] 2:11	adequately [1] 9:7	aspects [1] 26:10	BREYER [20] 38:10,16,22,25 39:9,					
314.110(a)(1 [1] 33:20	admitted [1] 66:15	associated [1] 46:9	17,24 <b>40</b> :2,5,8 <b>41</b> :24 <b>45</b> :1 <b>51</b> :3,24					
` '	adverse [6] 12:1,9,12 21:10,24 22:		<b>52:</b> 4,24 <b>60:</b> 9,16 <b>61:</b> 7,9					
<b>355(o)(4</b> <sup>[4]</sup> <b>7:2 12:</b> 19 <b>19:</b> 18 <b>34:</b> 18	2	1	l · · · · · · · · · · · · · · · · · · ·					
355(o)(4)(A [1] 11:2	advise [1] 10:13	assume [2] 29:19 30:18	brief [11] 32:3 34:8 36:8,17 43:7					
3 <u>55(o)(4)(l [1]</u> 32:2		assumes [1] 4:2	<b>46</b> :3 <b>47</b> :19 <b>57</b> :16,25 <b>62</b> :20 <b>66</b> :14					
4	affect [2] 33:4 62:2	assuming [2] 57:2 59:22	briefed [1] 61:16					
<b>40</b> [1] <b>46:</b> 5	affirm [4] 58:10,12 61:23 63:7	atypical [26] 3:12 5:22 8:22 9:3,9,	broad [5] 39:12,13,19,23 42:22					
<b>41</b> [1] <b>46</b> :4	AFFs [1] 66:15	22 <b>11</b> :14,14,16 <b>15</b> :11 <b>17</b> :12 <b>18</b> :1	brute [1] 60:19					
	agencies [1] 4:2	<b>32</b> :6 <b>34</b> :13 <b>35</b> :1 <b>39</b> :2,5,11 <b>42</b> :16,	budget 11 44:1					
5	agency [2] 35:9 44:5	23 <b>44</b> :13 <b>45</b> :21 <b>52</b> :21 <b>53</b> :2,11 <b>61</b> :	burden [1] 64:21					
<b>50</b> [1] <b>51</b> :7	agency's [1] 33:15	1	Burr's [1] 43:5					
<b>508</b> [1] <b>65</b> :12	agree [9] 4:10 6:2,2,5 29:6,8 43:12	authorized [1] 18:25	buy [1] <b>34:</b> 15					
<b>511</b> [3] <b>12:</b> 3 <b>38:</b> 21,24	<b>58</b> :25 <b>61</b> :23	available [1] 9:8						
<b>512</b> [1] <b>38</b> :24	agreement [1] 11:8	avoid [1] 13:15						
<b>515</b> [2] <b>42</b> :5 <b>45</b> :14	ahead [2] 46:22 53:9	aware [2] 52:14 53:4	calculated [1] 13:14					
	AL [1] 1:6	away [1] 25:1	called [1] 39:2					
<b>520</b> [1] <b>65:</b> 25	ALBRECHT [2] 1:6 3:5	В	calling [1] 11:17					
6	alcohol [1] 17:3	_ <del> </del>	came [5] 1:13 5:24 11:21 19:15 62:					
<b>6</b> [1] <b>36:</b> 8	ALITO [23] 27:13 32:21 33:7,16 37:	back [15] <b>7</b> :6 <b>8</b> :17 <b>9</b> :13,17 <b>11</b> :13,	22					
<b>60</b> [1] <b>32</b> :17	18 <b>38</b> :3 <b>46</b> :18,22 <b>47</b> :1,12,15,22	22 <b>14</b> :25 <b>32</b> :10 <b>33</b> :24 <b>37</b> :13 <b>38</b> :13	cancer [7] 4:25 5:3,7,12 7:12,20					
<b>63</b> [1] <b>2</b> :14	<b>49</b> :2,5,7 <b>50</b> :22 <b>58</b> :9,15,21 <b>62</b> :5,12,	<b>42</b> :8 <b>46</b> :5 <b>53</b> :4 <b>59</b> :2	<b>48:</b> 6					
	20 <b>63</b> :13	back-and-forth [1] 65:11	cannot [2] 3:17 38:1					
<b>670</b> [2] <b>21</b> :4,18	allowing [1] <b>40</b> :19	backdrop [2] 8:16 10:7	care [1] 16:9					
7		background [2] 10:8,12	careful [1] 53:11					
<b>7</b> [1] <b>1:</b> 11	alone [1] 10:1	bad [3] 26:15 33:9 48:10	carried [1] 12:18					
<b>746</b> [3] <b>15</b> :13 <b>22</b> :10 <b>47</b> :2	already [1] 25:4	balancing [1] 54:2	Case [18] 3:4 4:4 5:16 6:1 8:13 14:					
	alter [1] 62:13	barely [1] 32:14	9 <b>17</b> :13 <b>24</b> :13 <b>32</b> :15 <b>34</b> :8 <b>57</b> :25					
8	ambiguity 3 23:24 25:4 35:22	based [4] 3:21 58:21 59:5 65:20	<b>60</b> :12 <b>61</b> :16 <b>62</b> :3,22 <b>63</b> :5 <b>66</b> :24					
<b>8</b> [1] <b>32</b> :3	ambiguous [1] 30:25	basic [1] 52:25	67:1					
	ambit [1] 61:21	1						
9	amicus [10] 1:22 2:7 20:4 34:7 36:	basically [1] 10:12	cases [3] 58:17 61:17 63:1					
9 [1] 66:16	17 <b>43</b> :7 <b>47</b> :18 <b>57</b> :16,25 <b>66</b> :14	bear [1] 13:15	causal [4] 34:25 36:6,11,12					
<b>99.999</b> [1] <b>62:</b> 25	announcement 3 17:24 37:24	beautifully [1] 57:16	causation [4] 24:3 29:17 30:14 31:					
	<b>65</b> :25	became [2] 32:23 53:4	8					
A	annual [1] 44:2	begin [2] 11:19 20:8	cause [2] 55:19 62:23					
a.m [3] 1:15 3:2 67:1	another [1] 29:21	begins [2] 12:4 16:18	caused [4] 16:6,7,14 22:24					
able [1] <b>53</b> :19	answer [13] 32:10 33:17,23 34:21	behalf [8] 1:18,24 2:4,11,14 3:8 31:	causes [5] 4:25 5:2,3,12 17:1					
above-entitled [1] 1:13	<b>38</b> :4,6 <b>41</b> :2,21 <b>45</b> :10 <b>49</b> :24 <b>53</b> :25	15 <b>63:</b> 19	causing 3 7:19 15:8 16:25					
absent [1] 57:6	<b>54</b> :11 <b>59</b> :12	belief [1] 18:9	caveat [1] 29:9					
absolve (1) 14:6	94:11 99:12	believe [6] 19:17 56:15 57:3 58:1	CBE [9] 18:15.20.25 27:7.18.23 28:					

**59**:5 **61**:9

answered [1] 14:21

anybody [1] 5:6

believe [6] 19:17 56:15 57:3 58:1

absolve [1] 14:6

absolved [1] 25:17

**CBE** [9] **18**:15,20,25 **27**:7,18,23 **28**:

6 56:21 64:1

# Official - Subject to Final Review

certain [2] 14:5 41:6 certainly [2] 9:23 61:7 chain [1] 49:10 change [19] 7:21 9:11 10:13,15 23: 5,8,10,16,19,19 **26:**4 **28:**19 **32:**7 **41**:13 **50**:10,18 **56**:22 **63**:24 **66**:20 changed [3] 19:13 57:10 66:5 changes [7] 9:12 10:14,18 11:6 **25**:17 **26**:2.24 changing [6] 30:17 31:6 54:7 56: 14 59:11.15 CHIEF [31] 3:3.9 11:12 19:25 20:6 **21**:16.20 **31**:11.16 **32**:9 **42**:18.25 **43**:11,15 **44**:6,18 **45**:3 **53**:7,24 **54**: 6,9,18,23 55:2,7,12,21 63:14,20 66:18.23 chronology [1] 57:15 Circuit 5 5:21 58:11 59:4 62:13 circumstance [1] 55:11 circumstances [1] 63:5 citations [1] 44:10 cited [2] 47:1 51:16 civil [2] 44:24 45:2 claim [3] 51:1 55:23 65:21 claims [1] 3:21 classically [1] 61:11 Clause [3] 44:20 45:5 61:19 clear [7] 4:18 11:22 21:22 28:13 **30**:20 **32**:16 **58**:22 clearly [5] 9:3 29:5 34:23 45:20 52: client [1] 56:1 close [1] 65:15 coerced [1] 60:13 coined [1] 58:4 colleague [1] 22:7 come [3] 9:13,17 35:3 comes [3] 16:22 43:15 54:17 comfort [3] 13:18,22 14:2 coming [2] 56:9 58:7 communicated [2] 45:6 57:20 companies [1] 46:6 company [1] 34:5 compelled [1] 31:5 complaining [1] 16:22 complains [1] 56:4 complete [29] 6:25 8:14.20 9:19. 24 **10**:4 **11**:23 **15**:20 **16**:18 **17**:23 19:22 22:13 27:15 32:24.25 33:3. 22 34:17 35:2,5,23 37:2 45:16,23 47:5,13 59:1 63:9 66:11 completed [2] 12:17 17:9 completely [2] 34:21 39:7 completion [1] 16:20 comply [2] 14:19 31:24 components [1] 60:1 concern [3] 20:21 22:20 26:12 concerned [4] 11:18 14:1 15:18 29:13 conclusion [1] 10:1 conduct [1] 3:25 confessions [1] 60:13

confused [3] 21:2 62:5 64:13 confusion [3] 15:9 20:12,25 Congress [2] 46:16,23 connection [4] 17:7,17 22:21 36: connoted [1] 20:22 consider [1] 17:5 considered [1] 27:25 considering [1] 29:4 consign [1] 60:7 consistent [1] 16:23 Constitution [1] 44:21 constitutional [2] 60:5 61:17 construction [1] 8:9 construe [4] 24:16 31:1.3.4 consultant [2] 34:9 57:24 contains [2] 26:14 66:8 context [1] 5:23 continue [8] 18:3 25:12 26:23 29: 3.23 50:11.15.16 continued [1] 65:16 **continuing** [1] **17:**25 conversation [1] 9:15 convince [1] 56:16 convinced [1] 18:2 convincing [1] 58:23 core [1] 60:5 **CORP** [1] 1:3 correct [4] 43:4 58:13 59:21,24 corrections [1] 25:13 correctly [1] 4:3 cosmetic [2] 10:18,19 costs [2] 13:16 17 couldn't [2] 23:10 41:18 Counsel [7] 13:2 20:1 31:12 45:12 **63**:15.15 **66**:24 counterintuitive [2] 8:5.7 counterproductive [1] 27:9 course [1] 4:1 COURT [13] 1:1.14 3:10 13:19.23 **17**:16 **20**:7 **24**:15 **31**:2,17 **61**:24 **63:**3.6 Court's [1] 61:16 create [3] 13:9 27:6,9 creating [1] 25:4 CRL [1] 65:20 cross-motions [1] 62:24 cross-reference [1] 22:3 cure [1] 40:10 cured [1] 40:12 curiae [3] 1:22 2:8 20:4 cysts [6] 5:4,5 7:13,16 48:7,7 D **D.C** [4] **1:**10,18,21,24

danger [2] 48:3,22 dangerous [1] 51:25 data [10] 7:17,18 8:1 13:11 18:2 33: 11 **48**:2,11 **51**:17 **66**:1 date [3] 31:20 32:20 43:23 DAVID [3] 1:24 2:10 31:14 day [1] 32:24 dealing [1] 50:9 dealt [1] 4:14

debate [2] 61:5 64:4 decide [9] 23:4 31:1 52:5 58:17 60: 2.4.7 61:7 62:1 decided [2] 20:14 58:16 decides [2] 50:4 55:3 deciding [1] 63:8 decision [5] 46:20,24 55:16 58:10 64:10 decisions [1] 31:23 defense [1] 37:17 defined [1] 47:5 defines [1] 47:3 definition [1] 47:21 deliberately [2] 13:13 34:3 demanding [1] 37:17 demonstrates [1] 32:11 denied [1] 64:17 Department [1] 1:21 depends [1] 50:19 Deputy [1] 1:20 describe [1] 21:11 describing [2] 13:25 64:23 determination [1] 30:11 determine [1] 54:22 determined [2] 31:7 65:18 deterred [1] 26:17 difference [1] 18:22 different [9] 4:20 8:2,12 15:4 16: 13 39:7 44:10 51:8,8 differently [1] 48:13 difficult [1] 8:13 diplomatic [1] 40:3 direction [2] 33:19 39:8 disagree [1] 10:21 disagrees [4] 10:22 11:5,10 12:24 disapprove [2] 27:8 28:8 disapproved [1] 27:21 disapproves [1] 26:8 discourage [1] 27:11 discussed [1] 32:14 Discussion [1] 9:5 discussions [1] 11:8 disparity [1] 44:4 displace [1] 44:22 displaces [1] 37:10 displacing [1] 40:16 dispute [3] 14:3 35:15 43:3 disputed [1] 60:22 disputes [1] 60:19 distinguish [1] 20:11 distinguished [1] 21:1 distinguishing [1] 22:14 district [1] 63:3 division [1] 44:2 doctor [1] 55:25 doctor's [1] 17:5 doctors [7] 16:24 18:3 46:9,11 53: 13 21 54:19 document [1] 59:4

**DORIS** [1] 1:6 down [4] 6:9 37:8 46:13 56:9 drafted [2] 13:12,13 draw [1] 10:1 drowned [1] 26:20 drug [18] 4:6,22,25 5:2 24:23 25: 11 **26:**16.17 **31:**18 **35:**1 **44:**1.3.5 46:6 53:15.21 55:15 58:8 drugs [5] 24:24 31:25 40:9 43:25 46:10 duration [1] 38:15 during [1] 28:5 duties [3] 8:17 31:25 33:4 duty [4] 24:23 33:14 52:16 64:7 **DVORETZKY** [28] 1:18 2:3,13 3:6, 7,9 **4**:8 **5**:13 **6**:19 **7**:10 **8**:11 **10**:2, 20 11:1,16 13:4,22 15:6 16:17 17: 14 **18:**18 **19:**10 **63:**16,18,20 **64:**19, 22 65:4 Е

earlier [3] 19:20 42:12 56:10 earmarks [1] 41:5 easy [3] 23:7 24:13 28:18 edits [1] 12:13 educate [1] 46:9 education [2] 36:18 58:2 effect [1] 26:24 effects [1] 26:13 either [6] 6:2 19:1 24:24 30:21,24 47:6 elegance [1] 35:15 elevation [1] 16:10 eloquently [1] 35:10 email [2] 49:9 65:12 emeraed [1] 28:5 emphasis [2] 51:14,15 emplovee [1] 52:19 encompass [1] 47:9 encompasses [2] 22:18 61:1 encountered [1] 58:6 encourages [1] 13:9 energy [3] 60:24 61:1 64:3 engaging [1] 44:23 enough [11] 4:23 24:9 28:17 34:11, 25 36:22 40:25 41:7,15,18 42:22 ensure [2] 24:24 64:8 entirely [1] 8:1 entitled [2] 62:7.10 ESQ [6] 1:18.24 2:3.6.10.13 essentially [2] 16:3 18:22 establishes [3] 14:17 19:1 66:22 ET [1] 1:6 evaluating [2] 18:20,21 even [8] 8:1 11:19 18:8 29:13 30: 11 **32**:16 **55**:17 **62**:24 event [3] 20:22 22:14 47:8 events [1] 22:22 eventually [2] 17:8 50:3 everything [2] 25:12 37:1 evidence [18] 4:23.24 17:21 24:2 27:4.15.24 28:3.4.17 29:16 30:13 31:7 36:11.13 52:13 58:23 64:16

documentation [1] 29:11

doina [3] 25:14 30:21 63:4

done [12] 19:21 27:19 30:1 35:12

**38**:22,22 **41**:19 **56**:14,17 **57**:4,11,

**DOHME** [2] 1:3 3:5

conflict [1] 8:7

## Official - Subject to Final Review

Exactly [6] 24:11 32:12 36:1 42:6 **55**:23 **64**:23 example [2] 48:6 60:12 exchanges [1] 53:9 exempt [2] 7:22 8:4 exercise [1] 17:2 exist [2] 25:5 42:13 existing [1] 18:4 expect [5] 29:9,14,22,24 48:24 expeditiously [1] 26:23 experience [1] 21:11 expert [1] 43:5 experts [1] 61:5 explain [3] 16:21 17:4 57:16 explained [3] 15:14,16 22:10 explains [2] 32:4 39:4 explanation [2] 22:8 36:15 express [3] 3:11 20:20 29:15 expressed [1] 26:12 extent [2] 23:18 61:4 external [3] 22:15.25 47:8 extremely [1] 62:22

### F

face [3] 11:23 25:7 66:10 fact [9] 7:20 11:11 18:14 60:6.8.22 61:12.24 62:19 fact-finding [1] 61:21 factor [1] 61:10 factors [3] 9:6 61:11,13 facts [1] 60:19 factual [3] 60:1,19 62:16 failing [2] 24:14,15 failure [1] 3:21 far [2] 40:19,24 FDA [148] 3:12,19 4:14 5:1,8,20 6: 3.6.13.23 **8:**18 **10:**22 **12:**7.13.18. 22,23 13:10,23 14:4,9,14 15:2,14, 16 17:15.23 18:6.6.24 19:12.16.19. 19 **20**:14.20 **21**:1 **22**:23 **23**:2.9.11. 13.14 **25:**3.9.15.19 **26:**5.8.12.23 **27:**8.11.14.19.25 **28:**1.7.14.22.23 **29**:5,13,22,25 **30**:4,8,20 **31**:6,20 **32**:7,12,16 **33**:8,21 **34**:4,23 **35**:3 36:5,17 37:9,22,25 41:11 42:7,9, 21 43:12,20 44:1,8,8,9,15,15,25 **45**:7,9,17,25 **46**:6,7 **47**:15 **48**:4,8, 15 **49**:10,10,18 **50**:5,16,24 **51**:17 **52**:8,12,13 **53**:4 **54**:2,22 **55**:18,22 **56**:6.11.14.17.23 **57**:2.2.20 **58**:2. 17.23 **59**:10.14.18 **63**:22 **64**:7.12. 16 **65**:9.9.13.15.16.21.25 **66**:4.5 FDA's [21] 3:24 4:4 6:24 7:1 8:16 12:8.15 14:13 15:1 17:17 22:20 23:14 24:19 26:2 27:2 35:25 44:1, 17 **51**:17 **57**:10 **66**:19 feature [1] 25:24 features [1] 56:3 federal [3] 4:2 31:23 44:21 felt [2] 27:4 41:17 femoral [16] 3:13 5:22 11:17 12:3 18:1 21:14 32:6 33:12 34:13 35:1 39:5 42:16 52:21 53:2.12 61:1

figure [3] 16:24 25:19 41:2 filed [2] 18:15 27:17 find [2] 8:2 40:20 finds [1] 52:10 fine [1] 47:23 first [9] 3:4 10:4 20:13 23:21,22 32: 17 **43**:17 **53**:1 **56**:20 five [3] 37:7 52:12 64:12 focus [2] 10:9 48:5 focuses [1] 64:3 follow [1] 50:23 follows [1] 3:23 Footnote [3] 46:4.5 66:16 force [13] 11:20 12:17 19:8,13,15 **25**:14 **36**:20 **41**:17 **50**:3,4 **52**:5,8, foremost [1] 23:22 forget [1] 9:3

forgiveness [1] 18:23 form [1] 43:8 forth [13] 7:6 8:17 11:13.23 14:25 32:2 11 33:24 37:14 42:9 46:6 53: 4 59:2 Fosamax [5] 20:24 53:15 54:19 **55:**3 **58:**5 fracture [40] 9:22 11:17 15:7 16:5. 18,19,24 17:9 20:19 22:9,17,17,18 24 29:13 33:10 39:3,5,6,12,17 41: 14 **42**:10,13,16,20,21 **43**:8 **44**:12 **45**:24 **47**:3,4,5,6,10,18,20 **58**:5 **64**: 4 66:13 fractures [70] 3:13 4:12,13,14 5: 23 6:4,15,16,17 8:21,22 9:2,4,6,10

**11:**15 **12:**2,21 **15:**3,5,12,15,17,19, 20.21 **16:**2.6.7.8.9.10 **17:**2.12.13 **18**:1 **21**:12 **22**:12.19 **29**:1.2.4.24 **30**:2.3.10 **32**:6 **33**:12 **34**:13 **35**:1 **39**:3.10 **42**:23 **44**:13 **45**:21 **48**:11 **49**:21 **50**:1 **51**:1 **52**:21 **53**:2,12 **55**: 24 58:3,7 61:2 66:11,11,12,15 fractures' [1] 45:20 framework [2] 3:24 41:1 FREDERICK [71] 1:24 2:10 31:13, 14,16 33:2,13,17 34:14,19 35:8 **36**:3,24 **37**:4 **38**:3,12,20,23 **39**:4, 22.25 40:7 41:23 42:2.24 43:2.14 44:18 45:13 46:20.23 47:11.14 49: 1.4.7.17 **50**:14.19 **51**:23 **52**:3.6 **53**: 24 **54**:8.16.23 **55**:5.9.20 **56**:8.19 **57**:5,8,12,22 **58**:9,12,19,25 **59**:12, 16,25 **60**:4,15,21 **61**:15 **62**:10,18 **64:**3.11 **65:**13 friend [1] 44:11 front [1] 6:22

full [3] 33:23,23 37:14 fully [2] 3:12 34:5

further [2] 49:8 50:24

### G

gather [1] 54:10 gave [6] 7:16 44:14 53:20 58:1 65:

General [4] 1:20 41:1 42:13 43:9 generally [2] 22:24 43:9

getting [1] 35:8 give [9] 4:9,21 9:18 13:19,23 14:3 33:22,24 65:2 given [8] 15:3 18:10 23:3 24:5,25 **25**:4 **29**:10 **52**:12 gives [1] 56:21 qiving [1] 51:8 GORSUCH [14] 13:2.5 18:13 19:3 20:10 34:1.14.20 35:14.18.21 36: 19 25 **37**:5 Gorsuch's [2] 38:11 41:3 aosh [1] 53:13 got [4] 32:16 39:13 41:10 48:17 governing [1] 3:24 government's [1] 45:12 gravity [1] 46:12

# Н

guess [2] 30:4,16

hallmarks [1] 66:8

hand [3] 6:5 28:21 40:24 handle [1] 63:3 happen [3] 27:13 38:17 53:14 happened [6] 26:16 38:8 49:9,18 56:24 64:24 happens [1] 26:21 hard [1] 4:24 hazard [2] 13:9 34:2 head [3] 23:14 25:22 38:17 health [5] 4:5 20:24 24:3 26:15 51: hear [1] 3:3 hearing [1] 45:11 held [1] 37:17 helped [1] 40:12 helpful [1] 39:14 helps [2] 35:19 37:25 highly [1] 49:14 himself [1] 66:14 Honor [2] 33:3 55:11 hook [6] 5:11.14 6:5.8 29:6 30:22 However [1] 45:16 huge [1] 37:10 hurt [3] 40:15,25 41:7 hurting [1] 40:21

identifiable [1] 47:7 identification [1] 9:2 identified [1] 17:22 ignored [1] 3:13 ill [1] 26:13 immediately [1] 7:21 immune [1] 4:17 important [7] 20:11 25:24 26:19 **33**:13 **40**:10 **53**:16 **59**:17 imposes [1] 52:15 impossibility [8] 14:9,12 19:2 25: 5 **30**:6 **37**:6,16 **59**:7 impossible [10] 14:18 18:10 23:5, 8,12,16 **31**:24 **32**:4 **35**:12 **63**:11

hypothetical [7] 4:9,21 30:18,19

**50**:23 **54**:7 **55**:21

idea [1] 7:24

improper [2] 62:4,21 improperly [1] 10:17 inaccurate [3] 39:22 47:20,21 inadequate [8] 9:1,1 31:21 33:6 **38**:4 **45**:19,25 **50**:8 inappropriate [2] 27:22 28:6 inartfully [1] 13:13 incentive [3] 26:22 27:6.10 incident [1] 16:4 include [4] 7:4 20:18 42:23 55:16 included [8] 7:4 12:21 15:17 22:3 29:11 44:12 55:17 65:5 includes [1] 4:4 including [4] 15:19 25:12,14 40: inclusion [1] 24:3 inconsistent [1] 30:7 inconvenience [2] 5:7 16:15 increase [2] 51:18 66:1 increased [1] 47:7 indeed [2] 8:6 22:1 indication [1] 52:22 indications [1] 51:21 inevitable [1] 28:7 inform [1] 37:14 information [12] 6:22 13:11 19:14 26:14 29:12 34:12 43:25 50:16 52: 9 57:13 64:9 65:20 informed [1] 3:12 informs [2] 3:18 37:25 initial [1] 64:10 initiate [2] 11:7 31:6 initiated [1] 19:18 initiating [1] 12:19 injuries [1] 49:15 injury [6] 16:16,17 54:17,18,25 55: instead [2] 5:2 25:16 instruct [1] 61:24 insufficiency [5] 15:19 16:2 21: 13 47:4 66:10 insufficient [1] 27:16 intent [1] 27:2 interacting [1] 42:11 interaction [1] 12:16 interest [1] 35:25 interesting [1] 52:7 interim [1] 28:5 internal [1] 42:8 internalize [1] 13:16 interpret [4] 37:12 44:16 59:5 61: interpretation [2] 44:24 59:6 interpreting [1] 45:22 introductory [1] 21:5 investigation [2] 18:17 19:7 invoked [1] 27:24 invoking [1] 44:20 isn't [4] 35:24 36:25 64:20 65:9 issuance [2] 32:23 25 issue [11] 5:9 18:1 20:9 29:1 36:21 48:18 49:23.25 58:16 62:8 65:15 issued [2] 17:23 19:22

femur [3] 39:2.12 46:14

issues [5] 60:6,8,10 61:17 63:8

itself [5] 13:23 23:22 26:5 34:6 66: 10

iob [1] 4:4 iobs [1] 4:2 Joint [13] 12:3 15:13 21:4,18 22:10

38:23 42:6 43:6 44:10 45:14 47:2 65:12,25

judge [4] 59:4 60:2,4,11 iudaes [2] 61:6.25

January [1] 1:11

judgment [10] 58:13,13,14 62:3,8, 11.13.20.25 63:3

iuries [4] 58:16 60:7 61:8.21 jury [6] 40:20 56:16 58:22 62:15,17

Justice [146] 1:21 3:3,9 4:8 5:25 6: 20 **7**:8,11 **8**:19 **10**:3,11,23 **11**:12 **13**:2,5 **14**:20 **15**:24 **17**:10 **18**:13 19:3,25 20:6,9,9 21:16,20 23:1 24: 7,12,20,22 **25**:9 **26**:3,21 **27**:12,13 **28**:9,10,11 **29**:18 **30**:16 **31**:11,17 32:9,21 33:7,16 34:1,14,20 35:10, 14.15.18.21 36:19.25 37:4.5.5.18 38:3,10,11,16,22,25 39:9,15,17,24 **40:**2.5.8 **41:**3.24 **42:**18.25 **43:**11. 16 **44**:6.19 **45**:1.3 **46**:17.18.22 **47**: 1.12.14.22 **48:**5 **49:**1.2.5.7.16 **50:** 17,20,22 51:3,24 52:4,24 53:7,24 **54**:6,9,18,24 **55**:2,7,12,21 **56**:8 **57**: 1,6,9,13,19 58:9,15,21 59:8,13,17, 21 60:2,9,16 61:7,9 62:5,12,19 63: 13,14,21 64:6,19,20,22,25 65:4 66: 18,23

justification [3] 8:25 33:23 45:17 iustified [9] 12:11.24 18:9 19:17. 20 63:23 65:22 66:6.21

KAGAN [25] 4:8 5:25 6:20 7:8.11 14:20 15:24 20:9 23:1 24:7.12 27: 12 28:9,11 29:18 30:16 39:15 49: 16 **50**:17,20 **59**:8,13,17,21 **60**:2 Kagan's [1] 48:6 **KAVANAUGH** [1] **17:**10

keep [2] 33:14 46:24 keeping [2] 31:19 32:19 kind [4] 4:20 13:6 16:22 21:5 kinds [3] 15:18,20 58:7

known [2] 43:18 47:4 knows [2] 50:20 54:12

label [49] 3:20 5:11 6:18 7:4,5,21 **10**:13 **12**:6 **18**:5 **21**:11 **23**:6,9,10, 16,17,19 **24**:4 **26**:1,10,14 **28**:19,25 29:14 30:1 31:7 32:7,9,19 38:2 50: 10,18,25 **51**:1,25 **52**:1 **53**:10 **54**:1 **55**:14 **56**:5,6,14,18,22 **57**:3 **59**:11, 15 **63**:25 **64**:8.18 labeled [1] 48:13 labels [7] 4:6 8:10 20:16 31:20 40: 15 **46**:15 **63**:12

Lane [16] 34:8,8,10 35:13 36:13 38:

14 **39**:4 **42**:11 **47**:18 **57**:14.23.23 61:2 66:7.9.14

Lane's [2] 36:17 43:7

language [19] 9:1 10:17 12:21,25 **15**:7 **21**:9,22 **22**:1 **30**:20 **45**:24 **46**: 1 **49**:12 **50**:25 **55**:24 **56**:12 **64**:15

65:1.17 66:14 large [1] 16:10

later [5] 11:21 18:8 36:1 41:16 65:

Laughter [3] 35:17.20 40:4 launching [1] 19:7

law [18] 3:22 18:12 31:24 37:3,10 **40**:16 **44**:19,22,22 **45**:5 **51**:12 **54**: 24 55:10 56:20 59:20 61:12 63:10 66:22

lawsuit [2] 53:1,5 lawyer [1] 40:17

lawyers [1] 42:3 layers [1] 37:7

leading [2] 40:6,8 leads [1] 16:4

least [4] 18:16 34:15 48:22 61:14 leave [1] 52:2

legal [7] 59:4,23,25 60:5,11,18 61:

less [1] 44·2

letter [52] 6:25 8:14,20,23 9:12,20, 25,25 **10**:4,10 **11**:24 **12**:4 **17**:24 19:5,22 23:22,23 24:6,15,16 27:1, 15 **29**:10,21 **30**:25 **32**:24 **33**:1,3, 22 34:17 35:3,6,23,24 36:10 37:2, 9,15,21 38:19,20 41:6,10 45:16,23 **49**:19 **50**:7.7 **56**:11 **59**:1.6 **63**:10 letters [2] 17:11 15

Levine [3] 35:11 37:17 38:7 liable [1] 32:23

light [12] 3:20 7:1 8:15 14:12 24: 16,17,18 **31**:4 **35**:6 **53**:8 **61**:16 **66**:

likely [1] 33:18

lines [1] 13:8

link [1] 34:25

literature [6] 4:15 9:5,8,10 23:18 28:17

little [1] 50:23

logic [2] 55:13,14

lona [1] 56:1

longer [1] 53:16

look [20] 5:23 6:13,21 7:15,25 9:14, 21 23:4.21 33:19 34:7 36:4 42:3.3

43:5,6 48:11 49:8 56:3 65:12

looked [1] 7:17

looking [4] 11:1,2 41:20 47:16 looks [2] 16:19 49:18

lose [1] 51:11

lot [6] 13:10 29:12,24 46:5 51:10 60:10

low [3] 60:24 61:1 64:3

low-energy [5] 12:1 15:12,21 21:

low-level [2] 44:24 45:1 lower [2] 36:4.9

made [4] 17:24 46:20.24 63:11 maintain [1] 32:9 major [13] 4:12.12.14 6:4.13.15 10: 15 **15**:3 **28**:16 **29**:2,4,23 **50**:1 majority [1] 40:22

makers [1] 31:19

MALCOLM [3] 1:20 2:6 20:3

manage [1] 8:4

mandate [2] 31:22 32:17

mandated [2] 32:7 56:6

manufacture [1] 4:22

manufacturer [30] 3:18 5:1 7:6 11:5.6 14:5.6.18 24:23 25:10 26:1 32:18 33:25 34:3 35:12 43:18.23. 24 44:5 46:24 48:23 50:12.14.18. 20 52:16 54:11,12 56:21 63:24

manufacturer's [6] 12:25 32:8 52 17 **53**:25 **55**:16 **64**:7

manufacturers [5] 4:6 8:9 13:10

26:22 51:9 many [2] 53:16,20

March [10] 17:22 18:17 19:5,11 34:

22 35:3.6 36:5 53:3 65:24 market [1] 31:25

Markman [1] 60:12 massive [1] 44:4

matter [8] 1:13 3:22 22:16 37:3 44:

19 56:20 63:10 66:22 matters [1] 46:2

mean [11] 5:10 10:23 37:19 39:11 **41:**12,13,15 **51:**12,13 **60:**13,24

meaning [4] 14:11 37:15 57:9 61:

means [3] 7:21 14:12 63:23 meant [2] 30:17 37:25 medical [4] 27:4.15 28:3.4

medically [3] 36:18 47:21 58:2 medication [1] 66:2

medications [1] 51:20 medicine [1] 40:23

medicines [1] 51:6

MERCK [87] 1:3 3:5,15,18 5:17,21 11:24 12:5,16,20,20 15:10,14,21 **16**:20 **18**:11,14 **21**:5,8,21 **22**:10 23:5,8,9,11,13,15,16 24:13,22 25: 16 27:6,16,22 28:6,18,20 29:6,23, 25 30:22 31:24 32:5,12,22,22 34: 9.9.11 36:14 38:4.8 41:5.18 44:14 **45**:15 **47**:2.17 **48**:1 **49**:10.11 **52**: 19 **53**:1.9 **54**:21 **56**:10.13.24 **57**: 11.20.23 58:1.14.21.25 59:11.15 60:25 62:3.7.10.21 63:11 64:14 65:14,17 66:4

Merck's [9] 20:17 21:2 22:8 24:16 29:11 39:19 42:4 56:6 66:7

might [6] 16:23 20:23 22:22 29:22, 24 39:11 millions [1] 40:10

mind [3] 30:12 33:14 57:10 minor [4] 10:14 20:22 22:19,22

minority [1] 40:25 minutes [1] 63:16

misconstrue [1] 22:22 mislabeling [1] 40:20 misleading [2] 33:10 55:15 misleads [1] 34:3 misled [2] 65:10.22 missing [1] 35:2 mixed [2] 60:10 61:11 moment [1] 23:3 Monday [1] 1:11 Monroe [1] 37:7 months [3] 17:22 18:8 36:1 moral [2] 13:9 34:2 moreover [1] 15:23 morning [1] 3:4 most [1] 13:12 motion [1] 62:23 much [4] 6:1 35:19 36:9 38:25 musings [2] 35:9 44:23

### Ν

must [2] 41:9,11

narrow [2] 39:16,25 necessarily [2] 5:14 14:17 necessary [3] 4:7 26:24 66:9 need [3] 37:1 40:11 52:22 needed [1] 36:18 needs [1] 20:25 nealigence [2] 13:17 55:10 nealiaent [1] 34:5 never [4] 56:24,25 65:1,1 nevertheless [1] 27:6 new [3] 27:24 28:4 56:18 next [2] 43:19 51:16 Ninety [1] 42:15 nonetheless [1] 32:18 normal [2] 47:6 61:20 normally [1] 61:10 nothing [5] 4:16 5:5 6:6 19:13 38: notina [1] 12:4 notion [1] 44:12 Nowhere [2] 9:9.11 number [2] 60:14,17

## O

obligated [2] 7:3 11:7 obligation [2] 11:3 64:14 obligations [4] 7:1 12:19 14:13, obviously [3] 23:23 41:9 57:10 occur [2] 22:14 43:9 occurring [1] 47:6 occurs [1] 62:25 October [2] 12:16 20:13 offered [1] 45:24 official [3] 59:10,14 65:13 Okay [9] 5:25 39:1,10,13 42:10 50: 25 56:9 57:24 59:21 Once [1] 19:6 one [17] 8:13 13:22 16:15 17:20 18: 11 23:7 28:14 29:15 30:24 36:9 46:12 48:2 51:16 54:2 58:4 60:21 only [11] 6:15,21 10:12 14:10 26:2

refers [1] 66:10

# Official - Subject to Final Review

27:24 29:25 37:8,23 52:12 64:11 opinion [1] 35:16 oral [7] 1:14 2:2,5,9 3:7 20:3 31:14 order [2] 8:2 62:23 origination [1] 39:6 osteology [1] 58:6 other [16] 6:5,12 14:2 16:5,16 23:3 **26**:4.10 **28**:21 **29**:15 **32**:14 **39**:1. 13 40:24 44:11 65:19 others [1] 39:12 otherwise [1] 53:22 ought [1] 16:24 out [21] 8:2 11:21 12:18 16:12,24 17:1.4 19:15 22:6 25:20 26:20 36: 7 41:2,21 46:3 52:2 53:13 54:14 **55**:15 **61**:20 **65**:15 outcome [2] 13:20 62:2 ovarian [12] 4:25 5:3,3,5,7,12 7:12, 13,16,19 48:6.7 over [5] 8:10 23:17 46:7 52:18 61: over-warning [7] 26:13 27:10 54: 1.14.17.22 55:1 overwhelming [1] 13:11

### Р

**35**:25 **45**:9 **64**:13

own [8] 3:14 13:16,16 22:8 30:12

PAGE [20] 2:2 21:4.8.17.18 22:10 32:3 36:8.16 38:16.18.21 42:5 45: 14 **46**:4,5 **47**:2 **51**:16 **66**:16,16 pain [2] 16:23 55:25 part [3] 14:13 33:24 34:15 partial [2] 22:13 47:5 particular [8] 24:4 42:19,20 43:19 **51:**5,6 **56:**2 **61:**6 parties [1] 14:4 PAS [6] 18:21.24 28:2 34:10 64:1 patents [1] 60:12 patient [1] 56:4 patients [2] 46:13 58:7 people [5] 26:16 40:10,11 41:7 42: percent [2] 42:15 62:25 perhaps [4] 17:6 19:3 35:25 48:6 period [3] 19:8,9 27:17 permissible [1] 66:20 permission [1] 18:23 person [3] 9:15 26:16 37:9 pertinent [1] 64:9 Petitioner [9] 1:4.19.23 2:4.8.14 3: 8 20:5 63:19 phone [1] 41:10 phoned [1] 41:11 phrase [2] 36:6 60:24 phrased [1] 3:15 phrasing [1] **11:**10 physician [1] 55:3 picked [1] 41:10 piece [1] 17:20 pinpoint [1] 8:1 please [6] 3:10 8:19 13:4 20:7 31:

plenty [1] 57:12 plus [2] 39:12 42:15 point [17] 8:19 12:17 17:21,22 19: 11 **22**:6 **26**:25 **28**:23 **32**:23 **36**:21 **37**:6 **43**:19 **51**:10 **52**:25 **54**:9 **55**: 20 57:13 pointed [1] 46:3 points [3] 10:3 28:13 33:18 popping [1] **16**:12 population [2] 42:14 43:10 portion [1] 24:4 pose [2] 18:15.19 poses [1] 38:7 position [6] 13:24 31:18 33:2 58: 19 60:25 63:9 possibility [1] 29:4 possible [3] 3:19 25:12 26:14 Possibly [1] 50:19 post-marketing [1] 21:10 potential [4] 20:11,24,25 26:12 power [1] 32:16 practical [1] 56:9 practitioners [2] 20:21 22:20 precaution [8] 8:25 21:10.23 22:4 **24**:1 **31**:9 **36**:10 **45**:18 precautions [5] 11:25 12:14 20: 15 **26**:9 **49**:12 predominantly [2] 60:11,18 preempted [2] 3:22 51:2 preemption [12] 14:9 19:2 25:6 27:5 33:19 37:6,16 44:19 61:19 62:6.8 66:22 preemptive [2] 37:20,21 prepared [1] 34:12 prescribe [3] 18:4 53:14 55:3 prescribed [1] 53:17 prescribing [4] 53:21,23 54:19,21 presentations [1] 32:15 presented [1] 64:15 Presidentially-appointed [1] 37: press [1] 36:4 presumption [2] 3:25 4:1 pretty [4] 4:18 28:13 34:23 41:21 prevented [3] 53:21 59:10,15 previously [1] 27:25 primary [1] 8:10 prior [2] 32:6 34:9 problem [13] 13:25 14:1 18:7.16. 19 **28**:24 **30**:3 **40**:1 **49**:21,21 **50**: 15 **54:**2.5 proceed [1] 27:22 process [9] 12:20 19:18 27:7,23 **31:**6 **64:**1,1,23 **65:**11 prodromal [1] 55:25 product [2] 5:12 19:7 progress [2] 16:20 17:8 prohibit [1] 48:19 promptly [1] 7:5 proper [6] 31:22 32:18 46:15 64: 15.16 **65:**1 properly [1] 46:8 proposal [11] 6:10.14 7:15 14:25

**15**:3 **20**:17 **21**:6 **22**:11 **28**:15 **49**:

propose [1] 4:20 proposed [25] 3:16 4:11,13 5:22 6: 21 8:25 11:6,24 12:5,10,13,20,25 **14**:10 **21**:24 **22**:2,4 **23**:25 **26**:9 **27**: 3 33:6 38:8 45:18 48:8 56:25 proposes [2] 5:1 38:4 proposing [7] 13:21 21:7,9,22 32: 13 48:1.23 protecting [1] 4:5 prove [2] 58:22 59:6 provide [5] 18:11 32:5 36:11.14 provided [2] 14:15 64:12 provision [4] 8:8 32:4,13 61:19 public [4] 4:5 17:24 48:24 65:24 purported [1] 18:12 purposes [2] 19:4 34:16 put [9] 6:18 40:13 41:8,21 51:25 **52**:1 **53**:19 **54**:13.21 puts [1] 53:10 putting [1] 34:4 Q

question [37] 4:19 5:17 6:9 7:12 13:5 14:21,24 19:5 21:1 30:23 32: 10 34:2,16,21 37:22 38:7 39:1 41: 3,4,25 43:12,15,17,20 45:6 47:15 51:14 59:9,23,23 60:1,3,5,18 61: 12,25 62:16 questions [2] 60:6 62:19

questions [2] 60:6 62:19 quite [2] 6:20 41:4

reach [1] 11:8

reached [1] 18:9

### R

react [1] 42:1 reaction [2] 15:1 21:10 reactions [5] 12:1,9,12 21:24 22:2 read [11] 9:24 10:5,6,24,25 17:10, 15 **20:**23 **35:**5 **45:**9,13 reading [7] 8:6,23 13:8,20 27:1 37: 13 49:17 real [5] 6:17 7:19 8:3 28:24 30:23 really [19] 6:7 7:17 11:19 14:23 16: 13 **26:**19 **30:**2.7 **37:**19.19 **41:**7.12 47:11 50:9 51:7.8 52:7 53:5 60:20 reason [12] 6:16,18 7:11 8:11 15: 23 21:3 23:24 26:8 29:21 38:12 43:4 46:2 reasonable [2] 36:11,12 reasonably [1] 13:14 **REBUTTAL** [2] 2:12 63:18 receive [1] 30:9 received [2] 45:15 56:11 reconsider [1] 64:9 record [3] 37:14 49:8 51:22 red [1] 32:3 redefine [1] 47:17 redlined [1] 12:22 refer [4] 17:11 22:12,23 66:12 references [1] 11:14 referred [1] 65:13

refused [1] 13:14 regard [1] 22:7 regardless [1] 17:15 regards [1] 26:11 regime [2] 13:20 27:5 region [3] 12:2 15:13 21:14 regularity [2] 3:25 4:1 regulation [2] 33:21 56:21 regulations [2] 18:14 33:20 regulatory [13] 3:14,24 8:17 10:8, 15 **24**:18 **25**:25 **30**:8 **31**:5 **33**:14 36:7.8 56:19 reinforcing [1] 22:5 reject [2] 49:22 59:18 rejected [7] 6:6 14:10 18:24 20:17 27:3 38:5 45:25 rejecting [4] 23:25 29:2,21 42:7 rejection [1] 14:11 rejects [2] 14:17 31:20 related [3] 9:3 45:20 48:23 relating [3] 27:18 33:12 37:23 relationship [1] 36:12 relatively [2] 20:22 22:19 release [1] 36:5 relevant [8] 5:16.17 14:16.23 23: 10 **41**:4 **51**:19 **52**:9 rely [1] 65:8 remainder [1] 19:23 remaining [1] 63:17 Remember [1] 43:24 repeated [1] 20:18 report [5] 11:20 19:13,15 43:5 52: reported [2] 9:4 21:12 request [1] 65:14 required [1] 55:18 requirements [1] 18:12 rescission [1] 56:22 reserve [1] 19:23 resolved [1] 35:24 resource [1] 44:4 respect [3] 5:11 19:4 66:13 respectfully [3] 10:20 43:15 54: Respondents [8] 1:7.25 2:11 11: 18 **15**:18 **31**:15 **65**:6.7 Respondents' [1] 3:11 **9**:19,25 **10**:4,10 **11**:23 **17**:23 **19**: 22 27:14,15 28:1 32:24,25 33:3, 22 **34**:17 **35**:2,6,24 **37**:2 **38**:18,20 **44**:17 **45**:4,10,16,23 **59**:1 **63**:10

Respondents' [1] 3:11
response [33] 6:11,25 8:14,20,23
9:19,25 10:4,10 11:23 17:23 19:
22 27:14,15 28:1 32:24,25 33:3,
22 34:17 35:2,6,24 37:2 38:18,20
44:17 45:4,10,16,23 59:1 63:10
responsibilities [3] 3:14 14:5,7
responsibility [7] 8:10 23:17 25:2,
22 26:1 32:8 54:12
responsible [3] 31:19 32:19 54:1
rest [2] 9:12 16:10
result [2] 53:15 60:23
review [1] 51:17
revise [3] 3:20 4:6 12:11
revising [1] 5:11
risk [29] 3:12,13,19,20,21 5:16,18
6:7,17,23 7:19 8:2,3 9:5 11:18 14:

referring [1] 22:8

17 33:19

# Official - Subject to Final Review

11 **26**:15 **30**:12 **51**:18,19 **52**:1 **65**: 6 66:1 risks [6] 6:13 28:16 30:10 46:9 54: 3 59:19 ROBERTS [20] 3:3 11:12 19:25 21: 16,20 **31**:11 **42**:18,25 **43**:11 **44**:6 **45**:3 **53**:7 **54**:6,9,18 **55**:2,7,12 **63**: 14 66:23 route [2] 26:4 28:6 rule [4] 3:23 8:8 17:1.3 S safe [2] 24:24 31:25 safety [8] 17:24 34:22 35:7 37:24. 24 44:1 52:23 65:24 sales [1] 44:2 same [14] 6:11 8:22 10:5 12:15 15: 17 18:20 21:25 27:18 36:20 40:13 55:14,19,23 65:7 saying [14] 5:2 9:16,21,23 17:25 28:12 41:6 56:11 57:11,21 59:9 **62**:14,15 **65**:9 says [21] 5:8 8:9,15 10:12 21:7 25: 9 34:10.24 35:13 36:17 47:12.19 49:11.19.20 50:7 51:17 55:10 57: 23 61:2 66:9 scheme [4] 24:18 25:25 30:8 31:5 science [2] 34:25 50:21 scientific [1] 61:6 scientifically [1] 66:21 scientist [1] 47:16 scientists [9] 42:4,5,10 45:15,22 **56**:10 **57**:17 **64**:13 **65**:2 second [3] 22:6 43:15 48:5 seconds [1] 41:14 Secretary [2] 7:2 11:3 section [16] 9:1 11:25 12:1,9,14 20:16 21:5.11.23.24 22:3.4 24:1 **31:**10 **32:**2 **33:**20 sections [1] 12:6 see [6] 7:8 48:12 50:2 51:7,9 61:17 seeing [2] 17:5 22:21 seem [1] 14:1 seems [7] 8:5,7 13:7 25:21 30:6 **35**:3 **60**:16 seen [2] 7:18 52:20 sees [1] 48:8 selling [1] 34:16 sends [1] 50:6 sense [1] 33:4 sentences [1] 15:4 serious [8] 16:16.17 22:17.19 25: 11 **29**:12 **30**:10 **37**:19 seriousness [2] 20:23 35:22 servant [1] 44:24 servants [1] 45:2 set [6] 32:2 36:7,20 49:15 52:4 61: settled [1] 11:20 several [1] 52:20 severe [1] 30:13 SG [2] 37:11 60:25 shaft [2] 12:3 21:15

16.23 **15**:10 **20**:24 **21**:25 **24**:4 **25**:

shall [2] 7:5 11:7 SHARP [2] 1:3 3:5 SHAY [5] 1:18 2:3,13 3:7 63:18 shock [1] 48:15 short [1] 27:17 shoulder [1] 13:15 shouldn't [5] 25:6,11 35:5 44:23 show [6] 17:18 51:18 62:23 64:14. 17 66:1 shows [2] 18:6 48:2 side [3] 6:2 44:11 57:25 side's [1] 32:14 sides [1] 30:19 signal [1] 52:23 signals [1] 51:9 simple [1] 47:24 simply [1] 26:10 simultaneously [1] 14:19 **Singapore** [1] **52**:19 situation [6] 5:15 47:25 48:16 53: 8 63:24 64:2 six [1] 15:4 small [1] 16:8 smaller [2] 6:1 40:14 snap [1] 46:14 Solicitor [1] 1:20 solution [1] 40:15 somebody [5] 16:22 39:10 41:9, 11 53:18 someone [1] 10:13 sometimes [2] 26:8 61:13 somewhat [1] 41:24 sorry [5] 13:3 15:11 21:16 46:22 63:15 sort [6] 4:19 15:25 25:21 28:12 39: 7 60:22 SOTOMAYOR [22] 8:19 10:3.11. 23 24:20.22 25:9 26:3.21 28:10 **46**:17 **56**:8 **57**:1,6,9,14,19 **64**:6,20, 22.25 65:4 sound [1] 59:5 special [2] 42:12 61:18 specialized [3] 43:8 49:14 52:21 specific [1] 41:24 spectrum [1] 28:13 spot [1] 19:3 standard [4] 36:3 7 8 40:9 standards [3] 10:16 18:19.21 standing [1] 9:25 staring [1] 16:11 start [3] 32:1 56:20 66:15 started [4] 43:22 52:25 53:3,5 starts [2] 18:17 19:6 state [9] 18:12 31:24 37:10 40:16 44:22 45:5 54:24 55:10 59:20 stated [1] 23:24 statement [3] 34:23 35:25 66:3 statements [1] 66:20 STATES [9] 1:1 15 22 2:7 5:19 10: 21 20:4 44:21 51:8 statute [11] 7:24 8:6 10:5.6.24 11:

2,7 13:8 14:4 43:21 52:15

statutory [13] 3:14,23 7:1 8:8 10:8,

11 **11**:3 **13**:20 **24**:18 **25**:24 **30**:7 31:4 32:13 stay [1] 43:23 steroids [1] 17:2 STEWART [23] 1:20 2:6 20:2,3,6 **21**:18,21 **23**:2,20 **24**:11,14,21 **25**: 8.23 **26**:7.25 **27**:20 **28**:11 **29**:8 **30**: 4 **31**:2 **42**:19 **47**:1 still 5 17:13 18:1 49:13 61:23 64: stopping [1] 17:6 strange [1] 63:5 street [1] 46:13 stress [50] 4:12 6:16.17 8:21 9:2.6. 23 11:14 12:21 15:5,7,15,17 16:2, 8,19,23 **17**:2,11 **20**:18 **21**:13 **22**:9, 17,18 28:25 30:2,3 33:10 39:3,6, 10,17 41:14 42:9,21 44:12 45:19, 23 47:3,4,18,20 48:11 49:21 50: 25 55:24 64:3 66:12,13,15 stronger [1] 33:18 struggling [1] 13:6 studies [3] 47:16 65:5,7 study [9] 12:18 17:25 36:21.23 50: 12,15 57:7,10 65:16 studying [2] 18:7 19:14 subject [2] 52:12 56:22 submission [5] 21:2 24:17 29:11 30:9 65:5 submitted [4] 62:15,16 66:24 67:2 submitting [1] 34:10 subsequent [2] 24:19,21 subset [3] 39:3.20 40:14 substantial [1] 28:4 subtrochanteric [4] 12:2 15:13 21:14 45:21 sudden [1] 16:11 sue [1] 53:20 sued [1] 54:15 sufficient [4] 24:2 29:16 30:14 31: sufficiently [2] 30:13,20 suggest [1] 56:13 suggests [1] 41:17 suit [5] 4:17 7:22 8:4 28:20 55:1 summarizes [1] 21:6 summary [6] 58:14 62:3,8,11,20, 24 summer [1] 57:24 superior [1] 43:25 supply [1] 13:10 **support** [5] **28**:18 **31**:8 **33**:11 **34**: 25 **45**:18 supported [3] 9:7,10 18:2 supporting [3] 1:22 2:8 20:5 supports [2] 4:16 23:19 Suppose [8] 4:22 28:21,23 30:8, 23.25 49:16 50:24 supposed [2] 27:23 40:18 Supremacy [3] 44:20 45:5 61:19 **SUPREME** [2] 1:1.14 surely [3] 27:20 34:11 48:24 surfaced [1] 60:22

swaths [1] 37:10 symptoms [1] 17:4 talked [3] 7:15 15:4 53:9 task [13] 11:20 12:17 19:8,12,15 **25**:14 **36**:20 **41**:16 **50**:3,4 **52**:5,8, technical [1] 39:1 tells [2] 9:12 33:21 tend [1] 26:19 term [15] 11:16.19 15:15.17.22 20: 18.21 22:9.12.12.18.21 33:9 42:22 terminology [2] 16:1 64:4 terms [2] 47:24 61:6 terrible [1] 49:20 test [1] 59:13 text [1] 45:18 textualist [2] 9:20 10:6 themselves [2] 16:9 65:8 theory [2] 3:11 57:2 there's [25] 4:16,23,24 5:16 6:16 7: 19 16:3 17:7 21:3 25:3,11 28:17 35:22 46:5 48:2 49:9.25 54:24 55: 1.9.9.10 61:4.10.18 therefore [2] 41:18 48:4 thinking [3] 9:16 12:7 23:7 thinks [4] 12:24 13:14 23:18 53:18 Third [5] 5:21 58:10 59:3 62:13 63: Thomas [1] 35:10 Thomas's [1] 35:15 though [4] 8:1 19:11 34:22 55:17 thousands [1] 40:11 three [2] 23:21 63:16 today [3] 11:17 45:12 60:23 took [1] 41:6 top [2] 18:7 21:8 tort [5] 24:23 40:20 54:25 55:6,8 totally [1] 48:3 touched [1] 20:10 track [1] 53:5 tracking [1] 52:17 trauma [5] 16:6,8,15 22:15,25 traumatic [2] 16:4 47:8 treatment [1] 12:8 trigger [1] 30:5 troubles [2] 47:24 49:2 true [5] 7:15 26:3.7 51:3 63:25 trv [1] 25:12 trying 5 14:6 16:21 41:2 46:14 49: turned [2] 27:16 55:15 turning [1] 25:21 turns [2] 53:12 54:14 twenty [1] 36:14 two [8] 10:2 20:11 23:20 28:12,12 **41**:14 **62**:9 **66**:8 type [8] 20:25 27:10 29:12 35:9 42: 12,20,20 47:10 types [1] 20:12 typical [1] 17:1

surrounding [1] 24:17

### U

ultimately [3] 20:14 22:20 31:3 umbrella [1] 22:12 unambiguous [1] 24:15 unambiguously [1] 30:5 uncertain [2] 31:21 32:12 Under [6] 7:2 11:2 12:19 14:3 18: 14 **59**:19 underlying [1] 33:4 understand [13] 10:14 14:11 15: 25.25 23:2 28:15 34:6 43:20 45:4. 4.9 46:11 49:13 understanding [3] 7:24 27:2 50: understands [3] 23:3 25:10 46:8 understating [1] 20:23 understood [17] 5:20 6:25 8:15 **10**:7 **14**:16,22 **15**:2 **17**:18 **22**:23 28:22 42:18,21 43:13 44:8,14,16 48:21 unique [1] 49:14 UNITED [8] 1:1,15,22 2:7 5:19 10: 21 20:4 44:21 unless [1] 28:3 unlikely [1] 30:6 unnecessary [1] 26:11 unrelated [1] 48:4 unsuccessfully [1] 3:19 until [4] 11:20 25:9 56:14 58:7 up [10] 31:20 32:19 36:2,20,21 41: 10 43:23 52:4 62:22 66:19 update [1] 63:11 urging [1] 36:14 useful [1] 26:18 uses [2] 20:18 36:5 using [6] 15:14,22 22:11 26:17 51: 19 66:2

vast [1] 40:21 versus [5] 3:5 4:12 35:11 37:17 38

# view [4] 27:9 29:15 51:11 59:14

wait [3] 26:5 27:8 30:16

waiting [1] 19:12

walking [1] 46:13 wants [3] 5:6 12:10 49:11 warn [8] 3:21 5:17,22 6:4 11:24 12: 5 48:1,24 warned [3] 5:15 15:10 65:6 warning [65] 3:16 4:11,13,20 5:1, 20,24 **6**:6,21 **7**:5 **9**:22,23 **11**:4,9, 25 **12**:10,11,12,24 **13**:13 **14**:10,15, 22 **15**:2 **16**:21 **18**:3,9 **19**:17,20 **20**: 17 **21**:7 **27**:7 **30**:15 **31**:9,21,22 **32**: 5,18 **33**:5,6,9,11 **34**:13 **35**:23 **38**:1, 5,9 **46**:12 **48**:9,14,17 **53**:19 **54**:13, 21 56:25 58:24 59:17,18 63:23 65: 18,22 66:5,6,8,9 warnings [11] 12:13 20:15 21:23 **22**:4 **24**:1,25 **26**:9,11,19 **31**:9 **53**:

warrant [2] 24:3 30:14 warranted [6] 9:6 11:4 20:16 49: 12 58:14 65:18 Washington [4] 1:10,18,21,24 way [18] 3:15 10:5,12 13:8 14:10, 21 16:12 23:7,11 27:22 29:15 38: 17 **47**:3 **53**:10 **56**:17 **62**:22 **65**:10 66:4 wavs [1] 51:10 whatever [4] 23:14 35:2 40:22 49: Whereupon [1] 67:1 whether [13] 4:23 15:1 23:5,8 29: 16 **30**:12,13 **31**:22 **43**:3 **50**:10 **58**: 17 63:22 25 whole 5 6:9 21:2 37:5 53:1,4 whom [1] 20:21 will 5 17:8 35:14 40:14,25 61:13 win [2] 17:13 24:13 withdraw [1] 65:14 within [1] 27:17 without [5] 22:15,25 23:24 47:7 56:14 woman [1] 55:4 women [5] 40:22 51:19 53:16 54: 20 66:2 word [2] 9:4 39:11 wording [9] 29:14 33:8 42:10 46:2, 7,8,15 **48:**10 **56:**5 words [6] **6**:12 **23**:4 **39**:13,19 **41**: 13 65:19 work [6] 11:4 29:23 49:11 64:7 65: 16.17 working [2] 4:5 26:23 world [2] 16:3 52:18 worlds [1] 30:24

worries [1] 40:19 worry [3] 55:25 56:1,2

wrap [1] 66:18

write [1] 37:9 writing [1] 57:25 written [2] 32:15 52:11 wrote [1] 35:10

Wyeth [4] 35:11,16 37:16 38:7

## X

X-ray [1] 56:3

# Υ

year [1] 42:11 years [2] 32:17 58:5