

BEFORE THE
SCIENTIFIC AND MEDICAL ACCOUNTABILITY
STANDARDS WORKING GROUP OF THE
INDEPENDENT CITIZENS' OVERSIGHT COMMITTEE
TO THE
CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE
ORGANIZED PURSUANT TO THE
CALIFORNIA STEM CELL RESEARCH AND CURES ACT
REGULAR MEETING

LOCATION: AS INDICATED ON THE AGENDA

DATE: JULY 24, 2013
10 A.M.

REPORTER: BETH C. DRAIN, CSR
CSR. NO. 7152

BRS FILE NO.: 94597

BARRISTERS' REPORTING SERVICE

I N D E X

ITEM DESCRIPTION	PAGE NO.
CALL TO ORDER	3
ROLL CALL	3
CONSIDERATION OF IMTERIM REGULATION REGARDING USE OF STEM CELL LINES	
PUBLIC COMMENT	

BARRISTERS' REPORTING SERVICE

1 SAN FRANCISCO, CALIFORNIA; JULY 24, 2013

2 12 P.M.

3

4 DR. LOMAX: WHY DON'T WE START WITH ROLL.
5 IT'S ONLY ONE PERSON WHO'S RESPONDED THAT I KNOW IS
6 NOT HERE ON-SITE, BUT HOPEFULLY TED PETERS WILL BE
7 ARRIVING SHORTLY.

8 SHERRY LANSING.

9 MS. LANSING: HERE.

10 DR. LOMAX: BERNARD LO.

11 CHAIRMAN LO: HERE.

12 DR. LOMAX: JEFF BODKIN.

13 DR. BODKIN: HERE.

14 DR. LOMAX: MARCY FEIT. TIM KAMP.

15 DR. KAMP: YES.

16 DR. LOMAX: ANN KIESSLING. KEN OLDEN.

17 FRANCISCO PRIETO.

18 DR. PRIETO: HERE.

19 DR. LOMAX: TED PETERS.

20 DR. PETERS: TED PETERS IS HERE, YES, ON

21 THE PHONE.

22 DR. LOMAX: OH, TERRIFIC. DOROTHY

23 ROBERTS.

24 DR. ROBERTS: YES. I'M HERE ON THE PHONE.

25 DR. LOMAX: TERRIFIC.

BARRISTERS' REPORTING SERVICE

1 JEFF SHEEHY.

2 MR. SHEEHY: HERE.

3 DR. LOMAX: PAT TAYLOR. ROBERT TAYLOR.

4 DR. TAYLOR: HERE.

5 DR. LOMAX: JONATHAN THOMAS.

6 CHAIRMAN THOMAS: HERE.

7 DR. LOMAX: JOHN WAGNER.

8 OKAY. WE MAY HAVE A COUPLE OF FOLKS

9 JOINING US.

10 CHAIRMAN LO: OKAY. I WOULD BE

11 INCLINED TO -- LET'S GO AHEAD AND START SINCE WE'RE

12 A LITTLE BEHIND OUR ORIGINAL AGENDA.

13 I FIRST WANT TO JUST WELCOME EVERYBODY.

14 THANK YOU FOR PARTICIPATING AND SORT OF INTERRUPTING

15 YOUR SCHEDULE. THIS IS AN IMPORTANT ISSUE THAT OUR

16 ADVICE WILL BE IMPORTANT FOR THE ICOC AS IT

17 CONSIDERS IT. AND SO I WANT TO JUST SORT OF MOVE

18 INTO IT AND FIRST START BY ASKING SHERRY TO SORT OF

19 GIVE US A CONTEXT AND HISTORY HOW THIS FITS IN WITH

20 WHAT THE SWG HAS DONE IN THE PAST. SHERRY.

21 MS. LANSING: SURE. THANK YOU, BERNIE.

22 AND I TOO WANT TO WELCOME EVERYBODY AND TELL YOU HOW

23 NICE IT IS TO HEAR SOME OF YOUR VOICES AGAIN. IT'S

24 BEEN A LONG TIME SINCE I'VE SEEN YOU IN PERSON, BUT

25 I REALLY APPRECIATE YOUR CONSISTENT INVOLVEMENT IN

BARRISTERS' REPORTING SERVICE

1 THIS COMMITTEE AND YOUR CONSISTENT COMMITMENT TO IT.

2 I THINK, AS ALL OF YOU REMEMBER, WHEN WE
3 FIRST FORMED THIS COMMITTEE, AND A LOT OF YOU WERE
4 THERE IN THE BEGINNING, WE ALWAYS SAID THAT WE WERE
5 A WORK IN PROGRESS, THAT WE WERE GOING TO MAKE
6 RECOMMENDATIONS AND GUIDELINES, BUT THAT WE WERE
7 GOING TO CONTINUALLY BE REVISITING THEM AS THE
8 SCIENCE DEVELOPS AND AS THE PUBLIC VIEWS CHANGE ON
9 THESE MATTERS.

10 AND TODAY IS SUCH AN EXAMPLE. I WANT TO
11 REMIND ALL OF YOU THAT THROUGHOUT OUR HISTORY WE
12 HAVE BEEN COMMITTED TO THE MEDICAL SAFETY OF WOMEN
13 WHO ARE DONATING OOCYTES FOR RESEARCH. AND WE'VE
14 BEEN COMMITTED TO THEIR INFORMED CONSENT TO
15 PARTICIPATE OR NOT IN RESEARCH INVOLVING THESE
16 DONATIONS. AND WE'VE ALSO BEEN COMMITTED TO
17 AVOIDING ANY UNDUE FINANCIAL INDUCEMENTS TO RESEARCH
18 SUBJECTS AND, IN FACT, WE HAVE NOT PAID THEM AT ALL.
19 AND AFTER I'M DONE SPEAKING, BERNIE AND GEOFF WILL
20 GO THROUGH ONCE AGAIN IN EVEN MORE DETAILS THE
21 REGULATIONS AND GUIDELINES THAT HAVE IMPLEMENTED
22 THIS COMMITMENT.

23 AND TODAY WE ARE NOT REALLY GOING TO
24 RECOMMEND ANY SUBSTANTIAL CHANGES TO THAT
25 COMMITMENT. BUT, AS I SAID EARLIER, WE'RE GOING TO

BARRISTERS' REPORTING SERVICE

1 RECONSIDER SOME OF OUR RECOMMENDATIONS BECAUSE THE
2 SCIENCE HAS CHANGED AND THE PUBLIC VIEW IN OTHER
3 STATES HAS ALSO CHANGED AND ALSO BECAUSE WE HAVE A
4 UNIQUE OPPORTUNITY TODAY TO ADVANCE THE SCIENCE.

5 SO TODAY WE'RE GOING TO LOOK AT THE
6 DERIVATION OF LINES THROUGH SCNT AND WE'RE GOING TO
7 LOOK AT THE BREAKTHROUGH IS BEING OFFERED TO US IN
8 AN EXCITING OPPORTUNITY TO INFORM STEM CELL RESEARCH
9 THAT'S TAKING PLACE IN CALIFORNIA. WE'RE GOING TO
10 LOOK AT SOME OF THESE NEW LINES THAT HAVE THE
11 POTENTIAL TO ADVANCE CIRM'S MISSION. AND DR.
12 TROUNSON IS GOING TO TALK TO YOU TODAY ABOUT SOME OF
13 THE SCIENTIFIC IMPLICATIONS THAT THESE NEW LINES
14 WILL HAVE FOR US.

15 NOW, THIS SITUATION IS A UNIQUE ONE
16 BECAUSE THESE LINES WERE DERIVED FROM OOCYTES FROM
17 WOMEN WHO GAVE INFORMED CONSENT TO DERIVE THESE SCNT
18 LINES FOR RESEARCH PURPOSES AND NOT TO ASSIST A
19 WOMAN IN INFERTILITY TREATMENT. BUT THESE DONORS
20 WERE PAID. AND THAT IS THE ONLY EXCEPTION THAT THE
21 OREGON PROTOCOL IS DIFFERENT IN THE SENSE THAT THESE
22 DONORS WERE PAID. BUT OTHER THAN THAT, THE WAY THAT
23 THESE WOMEN GAVE THEIR INFORMED CONSENT, THE WAY
24 THAT THEY DID REACH THEIR CONCLUSION MEETS AND IN
25 SOME CASES ACTUALLY EXCEEDS, AND THIS IS VERY

BARRISTERS' REPORTING SERVICE

1 IMPORTANT FOR YOU TO HEAR, ALL OF CIRM'S
2 REQUIREMENTS.

3 NOW, PROP 71, WE ALL KNOW, FORBIDS CIRM
4 FROM PAYING FOR ANY OOCYTE DONATIONS. SO I WANT TO
5 BE CLEAR, AND THIS IS VERY IMPORTANT, THAT NO CIRM
6 FUNDING WAS INVOLVED IN THESE LINES. SO THE
7 ESSENTIAL QUESTION THAT WE ARE ASKING TODAY OR WE
8 ARE CONSIDERING IS WHETHER CIRM FUNDS MAY BE USED
9 FOR RESEARCH USING STEM CELL LINES WHICH WERE
10 ALREADY DERIVED FROM WOMEN PAID AS PART OF DONATING
11 THESE OOCYTES FOR RESEARCH.

12 I THINK THAT PRETTY MUCH SUMS IT UP. AND
13 SO UNLESS THERE ARE ANY QUESTIONS, WHICH I KNOW
14 THERE ARE GOING TO BE A LOT OF AND A LOT OF HEALTHY
15 DISCUSSION, I'D LIKE TO TURN IT BACK TO YOU, BERNIE.

16 DR. LOMAX: WE HAVE YOU, SHERRY. HANG ON.
17 BERNIE, ARE YOU ON THE LINE?

18 CHAIRMAN LO: SORRY. I HAD MY MUTE BUTTON
19 ON.

20 MS. LANSING: WELL, I HOPE I EXPLAINED THE
21 CONTEXT FOR IT.

22 CHAIRMAN LO: YOU WERE WONDERFUL.

23 MS. LANSING: NO, IT'S NOT WONDERFUL. BUT
24 ANYWAY, THIS IS PART OF OUR CONTINUING PROCESS, AND
25 I THINK WE'RE LOOKING FOR AN EXCEPTION. AND WE NEED

BARRISTERS' REPORTING SERVICE

1 TO DISCUSS THIS THOROUGHLY. SO I'M NOW GOING TO
2 TURN IT BACK TO YOU.

3 CHAIRMAN LO: OKAY. THANKS, SHERRY. LET
4 ME JUST SAY SHERRY HAS, AS ALWAYS, VERY CLEARLY AND
5 ELOQUENTLY SUMMARIZED SORT OF THE BIG PICTURE FOR
6 US.

7 I WANT TO SORT OF DRILL DOWN A LITTLE BIT
8 MORE AND SORT OF JUST TO KICK OFF OUR DISCUSSION,
9 SORT OF HIGHLIGHT SOME OF THE ETHICAL ISSUES THAT
10 HAVE BEEN RAISED ON THIS GENERAL ISSUE WHICH I THINK
11 WILL BE PART OF OUR DELIBERATION TODAY.

12 AND, AS SHERRY SAID, WHAT'S IMPORTANT HERE
13 IS THAT, IN LIGHT OF THE NEW SCIENTIFIC DEVELOPMENTS
14 AND POLICY DEVELOPMENTS, ARE WE GOING TO RECOMMEND A
15 CHANGE IN THE REGULATIONS WITH REGARD TO CIRM
16 FUNDING. SO I'M NOT AS ELOQUENT AS SHERRY. I'M
17 STILL NOT WEANED OFF POWERPOINT, SO I NEED TO DRAW
18 UP A COUPLE OF POWERPOINT SLIDES. I JUST WANT TO GO
19 THROUGH THEM AGAIN TO SORT OF SET A FRAMEWORK.

20 AND I THINK, GEOFF, THESE WERE ALL SENT
21 OUT TO EVERYBODY AND HOPEFULLY YOU CAN LOOK AT THEM,
22 BUT I'LL JUST TALK. AS SHERRY SAID, THERE ARE THREE
23 ETHICAL CONCERNS THAT WE HAVE ADDRESSED IN THE PAST
24 WITH REGARD TO DONATION OF GAMETES AND PARTICULARLY
25 OOCYTES FOR STEM CELL RESEARCH. AND WE HAVE BEEN

BARRISTERS' REPORTING SERVICE

1 COMMITTED AND WE'VE WRITTEN, I THINK, REGULATIONS OR
2 RECOMMENDED REGULATIONS THAT ICOC HAS ADOPTED I
3 THINK WE CAN REALLY BE VERY PROUD OF IN TERMS OF
4 REALLY SETTING VERY HIGH STANDARDS FOR INFORMED
5 CONSENT FOR OOCYTE DONATION, PROTECTION AGAINST
6 UNDUE INFLUENCE FOR PAYMENT, AND PROTECTION ABOUT
7 UNDUE MEDICAL RISKS FOR OOCYTE DONORS DONATING.

8 AS SHERRY HAS SAID, WE HAVE HAD A LONG,
9 DEEP COMMITMENT TO THIS. AND I THINK IT'S REALLY
10 IMPORTANT THAT IN THE PUBLIC DISCUSSION THAT'S GOING
11 TO ENSUE WE BE VERY CLEAR THAT WE ARE UNWAVERING IN
12 OUR STRONG COMMITMENT TO THESE THREE KIND OF BEDROCK
13 ETHICAL PRINCIPLES.

14 I JUST WANT TO SAY THAT SOME OF THE
15 CONCERNS ON THESE THREE ISSUES HAVE BEEN RAISED BY
16 PEOPLE WHO ARE GENERALLY SUPPORTIVE OF HUMAN
17 EMBRYONIC STEM CELL RESEARCH. SO THESE CONCERNS RUN
18 BROAD IN THE COMMUNITY. I THINK WE NEED TO MAKE
19 SURE WE ARE CLEAR AND THAT WE ARTICULATE TO THE ICOC
20 AND THE PUBLIC OUR DEEP STANDING COMMITMENT TO
21 ADDRESSING THESE CONCERNS.

22 NOW, IN THE NEXT SLIDE I SAY THERE ARE TWO
23 OTHER ISSUES THAT COME UP WITH REGARD TO THESE LINES
24 THAT GIVE PEOPLE SOME PAUSE. AND ONE IS THE
25 CREATION OF EMBRYOS SPECIFICALLY FOR RESEARCH. MOST

BARRISTERS' REPORTING SERVICE

1 OF THE WORK THAT, CORRECT ME IF I'M WRONG, GEOFF,
2 BUT THE WORK WE HAVE FUNDED TO DATE IS FROM
3 EMBRYONIC STEM CELL LINES DERIVED FROM EMBRYOS THAT
4 ARE LEFT OVER WHEN A WOMAN HAS COMPLETED HER FAMILY
5 PLANNING -- COMPLETED HER FAMILY AND WISHES TO
6 DONATE THE FROZEN EMBRYOS TO RESEARCH AS OPPOSED TO
7 OTHER OPTIONS THAT SHE HAS CONSIDERED AND GIVEN
8 INFORMED CONSENT.

9 THIS IS CREATION OF EMBRYOS EXPRESSLY FOR
10 RESEARCH AND THE EXPRESS INTENTION OF CARRYING OUT
11 RESEARCH WITH THEM. AND THAT GIVES SOME PEOPLE
12 PAUSE. WE NEED TO KIND OF UNDERSTAND THAT AND KEEP
13 THAT IN MIND.

14 AND SECONDLY, THERE ARE PEOPLE WHO,
15 FRANKLY, ARE VERY STRONGLY OPPOSED TO ALL HUMAN
16 EMBRYONIC RESEARCH, WHO PROBABLY VOTED AGAINST PROP
17 71 AND HAVE NOT BEEN SUPPORTIVE OF THE FUNDING THAT
18 WE'VE BEEN CARRYING OUT UNDER STATE AUSPICES, BUT
19 ARE SAYING THAT THEY THINK THAT TO USE PUBLIC FUNDS
20 TO CROSS THAT LINE TO SUPPORT RESEARCH ON LINES THAT
21 WERE CREATED FROM EMBRYOS EXPRESSLY FOR RESEARCH IS
22 AN OBJECTION. SO THAT'S KIND OF WHERE THE
23 OPPOSITION, WHERE THE CONCERNS COME FROM. AND I
24 THINK WE NEED TO REALLY MAKE SURE WE UNDERSTAND AND
25 HAVE THOUGHT THOSE THROUGH AND ADDRESSED THEM.

BARRISTERS' REPORTING SERVICE

1 NOW, THERE ARE A COUPLE OF QUESTIONS THAT
2 WE NEED TO CONSIDER WITH REGARD TO WHAT LINES ARE
3 ELIGIBLE FOR CIRM FUNDING. ONE IS, AS SHERRY SAID,
4 WE'RE NOT PERMITTED UNDER PROP 71 TO ALLOW PAYMENT
5 OF DONORS TO DONORS OF OOCYTES, PERIOD. AND, YOU
6 KNOW, THERE'S SOME THOUGHT ABOUT CALIFORNIA
7 LEGISLATURE; BUT AS SHERRY SAID, WE'RE NOT PAYING
8 THE DONORS HERE. SOMEONE ELSE HAS PAID THEM WITH
9 OTHER FUNDS, AND NOW WE'RE REALLY ASKING WHETHER THE
10 LINES THAT ARE ALREADY IN EXISTENCE MAY BE USED BY
11 CIRM INVESTIGATORS.

12 THE SECOND ISSUE IS, AGAIN, GOING BACK TO
13 THE COMMITMENT THAT SHERRY REALLY EMPHASIZED, OUR
14 COMMITMENT TO OTHER ETHICAL STANDARDS REGARDING THE
15 DERIVATION OF STEM CELL LINES. IF THERE IS A LINE
16 THAT A CIRM RESEARCHER IS PROPOSING TO USE, SHOULD
17 THOSE LINES BE REQUIRED TO MEET THE MEDICAL AND
18 ETHICAL STANDARDS IN PLACE, BEST PRACTICES, AT THE
19 TIME OF DERIVATION? AND THAT WOULD INVOLVE CONSENT,
20 PROTECTIONS AGAINST UNDUE INDUCEMENT, AND
21 PROTECTIONS AGAINST UNDUE MEDICAL RISK TO THE WOMEN
22 WHO ARE DONATING.

23 AND ONE OF THE QUESTIONS THAT'S BEEN
24 RAISED IN THE PUBLIC DISCUSSION IS IS THERE AN
25 INCENTIVE FOR THE PEOPLE DERIVING THESE LINES TO TRY

BARRISTERS' REPORTING SERVICE

1 AND MAXIMIZE OR INCREASE THE YIELD OF OOCYTES AND
2 OOCYTE RETRIEVAL BY THE WOMAN DONATING TO RESEARCH
3 TO INCREASE THAT YIELD BEYOND WHAT WOULD BE SAFE,
4 MEDICALLY ACCEPTABLE IN THE OOCYTE STIMULATION
5 RETRIEVAL PROCESS.

6 AND THIS IS AN ISSUE, AGAIN, TO REMIND US,
7 THAT CIRM COMMISSIONED AN INSTITUTE OF MEDICINE
8 WORKSHOP AND THEN AFTER THAT COMMISSIONED A PANEL OF
9 ART EXPERTS TO ACTUALLY RECOMMEND GUIDELINES THAT
10 SHOULD BE FOLLOWED IN THE RETRIEVAL OF OOCYTES FOR
11 RESEARCH. AND THAT'S BEEN PUBLISHED IN THE
12 PEER-REVIEWED LITERATURE.

13 FINALLY, THERE'S AN ISSUE OF HOW MUCH DUE
14 DILIGENCE AND REVIEW PROCESS SHOULD CIRM GO THROUGH,
15 IF THERE IS APPROVAL THAT'S PERMITTED, BEFORE
16 GRANTING APPROVAL. I WANT TO JUST REMIND US OF A
17 SIMILAR ISSUE ON THE FEDERAL LEVEL. THE NIH MAY NOT
18 PAY FOR THE DERIVATION OF STEM CELL LINES, BUT IT
19 MAY SUPPORT RESEARCH ON LINES THAT HAVE ALREADY BEEN
20 DERIVED UNDER APPROPRIATE ETHICAL AND MEDICAL
21 STANDARDS.

22 AND THERE'S A COMMITTEE, THE NIH WORKING
23 GROUP FOR HUMAN EMBRYONIC STEM CELL ELIGIBILITY
24 REVIEW, INDEPENDENT OF EXPERTS OF THAT RECOMMEND TO
25 THE ADVISORY COMMITTEE TO THE DIRECTOR OF NIH OF

BARRISTERS' REPORTING SERVICE

1 WHETHER A PARTICULAR LINE SHOULD BE APPROVED OR NOT.
2 AND JEFF BODKIN CHAIRS THAT COMMITTEE. I'M
3 PRIVILEGED TO SERVE UNDER HIM AT THE NIH. AND JEFF
4 MAY WANT TO SPEAK TO THIS, BUT I THINK THE LEVEL OF
5 SCRUTINY BY THIS OUTSIDE PANEL IS VERY CAREFUL. WE
6 REVIEW DOCUMENTS, GO BACK AND ASK QUESTIONS SO THAT
7 WE REALLY MAKE SURE THAT THE NIH STANDARDS WITH
8 REGARD TO INFORMED CONSENT OVERSIGHT, THE ABSENCE OF
9 UNDUE INFLUENCE ARE MET BEFORE WE RECOMMEND TO THE
10 DIRECTOR THAT NIH FUNDING BE PERMITTED.

11 SO THAT'S AN ADDITIONAL -- I GUESS I
12 SHOULD JUST SAY THAT IT'S MY IMPRESSION THAT DR.
13 COLLINS, THE NIH DIRECTOR, REALLY WAS VERY CLEAR
14 THAT HE WANTED AN OUTSIDE EXPERT REVIEW OF WHETHER A
15 PARTICULAR LINE MET THE GENERAL STANDARDS.

16 SO THAT'S JUST SOME ADDITIONAL BACKGROUND
17 TO SORT OF HELP US FRAME THIS. AND UNLESS THERE ARE
18 CLARIFICATION QUESTIONS, THESE ARE ISSUES WE'RE
19 GOING TO DISCUSS IN THE REMAINDER OF THE CALL. I
20 WANTED TO TURN IT OVER TO GEOFF TO TELL US ABOUT
21 THESE LINES FROM OREGON HEALTH SERVICES UNIVERSITY
22 DERIVING LINES THROUGH THE SOMATIC CELL NUCLEAR
23 TRANSFER PROCESS, AND THEN WE'RE GOING TO HEAR ABOUT
24 THE SCIENTIFIC VALUE OF -- POTENTIAL SCIENTIFIC
25 VALUE FOR RESEARCH OF THESE LINES.

BARRISTERS' REPORTING SERVICE

1 SO, GEOFF, MAY I TURN THIS OVER TO YOU?

2 DR. PETERS: WHEN WE CAN RAISE OUR HANDS
3 AND GET ON THE SEQUENCE LIST, THIS IS TED PETERS.

4 CHAIRMAN LO: YEAH. MAYBE WE SHOULD STOP
5 HERE. I JUST WANT TO NOT DELVE INTO THE REAL MEAT
6 OF THE ETHICS DISCUSSION TILL WE'VE HEARD ABOUT
7 THESE PARTICULAR LINES. BUT IF THERE'S
8 CLARIFICATION OF THE HISTORY AND THE BACKGROUND OR
9 IF THERE ARE ETHICAL ISSUES, PLEASE RAISE THEM.
10 TED, SO WHY DON'T WE CALL ON YOU NOW?

11 DR. PETERS: I'LL TRY TO KEEP THIS BRIEF.
12 THANKS, BERNIE, TO YOU AND SHERRY FOR INTRODUCING
13 THIS. THINKING SPECIFICALLY ABOUT SHERRY'S
14 INTRODUCTION, IF I UNDERSTOOD IT CORRECTLY, THE
15 HEALTH COMMITMENT THAT WE HAVE MADE FOR WOMEN DONORS
16 WOULD BE BACKGROUND, AND THE FOREGROUND OR FOCUS
17 WOULD BE THIS PARTICULAR CARE OF CELL LINES THAT
18 HAVE INVOLVED MONEY TO THE DONORS.

19 AND THE QUESTION THAT I THINK YOU
20 PARTIALLY ANSWERED, BERNIE, BUT I'D LIKE TO SEE IF
21 IT'S ON SHERRY'S MIND, IS THAT PARTICULARLY THESE
22 PARTICULAR LINES, WE WOULD ACTUALLY INCENTIVIZE
23 OTHERS OUTSIDE CIRM TO PAY FOR LINES AND THEN TRY TO
24 GET THEM APPROVED. AND IF THAT'S THE CASE, WOULD
25 THAT IMPLY WE DON'T WANT TO CHANGE OUR STANDARDS?

BARRISTERS' REPORTING SERVICE

1 AT MOST, WE WOULD SIMPLY MAKE AN EXCEPTION IN THIS
2 CASE WITHOUT ANY CHANGE OF EXISTING STANDARDS. AM I
3 UNDERSTANDING CORRECTLY AT LEAST AS SHERRY HAS LAID
4 IT OUT?

5 CHAIRMAN LO: LET ME TAKE A FIRST CRACK
6 AND THEN ASK SHERRY AND GEOFF. IS JAMES HARRISON ON
7 THE CALL?

8 DR. LOMAX: PERHAPS, BERNIE, IF I
9 UNDERSTAND CORRECTLY, IT WAS A QUESTION TO THE
10 SUBSTANCE OF THE POLICY? IS THAT CORRECT?

11 CHAIRMAN LO: I THINK I WANT TO MAKE A
12 DISTINCTION BETWEEN THE ETHICAL STANDARDS THAT WE
13 HAVE HELD BY AND MADE RECOMMENDATIONS FOR THE
14 ETHICAL --

15 MS. LANSING: I THINK I CAN ANSWER THIS.

16 CHAIRMAN LO: OKAY. SHERRY, WHY DON'T YOU
17 GO AHEAD.

18 MS. LANSING: MAYBE I'M NOT UNDERSTANDING
19 IT. WE ARE NOT RECOMMENDING ANY CHANGES TO CIRM'S
20 POLICY IN THE STATE OF CALIFORNIA. BUT WE ARE THE
21 MOST CONSERVATIVE OF ANYONE. NOW, I HAVE ALWAYS
22 BEEN A BIG SUPPORTER OF OUR BEING THE MOST
23 CONSERVATIVE BECAUSE WE WERE THE FIRST.

24 THE QUESTION IS, AND I AM FORMING MY
25 OPINION LISTENING TO EVERYBODY, AND I DON'T WANT TO

BARRISTERS' REPORTING SERVICE

1 RUSH THE MEETING, I WANT TO HEAR IT, BUT THE
2 QUESTION IS OTHER STATES ARE DOING WHAT THEY'RE
3 DOING. THEY'VE MADE THEIR RULES. THEY ARE PAYING
4 FOR THESE WOMEN, BUT IN OREGON THEY FOLLOWED EVERY
5 SINGLE RULE THAT CIRM HAS EXCEPT THEY PAID THEM.
6 AND THERE'S ACTUALLY A BILL ON THE CALIFORNIA
7 LEGISLATURE, WHETHER IT PASSES OR NOT AND IT'S
8 IRRELEVANT FOR THIS DISCUSSION, WHERE THEY'RE
9 RECOMMENDING PAYING WOMEN. BUT OUR STANDARDS, YOU
10 KNOW, NO UNDUE PRESSURE, ALL THE THINGS THAT WE
11 WORKED SO HARD ON, THIS OREGON LINE MET AND EVEN
12 EXCEEDED.

13 SO THE QUESTION IS SINCE -- SOMEONE IS
14 GOING TO EXPLAIN. I THOUGHT IT WAS ALAN TROUNSON IS
15 GOING TO EXPLAIN WHY THIS LINE IS SO VITAL FOR
16 RESEARCH. THE QUESTION IS DO WE MAKE AN EXCEPTION
17 BECAUSE IT -- I DON'T WANT TO JUMP THIS, BUT I THINK
18 WE'RE GOING TO HEAR -- HAS REMARKABLE SCIENTIFIC
19 POTENTIAL, NOT TO CHANGE CIRM'S RULES, BUT TO TAKE A
20 LINE FROM ANOTHER STATE THAT WAS DEVELOPED WHERE
21 WOMEN WERE PAID, BUT ALL THE OTHER RULES ABOUT THEIR
22 CHOICES WERE FOLLOWED OR EVEN EXCEEDED CIRM'S RULES.
23 DID I SAY THAT CLEARLY FOR BERNIE AND FOR --

24 CHAIRMAN LO: THAT WAS VERY CLEAR. JAMES
25 HARRISON, DO YOU WANT TO JUST GIVE US A TECHNICAL OF

BARRISTERS' REPORTING SERVICE

1 LEGAL ISSUES ON WHAT WE'RE BEING ASKED TO DO HERE?

2 MR. HARRISON: LET ME JUST GET CLOSER TO
3 THE PHONE, BERNIE. SO AS SHERRY AND BERNIE
4 ARTICULATED EARLIER, IN 2006 CIRM ADOPTED A
5 REGULATION THAT GOVERNS THE USE OF COVERED STEM CELL
6 LINES AND THAT PROHIBITS USE OF A LINE DERIVED UNDER
7 CIRCUMSTANCES WHERE THE DONOR WAS COMPENSATED. LET
8 ME BE CLEAR THAT WE'RE NOT PROPOSING TO CHANGE IN
9 ANY WAY THE PROHIBITION ON USE OF CIRM FUNDS TO
10 COMPENSATE A DONOR.

11 WHAT WE'RE SUGGESTING FOR THE STANDARDS
12 WORKING GROUP'S CONSIDERATION IS CREATING A PATHWAY
13 OR A PROCESS FOR THE BOARD TO APPROVE USE OF A LINE
14 DERIVED WITHOUT CIRM FUNDS WHERE THE DONOR WAS
15 COMPENSATED.

16 SO THIS WOULD BE A PROCESS THAT WOULD
17 ENTAIL THE SUBMISSION OF A PROPOSAL TO CIRM AND THAT
18 WOULD IDENTIFY VARIOUS FACTORS FOR CONSIDERATION BY
19 THE BOARD, WHICH WOULD ULTIMATELY MAKE A
20 DETERMINATION WHETHER OR NOT TO APPROVE THE USE OF
21 CIRM FUNDS ON SUCH LINES.

22 SO THAT'S THE POLICY PROPOSAL THAT'S
23 BEFORE THE STANDARDS WORKING GROUP TODAY.

24 MS. LANSING: I WANT TO BE CLEAR, TED.
25 THIS IS ALREADY BEING DONE. THEY'RE ALREADY PAYING.

BARRISTERS' REPORTING SERVICE

1 SO THAT GENIE IN OTHER STATES ISN'T GOING TO GO BACK
2 INTO THE BOTTLE.

3 DR. PETERS: YEAH. RIGHT.

4 MS. LANSING: AND THE QUESTION IS -- I
5 MEAN I THINK I KNOW WHERE I COME OUT ON THIS, BUT
6 THE QUESTION IS DO WE HAVE THE RIGHT TO USE THOSE
7 LINES. I MEAN ARE WE RECOMMENDING THAT WE SHOULD
8 USE THOSE LINES BECAUSE OF THEIR SCIENTIFIC -- I
9 DON'T THINK WE'RE INCENTIVIZING OTHER PEOPLE TO DO
10 THIS BECAUSE THEY'RE ALREADY DOING IT. AND WE'RE
11 NOT CHANGING OUR RULES.

12 DR. PETERS: IS IT ON YOUR MIND THAT WE
13 MIGHT INCENTIVIZE PEOPLE IN OTHER STATES TO
14 COMPENSATE WOMEN DONORS THINKING THAT THEY COULD
15 THEN SEND THOSE TO CIRM? I GATHER YOU'RE NOT
16 WORRIED ABOUT THAT.

17 MS. LANSING: NO, I'M REALLY NOT BECAUSE I
18 GUESS -- YOU KNOW, I WANTED TO WAIT FOR THE WHOLE
19 DISCUSSION. BUT I DON'T THINK WE'RE INCENTIVIZING
20 THEM BECAUSE IT'S ALREADY BEEN DONE. I MEAN IT'S
21 ALREADY BEING DONE. WHAT PERCENTAGE OF STATES WHO
22 ARE DOING STEM CELL RESEARCH ARE PAYING THE WOMEN?
23 DO YOU KNOW THE ANSWER TO THAT, JAMES?

24 DR. LOMAX: WELL, OFFHAND WE HAVE REPORTS.
25 WE KNOW OF THE NEW YORK PROGRAM WHICH PAYS AND PAYS

BARRISTERS' REPORTING SERVICE

1 IF IT'S A STATE-FUNDED PROGRAM. SO IT'S A LITTLE
2 BIT UNIQUE IN THAT REGARD. AND THEN THE OREGON
3 PROGRAM WAS DONE WITH -- THE PROTOCOL IS ACTUALLY
4 FUNDED THROUGH PRIVATE FUNDS, BUT YOU COULD SAY
5 THERE WAS INDIRECT SUPPORT BECAUSE IT WAS DONE AT A
6 STATE INSTITUTION. SO YOU HAVE TWO FORMAL PROGRAMS
7 THAT WE'RE AWARE OF IN TWO STATES WHERE THERE IS
8 SIGNIFICANT CAPACITY FOR STEM CELL SCIENCE.

9 MS. LANSING: SO, NO, I DON'T THINK WE'RE
10 ENCOURAGING THEM. I THINK -- TWO THINGS DON'T
11 BOTHER ME. I DON'T THINK WE'RE INCENTIVIZING IT. I
12 HAVE TO BE VERY CLEAR. AND THE OTHER THING THAT
13 REALLY DOESN'T BOTHER ME AS A WOMAN, THIS I HAVE TO
14 SAY, IS THAT THESE WOMEN HAVE MADE THE CHOICE THAT
15 THEY WANTED THEIR OOCYTES USED FOR RESEARCH RATHER
16 THAN REPRODUCTIVE. AND ACTUALLY I THINK THAT'S A
17 HEALTHY CHOICE. I MEAN YOU HAVE THE RIGHT TO DO
18 WITH YOUR DONATION WHAT YOU WISH TO DO WITH IT. SO
19 THAT DOESN'T BOTHER ME EITHER.

20 I DON'T WANT TO JUMP THE GUN, BUT I ALMOST
21 FEEL IT'S IRRESPONSIBLE OF US NOT TO USE THESE
22 LINES. IF I HEAR HOW VALUABLE THEY ARE, WHICH I HAD
23 A LITTLE, YOU KNOW, BECAUSE OF CHAIRING THIS
24 COMMITTEE, HAD A TINY LITTLE PREVIEW OF, AND I DON'T
25 WANT TO JUMP THE MEETING. WE WILL BE BEHIND IN THE

BARRISTERS' REPORTING SERVICE

1 SCIENCE THEN, AND THAT'S WHAT WE HAVE TO DO.

2 DR. PETERS: THANK YOU VERY MUCH, SHERRY.
3 IT DOES CLARIFY IT. AND I'VE READ ABOUT THESE LINES
4 IN *SCIENCE AND NATURE*. AND YES, INDEED, OF COURSE,
5 IF IT'S THE BEST SCIENCE, WE WANT IT.

6 CHAIRMAN LO: OKAY. SO IT'S A GOOD
7 JUMPING OFF POINT TO HAVE, FIRST, GEOFF TELL US
8 ABOUT HOW THESE LINES IN OREGON WERE DERIVED. YOU
9 MADE A SITE VISIT AND LOOKED VERY CAREFULLY AT THE
10 CIRCUMSTANCES OF THE CONSENT AND RETRIEVAL, THE
11 LEVEL OF PAYMENT, AND SO FORTH. AND THEN WE HAVE
12 SOME PEOPLE WHO CAN ADDRESS THE SCIENTIFIC
13 UNIQUENESS OF THESE LINES AND WHAT RESEARCH WITH
14 THESE LINES MIGHT DO TO ADVANCE STEM CELL SCIENCE.

15 SO LET'S HOLD. I KNOW WE'RE GOING TO HAVE
16 A VIGOROUS DISCUSSION, WHICH I LOOK FORWARD TO. I
17 THINK THERE ARE PEOPLE IN THE AUDIENCE, RIGHT, THAT
18 MAY ALSO WANT A PUBLIC COMMENT WE WANT, WE NEED TO
19 GIVE TIME TO AND LISTEN TO. BUT LET'S MOVE AHEAD.
20 GEOFF, IF YOU COULD TALK ABOUT WHAT YOU FOUND OUT
21 ABOUT THE ACTUAL DERIVATION OF THESE LINES IN
22 OREGON.

23 DR. LOMAX: THANK YOU, BERNIE. SO IN
24 ADVANCE OF THIS MEETING, WE THOUGHT IT WOULD BE
25 PRUDENT TO SUBJECT THE OREGON DERIVATION PROTOCOL TO

BARRISTERS' REPORTING SERVICE

1 SORT OF OUR STANDARD PROTOCOL FOR GOING OUT AND
2 EVALUATING COMPLIANCE WITH CIRM REGULATIONS. AND WE
3 HAVE A LOT OF EXPERIENCE DOING COMPLIANCE VISITS.
4 IT'S SOMETHING WE'VE DONE AT EVERY MAJOR GRANTEE
5 INSTITUTION IN CALIFORNIA.

6 I'D LIKE TO ACKNOWLEDGE OREGON, WHO
7 DOESN'T RECEIVE A DIME FROM CIRM, FOR VOLUNTARILY
8 SUBJECTING ITSELF TO THE LEVEL OF INQUIRY BECAUSE WE
9 DEMANDED A LOT FROM THEM BOTH IN WRITING AND IN
10 TERMS OF PERSONNEL TIME ON OUR SITE VISIT.

11 SO TYPICALLY WHAT WE DO ON A SITE VISIT,
12 FIRST OF ALL, WE LOOK AT THE GRANT AWARDS OR THE
13 TYPE OF RESEARCH THAT'S BEING DONE AND IDENTIFY A
14 SERIES OF POLICY AND COMPLIANCE QUESTIONS THAT APPLY
15 TO THAT PARTICULAR RESEARCH. SO IN THIS CASE WE
16 LOOKED AT THE CIRM STANDARDS WITH REGARD TO USE OF
17 OOCYTES IN CIRM-FUNDED RESEARCH AND BUILT OUR
18 EVALUATION CRITERIA AROUND THOSE REGULATORY
19 REQUIREMENTS.

20 SO I'VE INCLUDED A SET OF SLIDES, AND THE
21 RATIONALE BEHIND THOSE BULLET POINTS IS TO SORT OF
22 CALL OUT SPECIFIC ITEMS THAT PERTAIN TO OUR
23 REQUIREMENTS ON OOCYTE DONATION. SO IT'S LIMITED IN
24 THAT SENSE, BUT OBVIOUSLY IT IS A BROADER SET OF
25 COMPLIANCE ISSUES AS WELL THAT I'D BE HAPPY TO

BARRISTERS' REPORTING SERVICE

1 ADDRESS, BUT I'LL FOCUS ON THE SPECIFIC REQUIREMENTS
2 THAT PERTAIN TO OOCYTE DONATION AND STEM CELL
3 RESEARCH.

4 SO THE ESCRO COMMITTEE AND CLINIC
5 PERFORMING THE OOCYTE RETRIEVAL DID CONFORM TO ALL
6 THE REQUIREMENTS WE WOULD EXPECT A CIRM GRANTEE TO
7 COMPLY WITH. I THINK ONE POINT THAT REALLY STOOD
8 OUT IS THAT THEY HAD A VERY COMPREHENSIVE PROCESS
9 FOR INFORMING INTERESTED PARTICIPANTS IN THE
10 RESEARCH PROTOCOL.

11 SO FIRST THEY WOULD SCREEN. THIS WAS A
12 TELEPHONE SCREEN. AND ONCE THEY WERE THROUGH THE
13 FIRST LEVEL OF SCREENING, PRIOR TO SIGNING UP FOR
14 THE STUDY, THEY ARE REQUIRED TO ATTEND AN
15 INFORMATION SEMINAR WHICH WAS HELD AT OREGON HEALTH
16 SCIENCES. IT INCLUDED A SERIES OF PRESENTATIONS BY
17 THE CLINICAL STAFF, RESEARCH STAFF. AND THAT WENT
18 INTO DETAIL IN TERMS OF WHAT THE RESEARCH WAS
19 INTENDED TO DO, HEALTH RISKS, THE VARIOUS SET OF
20 ISSUES THAT ONE WOULD INCORPORATE INTO AN INFORMED
21 CONSENT DOCUMENT, BUT IT WAS DONE IN A MULTIMEDIA
22 GROUP PARTICIPATION FORMAT.

23 ONCE THAT SEMINAR WAS FINISHED, THE DONORS
24 THEN WOULD LEAVE, WHICH GAVE THEM TIME TO
25 DELIBERATE. THERE WAS ROUGHLY AT LEAST A ONE-WEEK

BARRISTERS' REPORTING SERVICE

1 PERIOD PRIOR TO SOMEONE THEN COMING BACK AND BEING
2 CONSENTED. SO THIS NOTION THAT INDIVIDUALS HAD SOME
3 TIME TO REFLECT ON WHAT THEY WERE TOLD AND WHAT WAS
4 INVOLVED IN THE RESEARCH PRIOR TO ACTUALLY SIGNING
5 UP FOR THE RESEARCH.

6 THE INFORMED CONSENT DOCUMENTS, AGAIN,
7 MATCH UP WITH BOTH THE NATIONAL ACADEMIES OF
8 SCIENCES AND CIRM REQUIREMENTS. THE HEALTH RISK
9 SECTIONS ARE EXTREMELY EXTENSIVE, AND THEY
10 DOCUMENT -- EXTENSIVE IN THE SENSE THERE WERE, I
11 BELIEVE, THREE PAGES OF INFORMATION AND VERY
12 THOROUGH. THE DOCUMENT WAS DOMINATED BY INFORMATION
13 ABOUT POTENTIAL RISKS ASSOCIATED WITH OOCYTE
14 RETRIEVAL.

15 AND IN THE SORT OF DISCUSSION PART WITH
16 OREGON HEALTH SCIENCES, THIS COMES BACK TO THE POINT
17 SHERRY JUST RAISED, THERE WAS FAIRLY A SUBSET OF
18 DONORS THAT WERE INTERESTED IN THE STUDY BECAUSE
19 THEY EXPRESSED A PREFERENCE FOR RESEARCH DONATION
20 OVER REPRODUCTIVE USE.

21 CHAIRMAN LO: GEOFF, COULD I INTERRUPT YOU
22 A MINUTE JUST TO ASK FOR A FEW CLARIFYING POINTS?

23 DR. LOMAX: YES.

24 CHAIRMAN LO: FIRST, DID THESE WOMEN
25 RESPOND ON THEIR OWN TO AN AD THAT WAS PLACED?

BARRISTERS' REPORTING SERVICE

1 THESE WERE NOT WOMEN WHO OTHERWISE WERE COMING IN
2 FOR DONATION FOR CLINICAL IVF?

3 AND SECONDLY, COULD YOU SAY A LITTLE ABOUT
4 THE INFORMED CONSENT PROCESS? YOU MENTIONED THE
5 CONSENT DOCUMENTS. TELL US A LITTLE BIT ABOUT THE
6 WAY THAT THE ONE-ON-ONE DISCUSSIONS WERE HAD WITH
7 THE POTENTIAL OOCYTE DONORS, WHO DID THAT. WAS
8 THERE LOTS OF TIME FOR QUESTIONS AND THINGS LIKE
9 THAT?

10 DR. LOMAX: SURE. SO THE RECRUITMENT
11 REALLY DIDN'T DEVIATE IN ANY WAY FROM THE STANDARD
12 RECRUITMENT MODES USED FOR IVF DONORS. SO IT WOULD
13 BE THINGS LIKE ADS AND VARIOUS ADVERTISING MEDIA
14 THAT ARE TYPICALLY USED. IT'S JUST THAT THEY WERE
15 AWARE, THOUGH, THERE WAS OPTIONS. AND THEN IN THIS
16 CASE RESEARCH WAS INCLUDED IN THE AD AS OPPOSED TO
17 SIMPLY DONATING FOR REPRODUCTIVE USE. SO IN TERMS
18 OF THE MODE OF ADVERTISING, IT WAS CONSISTENT WITH
19 WHAT WOULD TYPICALLY BE DONE FOR IVF DONATION FOR
20 REPRODUCTIVE PURPOSES.

21 WE'RE ABLE TO -- AGAIN, AND AGAIN I WANT
22 TO ACKNOWLEDGE THE TIME AND EFFORT PUT IN BY THE
23 OREGON GROUP. SO THE INDIVIDUALS THAT PERFORMED THE
24 CONSENT WERE THERE. I MEAN SOME OF THE POINTS I'M
25 JUST SORT OF REFLECTING ON THESE FROM MEMORY. I

BARRISTERS' REPORTING SERVICE

1 THINK ON AVERAGE THE CONSENT PROCESS COULD EASILY
2 TAKE ABOUT AN HOUR, BUT I PROBABLY SHOULD GO BACK
3 AND CONFIRM THAT WITH THEM, BUT THAT WAS THE SENSE I
4 HAD FROM OUR DISCUSSIONS WITH THE CONSENTERS.

5 THERE WAS AMPLE TIME FOR QUESTIONS; BUT,
6 AGAIN, THE INDICATION -- A LOT OF QUESTIONS WERE
7 ASKED IN ADVANCE IN THE INFORMATIONAL SESSION AS
8 WELL. AND AFTER THE INFORMATIONAL SESSION, THEY
9 WERE GIVEN INFORMATION PACKETS. SO MY UNDERSTANDING
10 IS THE CONSENT PROCESS, WHILE THEY WENT THROUGH THE
11 FORM, IT WAS REALLY -- MY SENSE WAS IT WAS DOMINATED
12 BY THE OPPORTUNITY TO SORT OF ASK CLARIFYING
13 QUESTIONS AS WELL AS REALLY GO THROUGH THE CONSENT
14 FORM AS ONE TYPICALLY WOULD IN A CONSENT PROCESS.
15 OTHER THAN THAT, I'D HESITATE TO SAY A LOT MORE
16 WITHOUT KIND OF GOING BACK AND -- BY THE WAY, I JUST
17 WANT TO LET YOU KNOW THE OREGON GROUP HAD HOPED TO
18 BE ON THIS CALL, BUT THE PERSON WHO WAS GOING TO
19 REPRESENT THEM IS ALSO IN CLINIC TODAY. SO SHE
20 MAY --

21 DR. AMATO: GEOFF.

22 DR. LOMAX: YEAH.

23 DR. AMATO: THIS IS PAULA AMATO. I'M
24 SORRY. I DIDN'T KNOW IF YOU KNEW I WAS ON THE LINE.

25 DR. LOMAX: I DIDN'T.

BARRISTERS' REPORTING SERVICE

1 DR. AMATO: FOR THE LAST FEW MINUTES.

2 SORRY.

3 DR. LOMAX: SURE. DID I CHARACTERIZE THAT
4 ACCURATELY, AND WOULD YOU LIKE TO ADD ANYTHING TO
5 THE DESCRIPTION I GAVE?

6 DR. AMATO: THE ONLY THING I WOULD ADD IS
7 WE DID ADVERTISE SEPARATELY FOR THE RESEARCH DONORS
8 AND THE CLINICAL DONORS. SO SIMILAR-TYPE ADS, BUT
9 IN DIFFERENT PLACES. WE HAVE A RESEARCH WEB SITE
10 AND THEN WE HAVE A CLINICAL IVF WEB SITE. SO PEOPLE
11 THAT RESPONDED WERE RESPONDING TO THE RESEARCH
12 DONATION ADS.

13 DR. LOMAX: SO THE POINT IS THEY WEREN'T
14 COMBINED. IT WAS THE SAME MODE OF ADVERTISING, BUT
15 A CLEAR DISTINCTION BETWEEN RESEARCH AND IVF.

16 DR. AMATO: CORRECT. CORRECT. AND THEN
17 THE CONSENT PROCESS, I'M THE ONE WHO GAVE THE
18 INFORMATIONAL SEMINAR ALONG WITH THE RESEARCH STAFF.
19 AND THEN THE INDIVIDUAL CONSENTING WAS DONE BY ONE
20 OF THE RESEARCH STAFF AND THEN MYSELF AS WELL PAGE
21 BY PAGE. YEAH, IT TAKES ABOUT HALF AN HOUR, 45
22 MINUTES TO GO THROUGH THE DOCUMENT IN DETAIL.

23 CHAIRMAN LO: I APPRECIATE, DR. AMATO, YOU
24 BEING ON THE CALL. THERE MAY WELL BE QUESTIONS
25 LATER FOR YOU.

BARRISTERS' REPORTING SERVICE

1 DR. AMATO: OKAY. SURE. I AM SEEING
2 PATIENTS, AS GEOFF MENTIONED, SO I MIGHT HAVE TO POP
3 OFF, BUT I CAN BE ON FOR THE NEXT FEW MINUTES.

4 CHAIRMAN LO: GEOFF, WHY DON'T WE DO THIS.
5 WHY DON'T WE SIT AND LET YOU FINISH YOUR
6 PRESENTATION, AND MAYBE WE COULD ASK QUESTIONS
7 SPECIFICALLY OF DR. AMATO IF THERE ARE QUESTIONS
8 INVOLVING WHAT THE PROCESS WAS AT OHIC.

9 DR. LOMAX: AND I'LL TRY TO GO QUICKLY
10 THROUGH THIS. SO LET ME JUST DO THAT; AND THEN IF
11 THERE'S QUESTIONS, PLEASE COME BACK WITH THEM.

12 I THINK THE IMPORTANT -- AND THIS IS
13 DOCUMENTED BOTH IN THE JOURNAL PAPER AND WE REVIEWED
14 THIS DURING THE SITE VISIT. WE PUT OUT VERY, I
15 THINK, CONSERVATIVE GUIDELINES FOR OOCYTE DONATION.
16 THESE ARE QUANTITATIVE GUIDELINES IN TERMS OF THE
17 ACTUAL CLINICAL PROTOCOL. THOSE GUIDELINES WERE MET
18 OR EXCEEDED IN THIS PROTOCOL.

19 IN ADDITION, SOMETHING THAT WAS, I THINK,
20 VERY IMPORTANT IN THE CIRM REQUIREMENTS WAS THAT
21 THERE WAS A MECHANISM IN PLACE TO AVOID ANY
22 OUT-OF-POCKET EXPENSE TO DONORS IN THE EVENT OF ANY
23 MEDICAL COMPLICATION. IN THIS CASE THE OREGON
24 HEALTH SCIENCES TEAM PURCHASED INDIVIDUAL INSURANCE
25 POLICIES FOR THE DONOR AT NO COST TO THEM IN THE

BARRISTERS' REPORTING SERVICE

1 EVENT OF A COMPLICATION. AND THAT WOULD BE TO AVOID
2 ANY OUT-OF-POCKET EXPENSES.

3 AGAIN, THE INFORMED CONSENT WAS EXTENSIVE.
4 AND, AGAIN, I JUST HAVE TO -- I WILL SORT OF ONCE
5 AGAIN STATE THAT THE TEAMS WERE EXTREMELY RESPONSIVE
6 TO A LOT OF PRODDING AND PROBING AND A LOT OF
7 QUESTIONS. AND I JUST HAVE TO ACKNOWLEDGE THAT
8 BECAUSE HAVING A LOT OF EXPERIENCE ON SITES AT
9 DIFFERENT RESEARCH INSTITUTIONS, IT WAS AN
10 EXCEPTIONAL TEAM, AND THEY WERE EXCEPTIONALLY
11 THOROUGH AND RESPONSIVE.

12 CHAIRMAN LO: GEOFF, LET ME JUST SAY, TO
13 CLARIFY FOR THE STANDARDS WORKING GROUP, THAT WE'RE
14 NOT BEING ASKED TO RECOMMEND APPROVAL OF THIS
15 PARTICULAR LINE. WE'RE BEING ASKED IF WE WISH TO
16 RECOMMEND A PROCESS BY WHICH CIRM MAY ALLOW LINES
17 LIKE THIS TO BE USED IN CIRM-FUNDED RESEARCH
18 PROJECTS. BUT WE'RE USING THIS AS EXAMPLE, SO TO
19 SPEAK, A TEST CASE, TO SEE WHAT KINDS OF CONCERNS
20 MIGHT COME OUT. BUT WE'RE NOT BEING ASKED TO
21 APPROVE THIS PARTICULAR LINE. IS THAT CORRECT,
22 JAMES AND GEOFF?

23 MR. HARRISON: YOU STATED IT CORRECTLY,
24 BERNIE.

25 CHAIRMAN LO: OKAY. GREAT. SO SINCE DR.

BARRISTERS' REPORTING SERVICE

1 AMATO IS INTERRUPTING HER DAY, DO ANY OF THE SWG
2 MEMBERS HAVE A QUESTION FOR HER THAT WOULD HELP US
3 UNDERSTAND WHAT PROCEDURES WE MIGHT WISH TO
4 RECOMMEND?

5 MR. HARRISON: BERNIE, I THINK JEFF SHEEHY
6 HAS A QUESTION.

7 CHAIRMAN LO: JEFF, PLEASE. I CAN'T TELL
8 WHO'S GOT THEIR HAND UP.

9 MR. SHEEHY: CAN YOU HEAR ME?

10 CHAIRMAN LO: IF YOU COULD GET CLOSE TO
11 THE PHONE, JEFF, THAT WOULD BE EVEN BETTER. SORRY.

12 MR. SHEEHY: I REALLY HAVE TWO QUESTIONS.
13 SO IF THERE'S AN INSURANCE POLICY THAT'S PURCHASED,
14 HOW LONG IS THAT ACTIVE? WAS THAT JUST FOR THE
15 COURSE OF THE RESEARCH, OR DOES THAT COVER A PERIOD
16 OF YEARS?

17 AND THEN THE SECOND QUESTION IS WHAT KIND
18 OF LONG-TERM FOLLOW-UP IN TERMS OF HEALTH OUTCOMES?
19 IS THERE A RESEARCH -- YOU KNOW, ARE THEY GOING TO
20 BE FOLLOWED UP -- IS THERE A LARGER RESEARCH
21 PROJECT? I THINK THIS IS SOMETHING WE'VE BEEN
22 TALKING ABOUT SINCE THIS ISSUE CAME UP AND BEEN
23 BEFORE US. IS THERE ANY KIND OF LONG-TERM LOOK AT
24 WHAT THE HEALTH OUTCOMES ARE FOR DOING THESE TYPES
25 OF DONATIONS FOR THESE PATIENTS, PARTICIPANTS? SO

BARRISTERS' REPORTING SERVICE

1 THOSE ARE MY TWO QUESTIONS.

2 CHAIRMAN LO: THANKS, JEFF. DR. AMATO.

3 DR. AMATO: SURE. FIRST, I'D LIKE TO SAY
4 I APPRECIATE THE INVITATION TO BE ON THE CALL AND
5 THE OPPORTUNITY TO ANSWER QUESTIONS.

6 SO REGARDING YOUR FIRST QUESTION REGARDING
7 THE MEDICAL INSURANCE POLICY, THAT IS TERM LIMITED
8 AND IT JUST COVERS SORT OF ADVERSE EVENTS RELATED TO
9 THE CYCLE AND UP TO, I BELIEVE IT'S, 30 DAYS POST.
10 SO SHORT, BUT IT COVERS THE CYCLE.

11 THE SECOND QUESTION, WE PERSONALLY DON'T
12 HAVE ANY LONG-TERM RESEARCH PROJECT TO LOOK AT
13 LONG-TERM OUTCOMES. WE CERTAINLY HAVE ALL THE
14 CONTACT INFORMATION OBVIOUSLY OF THESE DONORS, SO
15 THAT'S CERTAINLY SOMETHING WE COULD DO. I THINK
16 IT'S A GREAT IDEA. THERE'S BEEN SOME RESEARCH ON
17 LONG-TERM FOLLOW-UP OF FERTILITY DONORS, AND WE
18 EXPECT THE OUTCOMES TO BE SIMILAR, ALTHOUGH THERE
19 COULD BE DIFFERENCES. SO I THINK THAT'S AN
20 INTERESTING POINT. AT THE MOMENT WE DON'T HAVE ANY
21 PLANS OR APPROVED PROTOCOL TO DO THAT, BUT IT'S
22 SOMETHING WE MAY DO IN THE FUTURE.

23 MS. LANSING: AND WHAT WERE THE LONG-TERM
24 HEALTH OUTCOMES ON FERTILITY DONORS?

25 DR. AMATO: MOSTLY THEY WERE -- SO THESE

BARRISTERS' REPORTING SERVICE

1 WERE MOSTLY SURVEY STUDIES AND LOOKED AT
2 PSYCHOLOGICAL RISKS MOSTLY. THEY WERE, YOU KNOW, DO
3 YOU REGRET YOUR DONATION? HOW DO YOU FEEL ABOUT IT?
4 AND AS FAR AS FERTILITY DONORS, MOST OF THAT DATA,
5 AND, AGAIN, IT'S LIMITED, BUT MOST OF THAT DATA IS
6 REASSURING THAT PEOPLE WERE HAPPY WITH THEIR
7 DECISION THAT THEY MADE SEVERAL YEARS PRIOR.

8 CHAIRMAN LO: DR. AMATO OR GEOFF, MAYBE
9 YOU COULD CLARIFY. IN TERMS OF THE RECOMMENDATIONS
10 OF THE CIRM WORKING GROUP ON ALL OF THESE DONATIONS,
11 WHAT WAS THE NATURE OF THE INSURANCE THAT WAS
12 RECOMMENDED TO IMPLEMENT THE CIRM STANDARD THAT THIS
13 GROUP RECOMMENDED THAT THERE BE INSURANCE? AND IS
14 THIS COMPARABLE TO THE INSURANCE THAT OOCYTE DONORS
15 HAVE AVAILABLE TO BE GIVEN IF THEY'RE DONATING IN
16 THE CONTEXT OF INFERTILITY?

17 DR. LOMAX: SO OUR STANDARD -- WE HAD -- I
18 KNOW A NUMBER OF THE MEMBERS WEREN'T PRESENT AT THAT
19 TIME, SO JUST AS A QUICK REFRESHER. WE HAD
20 CONSIDERABLE DISCUSSION OF THIS POINT. THE TERM OF
21 THE INSURANCE THAT WAS SOMETHING WAS AN ISSUE. AND
22 AS A RESULT, OUR STANDARD READS DIRECT AND
23 PROXIMATE. SO --

24 CHAIRMAN LO: COMPLICATION.

25 DR. LOMAX: YEAH. SO I WOULD INTERPRET

BARRISTERS' REPORTING SERVICE

1 THAT TO BE THAT THE OREGON APPROACH WAS
2 SUBSTANTIALLY SIMILAR TO OUR REGULATORY REQUIREMENT
3 BECAUSE THIS NOTION OF DIRECT AND PROXIMATE IS
4 TRYING TO CAPTURE ACUTE HEALTH OUTCOMES THAT WOULD
5 HAPPEN IN THE COURSE OF THE OOCYTE RETRIEVAL
6 PROCESS. THAT'S CERTAINLY -- I THINK THE RECORD OF
7 THE STANDARDS WORKING GROUP REFLECTS THAT INTENT AS
8 WELL.

9 CHAIRMAN LO: ANY OTHER QUESTIONS FOR DR.
10 AMATO? GEOFF, YOU CAN JUST KEEP SENDING ME E-MAILS
11 OF WHO WANTS TO SPEAK. I GUESS ALSO MAYBE THOSE OF
12 YOU ON THE PHONE WHO WANT TO SPEAK COULD SEND ME AN
13 E-MAIL.

14 DR. ROBERTS: OKAY. CAN YOU HEAR ME?
15 THIS IS DOROTHY.

16 CHAIRMAN LO: YES, PLEASE.

17 DR. ROBERTS: OKAY. SO I HAVE A COUPLE
18 QUESTIONS. ONE RELATES TO WHAT JEFF WAS JUST ASKING
19 ABOUT IN TERMS OF LONG-TERM FOLLOW-UP. I MEAN MY
20 UNDERSTANDING IS THAT THERE AREN'T STUDIES OF
21 LONG-TERM HEALTH RISKS TO OOCYTE DONORS. AND I
22 WONDERED IF THAT INFORMATION WAS PART OF THE
23 INFORMED CONSENT PROCESS. IN OTHER WORDS, LETTING
24 DONORS KNOW THAT WE DON'T KNOW FOR SURE WHAT THE
25 HEALTH RISKS ARE. AND I THINK THAT SHOULD BE PART

BARRISTERS' REPORTING SERVICE

1 OF OUR CONSIDERATION IN THINKING ABOUT AN EXCEPTION
2 TO THE POLICY.

3 AND THEN THE OTHER QUESTION I HAD WAS
4 ABOUT THE NUMBER OF EGGS THAT WERE RETRIEVED FROM
5 THE DONORS AND WHETHER IT IS THE CASE THAT THERE
6 WERE AT LEAST ONE WOMAN, IF NOT MORE, FOR WHOM MORE
7 THAN 20 EGGS WERE RETRIEVED.

8 DR. AMATO: OKAY. THIS IS DR. AMATO
9 AGAIN. I'LL ANSWER YOUR SECOND QUESTION FIRST. I
10 DON'T REMEMBER OFF THE TOP OF MY HEAD IF THERE WAS
11 ANYBODY THAT YIELDED MORE THAN 20 EGGS. THERE MAY
12 HAVE BEEN, BUT THAT'S SOMETHING, YOU KNOW, WE CAN'T
13 CONTROL. I THINK OUR STIMULATION PROTOCOL WAS
14 CONSISTENT WITH CLINICAL GUIDELINES AND THE PAPER
15 THAT WAS PUBLISHED REGARDING GUIDELINES FOR STEM
16 CELL RESEARCH. IN SOME CASES THERE MAY HAVE BEEN
17 MORE EGGS. BUT CERTAINLY FROM A SAFETY POINT OF
18 VIEW, IF YOU HAVE TO RETRIEVE ALL THE FOLLICLES,
19 THAT DECREASES YOUR RISK OF OVARIAN STIMULATION. SO
20 WE WOULD NEVER LEAVE FOLLICLES BEHIND IF THEY HAPPEN
21 TO DEVELOP.

22 THE FIRST QUESTION WAS REGARDING LONG-TERM
23 RISKS. WE DID TELL THEM THAT, YES, THERE MAY BE
24 RISKS THAT WE'RE NOT AWARE OF. AS FAR AS WE KNOW,
25 THERE AREN'T ANY LONG-TERM RISKS. WE DISCUSS --

BARRISTERS' REPORTING SERVICE

1 SEVERAL YEARS AGO THERE WAS SOME QUESTION ABOUT
2 WHETHER FERTILITY MEDICATIONS WERE ASSOCIATED WITH
3 OVARIAN CANCER AND WE TALK ABOUT THAT. BUT --

4 MS. LANSING: CAN YOU JUST TELL ME,
5 BECAUSE I'M JUST CURIOUS, WHAT WAS THE CONCLUSION?
6 IS IT NOT DEFINITIVE?

7 DR. AMA: REGARDING OVARIAN CANCER?

8 MS. LANSING: YES.

9 DR. AMATO: IT WAS NOT DEFINITIVE,
10 CORRECT. THERE'S SEVERAL STUDIES OUT THERE, AND WE
11 DON'T BELIEVE THAT THERE IS AN INCREASED RISK, BUT
12 IT ALWAYS COMES UP IN THE CONSENT PROCESS.

13 MS. LANSING: BUT YOU DO TELL THE WOMEN
14 THAT WE DON'T KNOW.

15 DR. AMATO: ABSOLUTELY.

16 MS. LANSING: OKAY. THAT WAS MY QUESTION.

17 DR. AMATO: SAME WITH PSYCHOLOGICAL RISK.
18 I MEAN, AGAIN, THERE'S LIMITED DATA, BUT NOT A LOT
19 OF DATA.

20 CHAIRMAN LO: DR. AMATO, IF I COULD PRESS
21 ON THIS BECAUSE I THINK THIS IS IMPORTANT. SO MY
22 UNDERSTANDING, AND I'M NOT A REPRODUCTIVE
23 ENDOCRINOLOGIST OR EVEN AN OB-GYN, IS THAT THE
24 RECOMMENDATIONS ARE TO MONITOR THE NUMBER OF
25 FOLLICLES DEVELOPING AND TO ADJUST -- BY ULTRASOUND

BARRISTERS' REPORTING SERVICE

1 AND TO ADJUST THE LEVEL OF STIMULATION DOWNWARD IF
2 THERE APPEARS TO BE TOO MANY FOLLICLES DEVELOPING
3 AND TO TERMINATE THE CYCLE IF YOU THINK THERE'S A
4 RISK OF, I DON'T KNOW, PREMATURE RUPTURE. IS THAT
5 ACCURATE?

6 DR. TROUNSON: YEAH. BERNIE, DAVID
7 ADAMSON IS HERE IN TOWN. DAVE ADAMSON IS THE PAST
8 PRESIDENT OF THE AMERICAN SOCIETY FOR REPRODUCTIVE
9 MEDICINE. HE'S HERE WITH US AND MIGHT LIKE TO MAKE
10 A COMMENT ON THOSE THINGS BECAUSE HE'S BEEN
11 INSTRUMENTAL IN FOLLOWING ALL OF THESE ISSUES, OF
12 COURSE, AS HEAD OF THE AMERICAN SOCIETY.

13 CHAIRMAN LO: IF I COULD MAYBE ASK DR.
14 AMATO FIRST. AND THEN, DR. AMATO, IF I MAY, MAY I
15 ASK A QUESTION. WHEN ONE READS THE PUBLIC
16 DISCUSSION, THERE ARE ALSO CONCERNS THAT WOMEN MAY
17 HAVE IMPAIRMENT OF FERTILITY AS A RESULT OF DONATING
18 OOCYTES EVEN IN THE REPRODUCTIVE CONTEXT. WAS THAT
19 DISCUSSED DURING THE CONSENT PROCESS?

20 AND AFTER THAT, I WOULD BE GRATEFUL TO
21 ALSO CALL ON DR. ADAMSON.

22 DR. AMATO: SO WE FOLLOWED CLINICAL
23 PROTOCOLS AND WE CERTAINLY TURN DOWN THE DOSE AS WE
24 PROGRESS WITH THE STIMULATION. IF WE WERE REALLY
25 WORRIED ABOUT SOMEBODY, WE WOULD ON OCCASION CANCEL

BARRISTERS' REPORTING SERVICE

1 THE CYCLE, BUT WE NEVER HAD TO DO THAT. THERE WERE
2 NOT ADVERSE EVENTS WITH THIS COHORT OF DONORS THAT
3 PARTICIPATED IN THE SCNT TRIAL.

4 AND THEN THE OTHER QUESTION?

5 CHAIRMAN LO: CONCERNS ABOUT LONG-TERM
6 FERTILITY.

7 DR. AMATO: RIGHT. SO THERE ARE NO KNOWN
8 LONG-TERM EFFECTS ON FERTILITY BARRING ANY MAJOR
9 COMPLICATIONS. SO OBVIOUSLY IF THERE'S SEVERE
10 INFECTION AS A RESULT OF THE PROCEDURE OR HEMORRHAGE
11 RESULTING IN LOSS OF AN OVARY OR SOMETHING LIKE
12 THAT, BUT THOSE CASES ARE VERY EXCEPTIONAL.
13 OTHERWISE, FROM WHAT WE KNOW, DONATING DOES NOT
14 AFFECT FUTURE FERTILITY.

15 CHAIRMAN LO: AND WAS THAT DISCUSSED IN
16 THE INFORMATION SESSION?

17 DR. AMATO: YES.

18 CHAIRMAN LO: OKAY. THAT'S VERY HELPFUL.

19 DR. ADAMSON, YOU'RE AN EXPERT IN
20 FERTILITY. ANYTHING YOU WOULD WANT TO ADD TO THE
21 DISCUSSION HERE?

22 DR. ADAMSON: THANK YOU VERY MUCH FOR
23 GIVING ME THE OPPORTUNITY TO MAKE A COMMENT. I
24 WOULD AGREE ACTUALLY WITH WHAT DR. AMATO SAID. JUST
25 TO PUT SOME PERSPECTIVE ON THIS, THERE HAVE BEEN

BARRISTERS' REPORTING SERVICE

1 PROBABLY OVER 20 MILLION CYCLES OF EGG RETRIEVALS
2 PERFORMED GLOBALLY, OVER 20 MILLION. I KNOW THIS
3 BECAUSE I'M CHAIR OF THE INTERNATIONAL COMMITTEE
4 MONITORING ART, WHICH PUBLISHES ANNUALLY THE GLOBAL
5 RESULTS OF IVF.

6 AND SO IT'S TRUE THAT THERE ARE NO
7 25-YEAR-LONG STUDIES WITH A MILLION PATIENTS, BUT
8 THERE'S 20 MILLION PATIENTS WITH EXPERIENCE, AND
9 THERE HAVE NOT BEEN LONG-TERM RISKS THAT HAVE BEEN
10 IDENTIFIED. THERE HAVE BEEN A NUMBER OF STUDIES
11 THAT HAVE BEEN DONE, BUT IT'S DIFFICULT TO PROVE A
12 NEGATIVE. SO THESE STUDIES HAVE NOT BEEN ABLE TO
13 PROVE THAT THERE ARE NO RISKS, BUT THEY HAVE NOT
14 IDENTIFIED RISKS EITHER. AND THIS INCLUDES RISKS OF
15 OVARIAN CANCER, WHICH WERE INITIALLY SUGGESTED OVER
16 20 YEARS AGO, BUT APPROXIMATELY A DOZEN STUDIES
17 SINCE THEN HAVE NOT BEEN ABLE TO DOCUMENT AN
18 INCREASED RISK OF OVARIAN CANCER. WITH SOME DRUGS,
19 NOT THE DRUGS USED IN IVF, WITH POLESINE (PHONETIC)
20 THERE MAY BE AN INCREASED RISK, A SMALL INCREASED
21 RISK, OF BORDERLINE OVARIAN TUMORS, BUT THESE ARE
22 NOT THE DRUGS USED WITH IVF.

23 PSYCHOLOGICAL LONG-TERM RISKS, CANCER
24 RISKS, AND FUTURE FERTILITY RISKS HAVE BEEN
25 ASSESSED, AND IT'S NOT BEEN DEMONSTRATED TO SHOW ANY

BARRISTERS' REPORTING SERVICE

1 INCREASED RISK. SO, AGAIN, CAN'T APPROVE A NEGATIVE
2 EASILY, BUT 20 MILLION CYCLES OVER BETTER THAN A
3 QUARTER CENTURY WOULD SUGGEST THAT THERE ARE EITHER
4 NOT SIGNIFICANT RISKS OR EXTREMELY RARE RISKS.

5 THE SCANDINAVIAN COUNTRIES NOW ARE
6 PERFORMING LONG-TERM FOLLOW-UP STUDIES AND WE'RE
7 STARTING TO GET BETTER DATA ON THE HEALTH OF BOTH
8 BABIES FOR FERTILITY PATIENTS AND OF MOTHERS WHO
9 HAVE DONE THIS. THERE ARE ALSO SOME STUDIES
10 STARTING IN THE U.S. TO LOOK AT LONG-TERM FOLLOW-UP.
11 AND HERE IN CALIFORNIA THERE HAVE BEEN SOME
12 INITIATIVES. WE'RE BEGINNING TO TRY TO IDENTIFY A
13 LONG-TERM REGISTRY IN CALIFORNIA. THERE ARE MANY
14 ISSUES OBVIOUSLY, INCLUDING COST, CONFIDENTIALITY,
15 ETC. SO I WOULD AGREE WITH DR. AMATO'S COMMENTS.

16 I WOULD ALSO STATE THAT I THINK IN ALL
17 REPUTABLE PROGRAMS, THE PATIENTS ARE DEFINITELY
18 INFORMED OF THE LACK OF 10-, 20-YEAR STUDIES. AND
19 IN ADDITION, I WOULD REALLY EMPHASIZE THAT IN THE
20 RESEARCH SITUATION, IT IS VERY EASY AND, I BELIEVE,
21 APPROPRIATE TO PUT PROTOCOLS IN PLACE WHICH WILL
22 ABSOLUTELY MINIMIZE THE RISK OF OVARIAN
23 HYPERSTIMULATION OR INFECTION OR OTHER
24 COMPLICATIONS, LIKE CAREFUL PATIENT SELECTION AND
25 CAREFUL USE OF PROTOCOLS. AND I THINK THESE ARE NOT

BARRISTERS' REPORTING SERVICE

1 ONLY POSSIBLE, BUT I THINK VERY IMPORTANT IN THE
2 RESEARCH STUDIES. THANK YOU.

3 CHAIRMAN LO: THANK YOU VERY MUCH. I
4 DIDN'T HAVE A CHANCE PREVIOUSLY. THANK YOU FOR
5 MAKING YOURSELF AVAILABLE TO ANSWER THE QUESTIONS TO
6 HELP US.

7 DR. LOMAX: BERNIE, WE HAVE ONE QUESTION
8 HERE IN SAN FRANCISCO.

9 CHAIRMAN LO: IF YOU COULD SEND ME A LIST,
10 GEOFF, OF PEOPLE BECAUSE I HAVE IN ORDER JEFF BODKIN
11 AND ROB TAYLOR HAD QUESTIONS THEY WANTED TO POSE
12 OVER THE PHONE, AND THEN I TAKE IT THERE ARE PEOPLE
13 THERE WHO HAVE QUESTIONS AS WELL. JEFF, YOU WANT TO
14 GO NEXT?

15 DR. BODKIN: SURE. THANKS. AND I WANTED
16 TO GET BACK TO THE COMPENSATION ISSUE IF THAT'S ALL
17 RIGHT.

18 CHAIRMAN LO: PLEASE.

19 DR. BODKIN: I WANT TO SAY AT THE
20 BEGINNING I'M VERY IMPRESSED WITH THE THOUGHTFULNESS
21 AND CARE FOR THIS WHOLE DISCUSSION. SO VERY MUCH
22 APPRECIATE THAT.

23 SO IN TERMS OF THE COMPENSATION POLICY,
24 WE'RE, I THINK, USING THAT TERM FAIRLY BROADLY. AND
25 IN THIS DOMAIN RESEARCH FOLKS HAVE COMPENSATION OF A

BARRISTERS' REPORTING SERVICE

1 VARIETY OF DIFFERENT TYPES. YOU CAN BE COMPENSATED
2 FOR YOUR ART EXPENSES THAT YOU PAID OUT OF POCKET TO
3 COME TO THE CENTER AND EAT LUNCH AND THOSE SORT OF
4 THINGS. THERE'S COMPENSATION FOR TIME AND EFFORT.
5 AND THEN THERE CAN BE JUST PLAIN INCENTIVE PAYMENTS
6 TO ENCOURAGE FOLKS TO COME IN.

7 AND DOES THE CALIFORNIA PROHIBITION
8 AGAINST COMPENSATION INCLUDE ALL OF THOSE TYPES OF
9 COMPENSATION?

10 DR. LOMAX: CALIFORNIA PROHIBITION IS
11 AGAINST -- I THINK, BERNIE, YOU CHARACTERIZE IT AS
12 THE POCKETBOOK SHALL BE NO LIGHTER POLICY. AND THE
13 CALIFORNIA APPROACH WOULD BE THAT ANY COST
14 INCURRED -- I SHOULDN'T SAY CALIFORNIA. I SHOULD
15 SAY CIRM'S APPROACH IS THAT ANY COST INCURRED BY THE
16 PARTICIPANT FOR PARTICIPATION IN THE PROTOCOL WOULD
17 BE SUBJECT TO REIMBURSEMENT, BUT NO ADDITIONAL
18 AMOUNT OF MONEY BEYOND OUT-OF-POCKET EXPENSES COULD
19 BE PROVIDED TO THE DONOR OR AS AN INCENTIVE TO
20 PARTICIPATE.

21 CHAIRMAN LO: IF CIRM WERE PAYING THE
22 DONOR. SO IT'S ONLY THINGS THAT YOU SPENT YOUR OWN
23 MONEY ON.

24 OTHER QUESTIONS, GEOFF?

25 DR. BODKIN: AND JUST TO FOLLOW UP, WE

BARRISTERS' REPORTING SERVICE

1 HAVEN'T BEEN TOLD HOW MUCH THE COMPENSATION WAS IN
2 THE PARTICULAR CASE THAT WE'RE USING AS AN EXAMPLE
3 HERE. IS THAT APPROPRIATE TO LET US KNOW?

4 CHAIRMAN LO: ABSOLUTELY. DR. AMATO,
5 WOULD YOU BE WILLING TO ANSWER THAT?

6 DR. AMATO: I'M COMFORTABLE SHARING THAT.
7 THAT'S \$5,000 PER DONATION.

8 CHAIRMAN LO: OKAY.

9 DR. LOMAX: THAT WAS IN THE PAPER, SO THEY
10 WERE VERY CANDID ABOUT THAT. AND THAT IS, DR.
11 AMATO, I BELIEVE, CONSISTENT WITH AN IVF
12 REIMBURSEMENT AS WELL?

13 DR. AMATO: CORRECT. I'M SORRY. I HAVE
14 TO SIGN OFF TO GO SEE PATIENTS, BUT WERE THERE ANY
15 OTHER QUESTIONS?

16 CHAIRMAN LO: ARE THERE OTHER QUESTIONS
17 SPECIFICALLY FOR DR. AMATO BEFORE SHE NEEDS TO GET
18 BACK TO HER CLINIC?

19 DR. TAYLOR: MINE IS, BERNIE.

20 CHAIRMAN LO: OKAY. THAT'S ROB?

21 DR. TAYLOR: HI, PAULA. HOW ARE YOU?

22 DR. AMATO: HEY, ROB. WELL, THANKS.

23 DR. TAYLOR: ALL RIGHT. GOOD TO HEAR
24 YOUR VOICE.

25 DR. AMATO: LIKEWISE.

BARRISTERS' REPORTING SERVICE

1 DR. TAYLOR: HERE'S A QUESTION. SO MY
2 UNDERSTANDING OF THE TACHIBANA PAPER WAS THAT ALL OF
3 THE SUCCESSFUL CELLS CAME FROM ANTAGONIST CYCLES.
4 AND ARE YOU CONSIDERING CHANGING THE PROTOCOL, WHICH
5 WOULD, FRANKLY, MAKE IT A SAFER PROTOCOL, I WOULD
6 BELIEVE, BASED ON THAT RESULT? OR AM I
7 MISINTERPRETING THAT RESULT?

8 DR. AMATO: YOU KNOW, WE DID MAKE THAT
9 STATEMENT. I THINK THE NUMBERS ARE SMALL, SO AT
10 THIS POINT WHETHER WE USE ANTAGONIST OR AN AGONIST
11 IS BASED ON A NUMBER OF FACTORS, INCLUDING PATIENT'S
12 AGE AND THEIR ACTUAL FOLLICLE COUNT AND AMH LEVEL.
13 WE HAVEN'T CHANGED OUR POLICY ABOUT THAT.

14 THE NUMBERS -- THE DATA WAS INTERESTING IN
15 THAT REGARD, BUT WE FELT THAT THE NUMBERS WERE TOO
16 SMALL TO BE REALLY DEFINITIVE ABOUT THAT.

17 DR. TAYLOR: THAT SEEMS PRUDENT. WELL,
18 WHEN WE MADE OUR RECOMMENDATIONS IN 2010, WE DIDN'T
19 MAKE ANY RECOMMENDATIONS ABOUT HOW THE CYCLE SHOULD
20 BE SUPPRESSED, BUT IT LOOKS INTERESTING. OKAY.
21 THANK YOU.

22 DR. AMATO: OKAY.

23 CHAIRMAN LO: ANY OTHER QUESTIONS FOR DR.
24 AMATO? OKAY.

25 CAN I JUST ASK ONE OTHER QUALIFICATION,

BARRISTERS' REPORTING SERVICE

1 DR. AMATO?

2 DR. AMATO: SURE.

3 CHAIRMAN LO: SO THE PAYMENT OF \$5,000,
4 COULD YOU JUST CONFIRM THAT THIS WAS NOT CONTINGENT
5 ON THE NUMBER OF OOCYTES RETRIEVED, THAT THAT WAS
6 FOR GOING THROUGH THE CYCLE. YOU SAID IF THERE HAD
7 BEEN NO OOCYTES, THEY WOULDN'T RECEIVE THE PAYMENT.

8 DR. AMATO: ABSOLUTELY. ABSOLUTELY.
9 THERE WAS A PRORATED SCALE. SO IF, FOR EXAMPLE, THE
10 CYCLE WAS CANCELED FOR SOME REASON PRIOR TO
11 RETRIEVAL, THEN THEY WOULD HAVE RECEIVED LESS, YOU
12 KNOW, CALCULATED UP TO THEIR PARTICIPATION TO THAT
13 POINT. BUT THE MAJORITY OF PATIENTS THAT COMPLETED
14 THE CYCLE, THEY ALL RECEIVED THE SAME AMOUNT
15 REGARDLESS OF THE NUMBER OF EGGS THAT THEY YIELDED.

16 CHAIRMAN LO: THEN ASSUMING THERE ARE NO
17 FURTHER QUESTIONS FOR DR. AMATO, I WANT TO THANK YOU
18 AGAIN FOR BEING AVAILABLE. IF THERE'S ANY OTHER
19 ISSUES, I'D LIKE TO BE ABLE TO CONTACT YOU.

20 DR. LOMAX: BERNIE, WE HAVE ONE QUESTION
21 FROM THE PUBLIC.

22 CHAIRMAN LO: WITH REGARD TO DR.
23 AMATO'S --

24 DR. LOMAX: YEAH. YES.

25 CHAIRMAN LO: INTRODUCE YOURSELF FOR THE

BARRISTERS' REPORTING SERVICE

1 RECORD.

2 MS. STEVENS: THANK YOU. I'M TINA STEVENS
3 FOR THE ALLIANCE --

4 CHAIRMAN LO: COULD YOU COME CLOSER TO THE
5 PHONE? THOSE ON THE PHONE ARE REALLY HAVING TROUBLE
6 HEARING.

7 MS. STEVENS: I'M TINA STEVENS WITH THE
8 ALLIANCE FOR HUMAN BIOTECHNOLOGY. AND MY QUESTION
9 IS ON THE ADS DISEASE, ON THE DONOR ADS, CALIFORNIA
10 HAS A REQUIREMENT THAT DONOR -- THAT ADS TO DONORS
11 MENTION RISKS. AND MY QUESTION IS DID THE ADS
12 DISEASE FOR DONORS MENTION RISKS?

13 DR. AMATO: YOU KNOW, I'D HAVE TO GO BACK
14 AND LOOK AT THEM, BUT I DON'T BELIEVE SO. I THINK
15 THE RISKS WERE DISCUSSED DEFINITELY IN THE
16 INFORMATION SEMINAR AND ON THE CONSENT FORM, BUT NOT
17 NECESSARILY IN THE ADS.

18 CHAIRMAN LO: WOULD THEY BE DISCUSSED FROM
19 A TELEPHONE SCREENING STANDPOINT?

20 DR. AMATO: NO, NOT NECESSARILY, NO, UNTIL
21 THEY CAME TO THE INFORMATION SEMINAR.

22 CHAIRMAN LO: THANK YOU. OKAY. THANKS
23 AGAIN.

24 DR. AMATO: OKAY. THANK YOU, EVERYBODY.
25 BYE-BYE.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN LO: ARE THERE OTHER QUESTIONS
2 PERHAPS -- WELL, LET'S HOLD DR. ADAMSON BECAUSE HE
3 HAS MORE GENERAL COMMENTS HE MAY WISH TO MAKE,
4 BUT --

5 MR. SHEEHY: I HAD A QUESTION FOR DR.
6 ADAMSON.

7 CHAIRMAN LO: I'M SORRY.

8 DR. LOMAX: JEFF SHEEHY HAS A QUESTION.

9 CHAIRMAN LO: OKAY.

10 MR. SHEEHY: I HAVE QUESTIONS FOR DR.
11 ADAMSON. IF HE WAS GOING TO PRESENT, I THOUGHT I
12 MIGHT ASK HIM A COUPLE OF QUESTIONS. YOU WANT TO
13 WAIT FOR THAT, BERNIE?

14 CHAIRMAN LO: YEAH. WHY DON'T WE WAIT FOR
15 THAT, IF THAT'S OKAY, BUT I'LL MAKE SURE THAT YOU
16 HAVE FIRST QUESTION.

17 MS. LANSING: AND CAN I JUST ADD ONE
18 THING, WHICH IS AN UNFORTUNATE THING. WE'RE GOING
19 LOSE OUR QUORUM AT 11:45. SO I THINK WE JUST HAVE
20 LIKE 45 MINUTES UNFORTUNATELY.

21 CHAIRMAN LO: OKAY. SO WE'LL THINK AND
22 WE'LL MAKE LIKE WE'RE IN NEW YORK AND THINK QUICKLY,
23 TALK QUICKLY.

24 MS. LANSING: SORRY. I JUST GOT THAT
25 INFORMATION.

BARRISTERS' REPORTING SERVICE

1 DR. LOMAX: SO, BERNIE, WOULD YOU LIKE TO
2 MOVE TO THE SCIENTIFIC PIECE AT THIS POINT?

3 CHAIRMAN LO: I WOULD. ALAN, IF YOU COULD
4 WALK US THROUGH THE SCIENTIFIC VALUE OF THESE LINES
5 AND ACTUALLY OTHER LINES THAT MAY BE DERIVED BY THIS
6 PROCESS? AGAIN, KEEPING SHERRY'S INSIGHT IN MIND,
7 IF WE COULD REALLY TRY AND MAKE THIS AS CONCISE AS
8 POSSIBLE WITH THE INFORMATION YOU WANT TO CONVEY.

9 DR. LOMAX: JUST FOR QUORUM AND FOR THE
10 RECORD, JOHN WAGNER HAS JOINED THE CALL.

11 CHAIRMAN LO: OKAY. GOOD.

12 DR. TROUNSON: SO THANK YOU, BERNIE. WHAT
13 I'LL TRY AND DO IS MAKE SURE THAT I DON'T SPEAK IN
14 TOO MUCH JARGON ABOUT THE SCIENCE PART OF IT. THE
15 GROUP MADE FOUR EMBRYONIC STEM CELL LINES IN THEIR
16 STUDIES, AND THOSE FOUR EMBRYONIC STEM CELL LINES
17 WERE MADE BY SOMATIC CELL NUCLEAR TRANSFER. SO
18 WHAT'S CALLED A CLONING PROCEDURE, BUT IT'S A WAY OF
19 REMOVING THE NUCLEUS FROM THE EGG CELL AND THEN
20 INTRODUCING THE NUCLEUS OF A CELL FROM A PATIENT OR
21 THE CELL LINE.

22 THEY FOLLOWED IT UP TO LOOK AT
23 REPLICATION, AND THEY LOOKED AT USING 20 EGGS FROM
24 TWO PATIENTS AND USED THE NUCLEAR CELL FROM A
25 PATIENT WITH A DISEASE CONDITION, I THINK IT'S

BARRISTERS' REPORTING SERVICE

1 CALLED LYON'S DISEASE, AND THEY WERE ALSO VERY
2 SUCCESSFUL. THEY ESTABLISHED TWO CELL LINES FROM
3 THAT CONDITION.

4 SO I UNDERSTAND THAT THE SCIENTISTS IN
5 CALIFORNIA ARE INTERESTED PARTICULARLY IN THE FOUR
6 EMBRYONIC STEM CELL LINES THAT WERE MADE FROM NORMAL
7 CELL TYPES.

8 SO LET ME JUST SAY THAT IN THE
9 LABORATORIES IN CALIFORNIA THERE ARE THREE MAJOR
10 LABORATORIES WHICH ARE THE LEADING EPIGENOMICS
11 LABORATORIES IN THE COUNTRY. THERE'S THE BING REN
12 AND JOE ECKER LABORATORY AT THE LUDWIG & SALK IN LA
13 JOLLA. AND THEY HAVE INCREDIBLE PUBLICATIONS WHICH
14 ARE WAY OUT BEYOND 800 CITATIONS. SO THEY ARE THE
15 LEADING LABORATORY IN THE WORLD IN THIS AREA OF
16 EPIGENETICS.

17 JEANNIE LORING, WHO'S ALSO ON THE PHONE
18 FROM SCRIPPS, IS ANOTHER ONE OF THESE THREE
19 LABORATORIES. AND I THINK SHE'S ON THE TELEPHONE.
20 THEY'RE INTERESTED IN LOOKING AT EPIGENETICS OF CELL
21 LINES. AND, AGAIN, HER STUDIES ARE EXTREMELY WELL
22 CITED, ABOVE 500, I THINK.

23 AND THEN FINALLY KATHERINE PLANT FROM THE
24 UNIVERSITY OF CALIFORNIA IN LOS ANGELES IS AN EXPERT
25 IN EPIGENETICS. SHE'S A RELATIVELY YOUNG PERSON,

BARRISTERS' REPORTING SERVICE

1 AND SHE'S PROBABLY THE LEADING YOUNG SCIENTIST, I
2 SUSPECT, IN THE WORLD IN EPIGENETICS AND GENOMICS.
3 AND AGAIN, HER PAPERS ARE RECEIVING CITATIONS, ABOUT
4 500.

5 SO THESE ARE THE CONCENTRATION OF
6 SCIENTISTS PARTICULARLY INTERESTED IN THESE CELLS.
7 I'VE ALSO HAD CONTACT FROM SCIENTISTS AT UCSF, THE
8 UNIVERSITY OF CALIFORNIA SAN DIEGO, AND UP AT
9 STANFORD.

10 NOW, WHAT ARE THE QUESTIONS BEING RAISED
11 BY THIS AND WHY ARE THEY SO INTERESTED? FIRST OF
12 ALL, LET ME JUST GO QUICKLY THROUGH THESE THINGS AND
13 THEN, IF YOU LIKE, YOU CAN ASK ME QUESTIONS TO
14 AMPLIFY.

15 FIRST OF ALL, WE DON'T REALLY KNOW WHAT
16 THE ABILITY OF THESE CELL TYPES ARE TO FORM
17 DIFFERENTIATED CELL TYPES. PRESENTLY HUMAN
18 EMBRYONIC STEM CELLS ARE MORE ROBUST, QUESTIONABLY
19 BETTER THAN IPS CELLS, AT DERIVING SOME OF THE
20 DERIVATIVES: HEART CELLS, LUNG CELLS, LIVER CELLS,
21 FOR EXAMPLE. NOW, WE DON'T KNOW WHETHER THE SCNT
22 CELL LINES PERFORM MORE LIKE EMBRYONIC STEM CELLS OR
23 MORE LIKE IPS CELLS IN THAT REGARD.

24 SECONDLY, IPS CELLS SHOW SOME INSTABILITY
25 IN LONG-TERM CULTURE. YOU'VE GOT TO MULTIPLY IPS

BARRISTERS' REPORTING SERVICE

1 CELLS QUITE DRAMATICALLY FOR THE USE BECAUSE YOU
2 START WITH ONE SINGLE CLONE AND YOU NEED TO MULTIPLY
3 THEM. THEY TEND TO BE UNSTABLE IN CULTURE AND MORE
4 UNSTABLE THAN EMBRYONIC STEM CELLS. BUT THE
5 QUESTION IS WHAT DO SCNT STEM CELL LINES, DO THEY
6 BEHAVE THE SAME OR BETTER? IT'S A GOOD QUESTION.

7 THIRDLY, THE ISSUE OF EPIGENETIC MEMORY,
8 THAT IS, THE MEMORY OF THE CELL TYPE THAT WAS USED
9 FOR THE DONATION. IN IPS CELLS THE EPIGENETIC
10 MEMORY REMAINS AND CAN BE QUITE SIGNIFICANT. AND,
11 OF COURSE, EMBRYONIC STEM CELLS DON'T HAVE THAT
12 EPIGENETIC MEMORY. SO THEY'RE RATHER DIFFERENT.
13 BUT THE QUESTION IS WHAT HAPPENS IN SCNT CELL LINES?
14 DO THEY HAVE AN EPIGENETIC MEMORY THAT COULD CAUSE A
15 PROBLEM? IT IS POSSIBLE THAT THEY DO? BUT IS IT TO
16 THE SAME EXTENT AS IPS CELLS IS THE QUESTION THERE.

17 AND REMEMBER THE WAY IN WHICH IPS CELLS
18 WERE ORIGINALLY DERIVED, THE WORK WAS BASED ON
19 EMBRYONIC STEM CELLS, FIGURING OUT THE TRANSCRIPTION
20 FACTORS THAT WERE CRITICAL FOR PLURIPOTENTIALITY,
21 THE ABILITY TO BECOME CELLS THAT CAN GROW INTO ANY
22 CELL TYPE. SO WITHOUT EMBRYONIC STEM CELLS WE
23 WOULDN'T HAVE IPS CELLS.

24 AND THEN THERE WAS A VIEW BEFORE THIS
25 TECHNIQUE WAS SUCCESSFUL THAT IPS CELLS WOULD

BARRISTERS' REPORTING SERVICE

1 DEVELOP WITHOUT THE NECESSITY FOR SCNT. THAT'S NOT
2 THE MAJORITY VIEW OF SCIENCE. THERE ARE SOME
3 SCIENTISTS WHO BELIEVE THAT, BUT THEY'RE WAY IN THE
4 MINORITY. THE INTEREST IS TO TRY AND UNDERSTAND
5 WHETHER THIS OTHER CELL TYPE IS BETTER OR IS WORSE.

6 NOW, ONE OF THE OTHER ISSUES, WHICH IS A
7 PRETTY MAJOR MATTER AND IT'S UNRESOLVED AT PRESENT,
8 IS THE SOURCE OF THE STUDIES BY KATHRIN PLATH IS X
9 CHROMOSOME INACTIVATION. AND WHAT HAPPENS WITH IPS
10 CELLS IS QUITE DIFFERENT FROM EMBRYONIC STEM CELLS.
11 WHAT YOU NEED TO DO WHEN YOU BECOME A PLURIPOTENTIAL
12 STEM CELL IS TO ACTIVATE BOTH X CHROMOSOMES.

13 IN THE DEVELOPED STATE, ONE OF THOSE X
14 CHROMOSOMES HAS TO BE TURNED OFF, AND IT'S TURNED
15 OFF BY THE XIST GENE. AND SO THE XIST GENE COATS
16 ONE OF THE X CHROMOSOMES. SO IN ALL FEMALE CELLS,
17 ONE X CHROMOSOME NEEDS TO BE TURNED OFF. OTHERWISE
18 YOU HAVE A GENE DOSAGE ISSUE, WHICH IS DANGEROUS.

19 AND SO WHAT HAPPENS WITH HUMAN IPS CELLS
20 IS THAT THEY DON'T REALLY INACTIVATE THIS X
21 CHROMOSOME IN THE SAME WAY EMBRYONIC STEM CELLS DO.
22 AND IT'S A QUESTION HERE, WHICH IS WHAT KATHERINE IS
23 ASKING, IS WOULD THE OOCYTE HAVE THE MACHINERY THERE
24 TO DO THAT; WHEREAS, THE TRANSCRIPTION FACTORS ARE
25 NOT SET UP TO DO THAT. SO IS THERE A DIFFERENCE

BARRISTERS' REPORTING SERVICE

1 HERE BETWEEN THE SOMATIC CELL NUCLEAR TRANSFER AND
2 THE IPS CELLS?

3 NOW, THE WHOLE QUESTION OF THIS IS IS THIS
4 BASIC SCIENCE REALLY MOVING TOWARD SAYING, WELL, IF
5 WE CAN SHOW THAT THE IPS CELLS ARE, IN FACT,
6 EQUIVALENT TO SCNT CELLS, THEN THERE'S NO REASON TO
7 DO SCNT. RIGHT? SO THEY ACTUALLY CAN BE AS NORMAL.
8 THERE'S NO REAL POINT. SO IN THE END THIS IS
9 WORKING TOWARDS THE SOLUTION OF, I THINK, FOR HAVING
10 THE CONFIDENCE TO BE ABLE TO DEVELOP IPS CELLS.

11 NOW, A THIRD -- ON THE NEXT PAGE, ONE OF
12 THE IMPORTANT THINGS IS TO BE ABLE TO COMPARE IPS
13 CELLS AND SCNT CELLS FROM THE SAME PATIENT. SO
14 DR. MITALPOV AND HIS COLLEAGUES ARE ACTUALLY MAKING
15 IPS -- HAVE MADE IPS CELLS FROM THE CELLS THAT WERE
16 MADE FROM THE SCNT. SO THEY'RE PREPARED TO MAKE
17 THEM AVAILABLE, AND THERE'S NO ISSUE, AS FAR AS WE
18 KNOW, FOR IPS CELLS MADE IN THAT WAY. AND SO THE
19 CALIFORNIA SCIENTISTS, IF INTERESTED, WOULD GET
20 BOTH, AND THEY WOULD GET A SIDE-BY-SIDE COMPARISON
21 FROM THE SAME PATIENT. SO THAT'S AS GOOD A CONTROL
22 AS YOU CAN ACTUALLY GET.

23 EQUIVALENCE IN DRUG SCREENS, WE DON'T KNOW
24 THE ANSWER TO THAT, WHETHER THESE NEW CELLS WILL BE
25 ANY BETTER THAN IPS CELLS OR NOT, BUT IT'S A

BARRISTERS' REPORTING SERVICE

1 QUESTION BEING ASKED BY SOME SCIENTISTS.

2 NOW, THE NEW EFFICIENT REPROGRAMMING
3 FACTORS, AS I SAID, WE HAD EMBRYONIC STEM CELLS
4 WHICH POINT TO THE TRANSCRIPTION FACTORS WE NEEDED
5 FOR MAKING IPS CELLS. NOW, THE NUCLEAR TRANSFER
6 PROCEDURE IS MUCH MORE EFFICIENT THAN IPS AND IT'S
7 MUCH SHORTER. SO YOU GET REPROGRAMMING OF THE
8 NUCLEUS WITHIN TWO DAYS OR PROBABLY WITHIN 24 HOURS.
9 AND THIS IS WORK WHICH HAS REALLY BEEN DONE BY JOHN
10 GURDON, WHO WON THE NOBEL PRIZE ALONG WITH SHINYA
11 YAMANAKA.

12 SO THEY'RE INTERESTED IN IDENTIFYING THE
13 REPROGRAMMING FACTORS THAT ARE IN THE OOCYTE. AND
14 IF THOSE FACTORS THAT COULD BE UTILIZED TO MAKE IPS
15 CELLS MORE EFFICIENT AND MORE EFFECTIVE, THEN WE
16 WOULD GET A BOUNCE-UP, IF YOU LIKE, A BIG BOUNCE-UP
17 IN OUR CAPACITY FOR IPS CELLS. SO THAT'S AN
18 OPPORTUNITY FOR WHICH WE SHOULD TAKE THAT FOR THESE
19 CELLS.

20 SO FINALLY, THE CLINICAL ISSUES WHERE THIS
21 TECHNIQUE MIGHT INVOLVE EVENTUALLY, FIRST OF ALL, IN
22 MITOCHONDRIAL DISEASE, IF YOU HAVE MITOCHONDRIAL
23 DISEASE, THESE ARE MUTATIONS IN THE DNA IN YOUR
24 MITOCHONDRIA. AND THESE DISEASES CAN BE REALLY
25 QUITE DREADFUL. SO THERE'S AN OPPORTUNITY HERE FOR

BARRISTERS' REPORTING SERVICE

1 USING SCNT TO CORRECT THAT BECAUSE IF YOU PUT THE
2 NUCLEUS OF THE DONOR CELL FROM A PATIENT WHO HAS
3 THAT DISEASE INTO AN OOCYTE, THEN YOU WILL AVOID THE
4 TRANSMISSION OF THAT MITOCHONDRIAL GENETIC DISORDER.

5 SO THERE IS INTEREST BOTH IN THE UK AND IN
6 THE U.S. FOR USING THIS CLINICALLY FOR THAT
7 PROCEDURE. BUT YOU CAN ALSO MAKE, IF YOU LIKE,
8 EMBRYONIC STEM CELLS FOR THOSE PATIENTS THAT DO NOT
9 HAVE THAT MITOCHONDRIAL DISEASE. SO THEY MAY BE
10 IMPORTANT FOR HELPING THESE PATIENTS IN DUE COURSE
11 IN TRANSPLANTATION. SO TO BE ABLE TO MAKE
12 GENOMICALLY THESE CELLS WITHOUT A MUTATION THAT'S
13 CAUSING THE DISEASE.

14 THEN FINALLY, DO THESE SCNT CELLS DIFFER
15 FROM ES CELLS OR IPS CELLS IN THE DETECTION BY
16 IMMUNE SURVEILLANCE? WE DON'T REALLY KNOW THE
17 ANSWER TO THIS. BOTH ES, EMBRYONIC STEM CELLS, AND
18 IPS CELLS CAN BE RECOGNIZED BY THE BODY AND CAN BE
19 REJECTED. THEY'RE REJECTED ON DIFFERENT MECHANISMS.
20 EMBRYONIC STEM CELLS ARE ALLOGENEIC, SO THEY'RE
21 REJECTED BECAUSE THEY'RE A DIFFERENT GENOTYPE. AND
22 THE IPS CELLS ARE REJECTED BECAUSE THEY'RE SIMILAR.
23 SO WHAT HAPPENS IS THAT THOSE CELLS ARE TAKEN OUT BY
24 NATURAL KILLER CELLS, AND SO WE KNOW THAT THERE ARE
25 ISSUES ON THE IMMUNE SYSTEM FOR BOTH OF THOSE CELLS,

BARRISTERS' REPORTING SERVICE

1 WHICH MAY GET RESOLVED IN LONG-TERM STUDIES. AND WE
2 DON'T KNOW WHETHER THE SCNT CELLS WOULD BE DIFFERENT
3 OR THE SAME AS EITHER EMBRYONIC STEM CELLS, OR THEY
4 SHOULD BE MORE LIKE IPS CELLS, WHETHER THEY HAVE
5 SOME ADVANTAGE IN TRANSPLANTATION.

6 SO THOSE ARE THE ISSUES, BERNIE. I HOPE I
7 HAVEN'T BEEN TOO TECHNICAL IN THAT REGARD, AND I'M
8 CLEARLY OPEN TO ANSWERING ANY QUESTIONS.

9 CHAIRMAN LO: ALAN, THANK YOU VERY MUCH.
10 I'M GOING TO -- I'M NOT IN THE ROOM. I TAKE IT
11 THERE ARE A LOT OF QUESTIONS AND THERE ARE QUESTIONS
12 FROM THE PUBLIC, COMMENTS FROM THE PUBLIC. I WANT
13 TO KIND OF MOVE US AHEAD. THERE ARE ALSO A NUMBER
14 OF COMMENTS, QUESTIONS FROM THE SWG.

15 AND AGAIN, JUST TO FRAME THIS, I THINK
16 WE'RE REALLY TALKING ABOUT ARE WE GOING TO RECOMMEND
17 A PROCESS, A PROCEDURE, BY WHICH CIRM MAY FUND
18 RESEARCH ON STEM CELL LINES DERIVED FROM DONORS WHO
19 WERE PAID TO DONATE THEIR OOCYTES. WE'RE NOT BEING
20 ASKED TO APPROVE THE OREGON LINE, BUT REALLY THE
21 QUESTIONS ARE ARE THERE CONCERNS THAT WOULD EITHER
22 LEAD SOME MEMBERS OF THE SWG TO SAY, NO, I DON'T
23 THINK CIRM SHOULD EVER FUND RESEARCH ON THOSE LINES
24 EVEN THOUGH WE'RE NOT PAYING FOR THE ORIGINAL
25 DONATION? OR, ALSO, ARE THERE CONCERNS THAT WOULD

BARRISTERS' REPORTING SERVICE

1 NEED TO BE ADDRESSED IN SOME SORT OF REVIEW PROCESS
2 BEFORE CIRM WOULD BE ABLE TO APPROVE ANY PARTICULAR
3 LINES.

4 SO I HAVE, JUST SO I KNOW, ON MY LIST
5 DOROTHY, FRANCISCO. JEFF SHEEHY, I WASN'T SURE IF
6 YOU HAD ANOTHER QUESTION. IF THERE ARE OTHER
7 MEMBERS OF THE SWG WHO HAVE QUESTIONS, PLEASE LET ME
8 KNOW.

9 DR. LORING: CAN I INTERRUPT? THIS IS
10 JEANNIE LORING. I JUST WANTED YOU TO KNOW THAT I'M
11 ON THE LINE.

12 CHAIRMAN LO: HI. I'M SORRY. I CAN'T
13 RECOGNIZE YOUR VOICE.

14 DR. LORING: THIS IS JEANNIE LORING. I'M
15 ONE OF THE SCIENTISTS THAT ALAN MENTIONED, AND I'M
16 HERE TO ANSWER QUESTIONS ABOUT THE SCIENCE.

17 CHAIRMAN LO: I'M NOT GOING TO ASK YOU TO
18 GIVE A PRESENTATION, BUT MY SENSE IS THAT MANY OF
19 THE QUESTIONS THAT ARE GOING TO BE RAISED ARE NOT
20 SCIENTIFIC IN NATURE, BUT WE MAY CALL ON YOU IF
21 YOU'RE WILLING IN RESPONSE TO A PARTICULAR QUESTION.

22 DR. LORING: THAT'S FINE. I DON'T HAVE A
23 PRESENTATION ANYWAY. I WAS JUST HERE TO ANSWER
24 QUESTIONS.

25 DR. LOMAX: BERNIE, WE HAVE A NUMBER OF

BARRISTERS' REPORTING SERVICE

1 MEMBERS OF THE PUBLIC THAT WOULD LIKE TO ASK
2 QUESTIONS. IF THE QUESTIONS ARE LIMITED FROM THE
3 WORKING GROUP, WE COULD GO THROUGH THEM QUICKLY AND
4 THEN MOVE TO PUBLIC COMMENT, OR JUST FOR THE BENEFIT
5 OF THE WORKING GROUP, WE COULD TAKE QUESTIONS NOW.
6 WHAT'S YOUR PLEASURE?

7 CHAIRMAN LO: I WOULD PREFER TO HAVE THE
8 PEOPLE WHO HAVE INDICATED TO ME ALREADY THEY WANT TO
9 FROM THE WORKING GROUP. SO IT'S DOROTHY, FRANCISCO,
10 AND I'M NOT SURE IF JEFF HAS ANOTHER QUESTION.
11 DOROTHY, YOU WANT TO GO NEXT, PLEASE?

12 DR. ROBERTS: YEAH. MY QUESTION ACTUALLY
13 GOES ALL THE WAY BACK TO SHERRY'S PRESENTATION AND
14 SORT OF THE ORIENTATION OF OUR DISCUSSION BECAUSE IT
15 SEEMS THAT THE DISCUSSION IS STARTING FROM THE
16 PREMISE THAT NOTHING ABOUT CIRM POLICY IS GOING TO
17 CHANGE. AND MY UNDERSTANDING, EVEN FROM THE JULY
18 1ST MEMO THAT WE GOT FROM CIRM, IS THAT THE POLICY
19 IS TO EXTEND THE PROHIBITION ON CIRM FUNDS BEING
20 PAID FOR COMPENSATION EVEN TO RESEARCH THAT WAS --
21 OR COMPENSATION THAT WAS NOT PAID BY CIRM.

22 SO IN OTHER WORDS, WE ARE BEING ASKED TO
23 CHANGE THE POLICY. I MEAN THE MEMO SAYS IN 2006
24 THIS INTERPRETATION WAS EXTENDED TO EXCLUDE FROM USE
25 IN CIRM-FUNDED RESEARCH ANY STEM CELL LINE WHERE

BARRISTERS' REPORTING SERVICE

1 RESEARCH DONORS WERE FINANCIALLY COMPENSATED EVEN IF
2 THE DERIVATION WAS DONE WITHOUT THE USE OF CIRM
3 FUNDS.

4 SO WHEN I APPROACHED THIS, MY SENSE IS THE
5 CURRENT POLICY IS NOT TO ALLOW -- FOR CIRM FUNDS NOT
6 TO GO TO RESEARCH WHERE DONORS WERE COMPENSATED
7 REGARDLESS OF WHETHER IT WAS WITH CIRM FUNDS OR NOT.
8 AND THEN MY QUESTION IS WHAT HAS CHANGED THAT WOULD
9 LEAD ME TO WANT TO CHANGE THIS POLICY? AND I JUST
10 HAVEN'T HEARD WHAT HAS CHANGED. IT SEEMS TO ME
11 WHATEVER THE CONCERNS WERE, AND I THINK THERE WERE
12 CONCERNS ABOUT WOMEN'S HEALTH THAT LED TO THAT,
13 CONCERNS THAT ARE RAISED IN THE ARTICLE WE GOT FOR
14 POST-OOCYTE DONATION GUIDELINES THAT GEOFF LOMAX AND
15 ROBERT TAYLOR CO-AUTHORED. THOSE CONCERNS SEEM TO
16 ME TO STILL BE PRESENT, THE CONCERNS ABOUT THE
17 HEALTH AND CONCERNS ABOUT UNDUE INDUCEMENT.

18 SO THEN MY NEXT QUESTION WOULD BE, OKAY,
19 IS THERE SOME PROCEDURE THAT'S GOING TO BE IN PLACE
20 THAT WOULD MAKE SURE THAT THOSE CONCERNS ARE NOT
21 PRESENT IN ANY CIRM FUNDING THAT'S GOING TO RESEARCH
22 USING LINES DERIVED FROM EGGS FOR WHICH WOMEN WERE
23 COMPENSATED. AND THE PROCEDURE I SEE IS JUST SO
24 FLIMSY -- WE DON'T HAVE ANY INFORMATION. THE
25 QUESTION IS WILL IT ADVANCE CIRM'S MISSION.

BARRISTERS' REPORTING SERVICE

1 WELL, THAT DOESN'T EVEN ASK WHETHER OR NOT
2 WOMEN'S HEALTH IS GOING TO BE TAKEN INTO ACCOUNT.
3 BERNIE, WHEN YOU TALKED ABOUT THE NIH WORKING GROUP
4 AND ABOUT THE SCRUTINY INVOLVED THERE, I JUST -- I
5 NEED MORE ASSURANCE THAT THAT KIND OF SCRUTINY IS
6 GOING TO BE PART OF WHAT WE'RE BEING ASKED TO
7 APPROVE TODAY.

8 SO THOSE ARE MY QUESTIONS. I UNDERSTAND
9 WHAT ALAN WAS SAYING. I ABSOLUTELY UNDERSTAND THAT
10 SCIENTISTS ARE VERY INTERESTED IN THESE PARTICULAR
11 LINES; BUT LIKE BERNIE JUST SAID, WE'RE NOT BEING
12 ASKED TO APPROVE THIS PARTICULAR RESEARCH USING
13 THESE LINES. WE'RE BEING ASKED TO CHANGE THE POLICY
14 I THINK PRETTY DRAMATICALLY TO ALLOW FOR CIRM FUNDS
15 TO GO FOR RESEARCH USING EGGS THAT WERE PAID FOR.

16 MS. LANSING: WELL, CAN I JUST TAKE A SHOT
17 AT SOME OF THIS, BERNIE?

18 DR. ROBERTS: YEAH, PLEASE.

19 CHAIRMAN LO: PLEASE, SHERRY.

20 MS. LANSING: I THOUGHT I WAS CLEAR, BUT I
21 APOLOGIZE IF IT WASN'T. OUR FUNDING PER SE, WE'RE
22 NOT GOING TO PAY PER SE IN CALIFORNIA FOR ANY
23 DONATION. SO WE'RE NOT CHANGING OUR POLICY, BUT WE
24 ARE ASKING FOR AN EXCEPTION. AND THE EXCEPTION IS
25 WHEN THE WOMEN HAVE BEEN -- I DON'T KNOW WHAT THE

BARRISTERS' REPORTING SERVICE

1 RIGHT WORD IS -- INFORMED IN THE SAME MANNER THAT WE
2 DO IN TERMS OF HEALTH RISKS, IN TERMS OF
3 PSYCHOLOGICAL RISKS, IN TERMS OF THE PROCESS, THE
4 LINES THAT WE'RE SUGGESTING THAT THEY'VE GONE
5 THROUGH ALL THAT PROCESS, WE'RE ASKING TO USE THOSE
6 LINES, FOR EXAMPLE, IN OREGON WHERE THESE WOMEN HAVE
7 IN ADDITION BEEN PAID.

8 DR. ROBERTS: I DON'T MEAN TO CUT YOU OFF,
9 SHERRY. IT'S JUST THAT BECAUSE OF THE SHORTNESS OF
10 TIME. I UNDERSTAND THAT. WHAT I'M SAYING IS CIRM
11 POLICY ISN'T JUST NOT TO PAY WOMEN DIRECTLY. THE
12 CURRENT POLICY EXTENDS THAT SINCE 2006. I'M READING
13 PAGE 1.

14 MS. LANSING: WE'RE ASKING FOR THE
15 EXCEPTION. AND WE'RE ASKING FOR THE EXCEPTION.

16 DR. ROBERTS: RIGHT. WHICH IS A CHANGE IN
17 CIRM POLICY. THAT'S THE ONLY POINT I'M MAKING.

18 MS. LANSING: OKAY.

19 DR. ROBERTS: SEE WHAT I'M SAYING? OKAY.

20 CHAIRMAN LO: OKAY. WHETHER WE CALL IT AN
21 EXCEPTION OR A CHANGE IN POLICY, UNDER CURRENT CIRM
22 REGULATION, THE LINES THAT WE'RE TALKING ABOUT FROM
23 OREGON OR ANY OTHERS LIKE IT WHERE DONORS HAVE BEEN
24 PAID COULD NOT TODAY BE USED BY A CIRM-FUNDED
25 RESEARCHER IN CIRM-FUNDED RESEARCH. AND THE

BARRISTERS' REPORTING SERVICE

1 QUESTION THAT DOROTHY IS POSING IS WE ARE, ARE WE
2 NOT, BEING ASKED TO MAKE SOME RECOMMENDATION THAT
3 WOULD ALLOW THOSE LINES TO BE FUNDED TO ALLOW
4 RESEARCHERS USING THOSE LINES BE FUNDED. I TAKE IT
5 DOROTHY IS SAYING THAT'S THE CHANGE FROM WHAT CAN BE
6 DONE TODAY.

7 MS. LANSING: AND DOROTHY IS SAYING THAT
8 AND WE'RE NOT DISAGREEING, BUT WHAT I'M SAYING IN
9 THE BEGINNING WAS WE ALWAYS SAID WE WOULD RELOOK AT
10 OUR POLICIES. WE ALWAYS SAID WE WOULD ADAPT AS THE
11 SCIENCE AND THE PUBLIC EVOLVE, AND I THINK WE'RE AT
12 THAT POINT NOW.

13 CHAIRMAN LO: DOROTHY, JUST TO MAKE SURE
14 WE UNDERSTAND, THE SECOND POINT SHE MADE IS THAT ONE
15 OF THE PROCEDURES UNDER THIS EXCEPTION OR CHANGE
16 THAT WE'RE BEING ASKED TO MAKE THAT WOULD PROVIDE
17 ASSURANCE THAT CONCERNS ABOUT MEDICAL RISK, UNDUE
18 INFLUENCE, AND INFORMED CONSENT HAS BEEN ADDRESSED
19 WITH ANY PARTICULAR LINE.

20 DR. ROBERTS: RIGHT.

21 CHAIRMAN LO: SO I HAVE FRANCISCO NEXT ON
22 THE LIST.

23 DR. PRIETO: SO ACTUALLY DOROTHY BROUGHT
24 UP A LOT OF WHAT I WANTED TO ASK ABOUT, WHICH IS --
25 I KIND OF WAS HOPING GEOFF WOULD COMMENT A LITTLE

BARRISTERS' REPORTING SERVICE

1 MORE ON THE PREVIOUS DISCUSSIONS WE HAD USING OTHER
2 CELL LINES, NOT NECESSARILY THESE SCNT LINES, THAT
3 HAD BEEN DERIVED FROM PAID DONORS BUT WHERE THE CELL
4 LINE PROPOSED FOR USE IN CALIFORNIA WAS DOWNSTREAM
5 FROM THAT PROCESS. THAT SEEMS TO ME THE CRUX OF THE
6 QUESTION HERE. IS THE NEED FOR THESE CELLS OR THE
7 INFORMATION THAT WE CAN GET FROM THEM SO COMPELLING
8 AS TO MAKE US WANT TO CHANGE THAT POLICY OR MAKE AN
9 EXEMPTION FROM THAT POLICY?

10 AS FAR AS THE PROCESS FOR MAKING THE
11 EXCEPTION, I'M PRETTY SATISFIED THAT THE PROPOSAL,
12 THE 100082, HAS A LOT OF SAFEGUARDS, BUT DO WE WANT
13 TO CROSS THIS LINE? AND GEOFF, MAYBE YOU COULD
14 COMMENT ON THAT.

15 DR. LOMAX: LET ME TRY. FIRST OF ALL, THE
16 PURPOSE OF GOING THROUGH THE OREGON EXERCISE WAS TO
17 GIVE A CONCRETE ILLUSTRATION OF WHAT THE REVIEW
18 PROCEDURE WOULD LOOK LIKE. AND I WOULD POINT OUT I
19 THINK THIS WAS AN UNPRECEDENTED LEVEL OF SCRUTINY
20 AND EVALUATION.

21 IN TERMS OF -- I DON'T WANT TO SPEAK OUT
22 OF TURN HERE. A COUPLE OF THINGS THAT HAVE CHANGED,
23 I MEAN IN 2006 THE BASIS -- SCNT WAS A CONCEPTUAL
24 CURIOSITY WITH A HIGH DEGREE OF UNCERTAINTY ABOUT
25 EVEN HOW MANY OOCYTES WOULD BE NECESSARY. AND I

BARRISTERS' REPORTING SERVICE

1 THINK THE STANDARDS WORKING GROUP RECOMMENDED THE
2 RIGHT DECISION AT THAT TIME. THEY'RE NO LONGER A
3 CONCEPTUAL CURIOSITY. AND IN ADDITION, WE WERE
4 CONCERNED ABOUT OUR LEADERSHIP ROLE IN THE POLICY
5 ENVIRONMENT AT THAT TIME. AND SO, AGAIN, I THINK WE
6 MADE THE RIGHT CHOICE. SUBSEQUENT TO THAT TIME, THE
7 POLICY ENVIRONMENT HAS CHANGED AND OTHERS HAVE
8 CHOSEN A DIFFERENT POLICY OUTCOME.

9 SO THOSE WERE SOME OF THE THINGS I TRIED
10 TO HIGHLIGHT MAYBE IN TOO MUCH OF A BULLETED WAY IN
11 THE MEMO, BUT THAT'S, I THINK, THE CONTEXT IN WHICH
12 WE APPROACHED THIS DECISION. FOR EXAMPLE, WHEN NEW
13 YORK STEM CELL FOUNDATION ANNOUNCED SCNT LINES ABOUT
14 A YEAR AND A HALF, TWO YEARS AGO, WE DIDN'T -- WE
15 SORT OF LOOKED AT IT THROUGH THE SCIENTIFIC LENS AND
16 SAID THIS IS NOT NECESSARY. SO I THINK IT TRULY IS
17 THE SCIENTIFIC IMPERATIVE AT THIS STAGE, WHICH IS
18 WHY WE'RE ASKING YOU TO RECONSIDER THIS. THAT'S
19 SORT OF THE FUNDAMENTAL CHANGE.

20 DR. TROUNSON: I THINK FRANCISCO IS ALSO
21 ASKING YOU, GEOFF, WHETHER WE EVER USED ANY DONOR
22 EGGS FROM A DONOR THAT HAVE GONE TO A RECIPIENT
23 PATIENT THAT DIDN'T USE THEM, EITHER EMBRYONIC STEM
24 CELLS IN THE PAST.

25 DR. LOMAX: THE CASES WE HAVE -- WE

BARRISTERS' REPORTING SERVICE

1 AUTHORIZED IN 2007, I BELIEVE, THE USE OF EMBRYOS
2 FROM IVF FROM WHICH THE OOCYTE DONOR TO THAT EMBRYO
3 WOULD HAVE BEEN PAID PROVIDED THE ORIGINAL REASON
4 FOR THE CREATION OF THE EMBRYO WAS FOR REPRODUCTIVE
5 PURPOSES. SO THERE IS A POLICY PRECEDENT OF
6 UTILIZING MATERIALS WHERE PAYMENT HAS COME INTO THE
7 FOLD, YES.

8 DR. PRIETO: THAT WAS A QUESTION IN MY
9 MIND. I THOUGHT THAT SOMETHING LIKE THAT
10 (UNINTELLIGIBLE).

11 DR. LOMAX: I APOLOGIZE.

12 CHAIRMAN LO: I'M MINDFUL OF THE TIME AND
13 THE NUMBER OF PEOPLE WHO, I TAKE IT IN THE ROOM,
14 WANT TO ASK QUESTIONS. IS THERE ANYONE ELSE ON THE
15 CIRM SWG THAT HASN'T ASKED A QUESTION YET THAT WANTS
16 TO RAISE A QUESTION? IF NOT, I WOULD LIKE TO GET
17 SOME PUBLIC COMMENT.

18 CHAIRMAN THOMAS: BERNIE, IT'S J.T. I
19 DON'T HAVE A QUESTION, BUT I DO WANT TO MAKE A
20 STATEMENT AT THE APPROPRIATE TIME IN RESPONSE TO A
21 NUMBER OF THE COMMENTS.

22 CHAIRMAN LO: OKAY. I WOULD LIKE TO --

23 MR. SHEEHY: BERNIE, AM I STILL ON THE
24 LIST?

25 CHAIRMAN LO: JEFF, YEAH. LET'S GIVE YOU

BARRISTERS' REPORTING SERVICE

1 ANOTHER QUESTION. I KNOW DOROTHY HAD SOME FURTHER
2 QUESTIONS. I WANTED TO GET OTHER VOICES INTO THIS
3 CONVERSATION.

4 MR. SHEEHY: FIRST OF ALL, I WANT TO SAY I
5 DON'T THINK WE HAVE TO DO THIS TODAY. IT'S VERY
6 SHORT AND HASTY. BUT, YOU KNOW, I REMEMBER 2006.
7 RIGHT? AND WE WERE GUIDED BY THE LAW THAT'S IN THE
8 CALIFORNIA CONSTITUTION, WHICH IS PROP 71, WHICH HAS
9 NOT CHANGED. AND THE IMPETUS FOR THAT BEING IN PROP
10 71 WERE HEALTH CONCERNS. AND I HAVEN'T SEEN
11 ANYTHING RELATED TO HEALTH CONCERNS IN THIS
12 PRESENTATION.

13 AND I'M CONFUSED BECAUSE THE SCIENTIFIC
14 NECESSITY WAS GREATER -- IT WAS HEART WRENCHING FOR
15 ME IN 2006 WHEN WE WERE TALKING ABOUT -- BEFORE WE
16 HAD IPS CELLS, WHEN WE WERE TALKING ABOUT BEING ABLE
17 TO MODEL DISEASE, AND WE WERE TALKING ABOUT THE
18 THERAPEUTIC POSSIBILITY OF THESE CELLS. NOW THE
19 SCIENTIFIC NECESSITY IS PARAFFIN STUDIES, WHICH A
20 WHOLE SEVERAL ORDERS OF MAGNITUDE LESS THAN THE
21 SCIENTIFIC NECESSITY THAT WE FACED IN 2006, YET WE
22 MADE OUR CHOICE THEN BASED ON THE LAW.

23 SO I HAVE A LOT OF TROUBLE UNDERSTANDING
24 HOW WE CAN UNDO PROP 71 WHEN WE HAVEN'T EVEN GOTTEN
25 ANY INFORMATION RELATED TO THE HEALTH RISKS THAT

BARRISTERS' REPORTING SERVICE

1 MADE PROP 71 CONTAIN THAT PROHIBITION THAT WAS
2 SPECIFICALLY IN OOCYTE DONATION.

3 MY ONLY CONCERN IS THAT I KEEP HEARING
4 BECAUSE OTHER PEOPLE ARE DOING IT. WELL, I HAVE AN
5 EIGHT-YEAR-OLD. I HEAR THAT EVERY DAY. IT'S NOT A
6 GOOD REASON. WE HAVE A LAW, YOU KNOW. WE SHOULD
7 FOLLOW OUR LAW. AND I'M VERY UNCOMFORTABLE WITH THE
8 SPEED, THE HASTE, THE ABSOLUTE UTTER LACK OF
9 INFORMATION ABOUT HEALTH RISKS, WHICH HAS ALWAYS
10 BEEN THE MAIN DRIVER FOR THIS, NOT THE SCIENTIFIC
11 NEED, THE HEALTH CONCERNS. AND WE HAVE GOTTEN
12 NOTHING TODAY. AND I JUST FEEL VERY UNCOMFORTABLE
13 WITH THIS WHOLE PROCESS.

14 CHAIRMAN LO: JEFF RAISES A VERY STRONG
15 SUGGESTION THAT THIS IS NOT SOMETHING WE SHOULD TRY
16 TO MAKE A RECOMMENDATION ON THIS PHONE CALL AND THAT
17 WE NEED A FULLER, LONGER DISCUSSION. SO I THINK
18 THAT'S SOMETHING REALLY TO KEEP IN MIND.

19 I DO THINK IT'S IMPORTANT TO HEAR FROM
20 PEOPLE IN THE PUBLIC WHO HAVE COME TO THE MEETING
21 WITH QUESTIONS OR COMMENTS IN MIND.

22 MR. TORRES: BERNIE, THIS IS ART TORRES.
23 I THINK DR. ADAMSON HAD A RESPONSE TO JEFF, AND THEN
24 MAYBE WE CAN GO TO PUBLIC COMMENT.

25 CHAIRMAN LO: OKAY. I'M REALLY CONCERNED

BARRISTERS' REPORTING SERVICE

1 ABOUT WHETHER EVEN A VERY -- WHETHER WE REALLY NEED
2 MORE TIME, I GUESS. I DON'T HAVE A SENSE OF HOW
3 MANY PEOPLE IN THE ROOM WANT TO ASK QUESTIONS.
4 WE'RE NOW 11:36. SO HOW MANY PEOPLE ARE THERE IN
5 THE ROOM THAT WANT --

6 DR. LOMAX: SEVEN OR EIGHT.

7 DR. FEIGAL: THREE WANT TO ASK QUESTIONS.

8 CHAIRMAN LO: SEVEN OR EIGHT. OKAY. DR.
9 ADAMSON, CAN YOU GIVE A BRIEF RESPONSE TO JEFF
10 SHEEHY? AND THEN I REALLY DO WANT TO HEAR FROM
11 MEMBERS OF THE PUBLIC.

12 DR. ADAMSON: I OBVIOUSLY RECOGNIZE THIS
13 IS A VERY DIFFICULT ISSUE. I WOULD MAKE THE
14 COMMENTS THAT AFTER 30 PLUS YEARS OF IVF AND 20
15 MILLION EGG RETRIEVALS, AND SINCE 2006 THERE ARE
16 MULTIPLE PUBLICATIONS, SOME OF WHICH I'D BE HAPPY TO
17 SHARE, AND MULTIPLE ASSESSMENTS BY AMERICAN SOCIETY
18 FOR REPRODUCTIVE MEDICINE, OTHER PROFESSIONAL GLOBAL
19 ORGANIZATIONS THAT WOULD SUGGEST THAT THERE ARE
20 NO -- DESPITE A LOT OF WORK, THERE'S BEEN NO
21 DEFINED FINDING OF SERIOUS LONG-TERM HEALTH RISKS.

22 MR. SHEEHY: CAN I ASK A COUPLE OF
23 QUESTIONS?

24 DR. ADAMSON: LET ME JUST FINISH.

25 CHAIRMAN LO: I'M REALLY CONCERNED ABOUT

BARRISTERS' REPORTING SERVICE

1 TIME. THAT'S A QUESTION WE'RE NOT GOING TO RESOLVE
2 TODAY, AND I LIKE JEFF'S SUGGESTION --

3 (SIMULTANEOUS DISCUSSION.)

4 CHAIRMAN LO: -- THE CONCERN ABOUT MEDICAL
5 RISK AND TO LOOK MORE CLOSELY AT THE DATA.

6 MR. SHEEHY: IF SOMEONE GOES AHEAD AND
7 GETS PREGNANT, THAT MITIGATES SOME OF THE RISK OF
8 BEING A DONOR? I DON'T UNDERSTAND.

9 DR. ADAMSON: IF I CAN JUST MAKE ONE
10 COMMENT. THE NOBEL PRIZE WAS GIVEN TO BOB EDWARDS.
11 AND BASED ON COMMENTS FROM CARL NEGRIN, WHO'S A VERY
12 HIGHLY REGARDED SWEDISH RESEARCHER AND FRIEND OF
13 MINE, ONE OF THE REASONS THAT THEY FINALLY GAVE BOB
14 EDWARDS THE NOBEL PRIZE PROBABLY 10, 15 YEARS AFTER
15 THEY SHOULD HAVE IS THEY WERE WAITING TO SEE IF THEY
16 FELT THAT IVF WOULD BE A SAFE TECHNOLOGY. AND
17 THAT'S FROM CARL NEGRIN IN STOCKHOLM, SWEDEN.
18 THEY'VE TALKED WITH PEOPLE ON THE COMMITTEE.

19 NOW, THAT'S OBVIOUSLY NOT HARD EVIDENCE;
20 BUT, AGAIN, TO PROVE THAT SOMETHING WILL BE SAFE IN
21 50 OR 60 YEARS OBVIOUSLY ISN'T EVER GOING TO BE
22 POSSIBLE IN OUR LIFETIMES. AND I THINK IT'S A
23 BALANCE OF BENEFITS AND HARMS.

24 CHAIRMAN LO: IT'S VERY HARD TO PROVE.

25 JEFF, CAN WE GIVE OTHER -- I THINK YOU'VE

BARRISTERS' REPORTING SERVICE

1 MADE POINTS VERY STRONG. ARE THERE OTHER PEOPLE IN
2 THE ROOM FROM THE PUBLIC THAT I THINK I WOULD LIKE
3 TO HEAR FROM?

4 DR. LOMAX: YEAH. WE'LL MOVE TO PUBLIC
5 COMMENT AND REMIND FOLKS THAT IT'S A THREE-MINUTE
6 PUBLIC COMMENT AND THAT IS -- WHY DON'T WE JUST HAVE
7 FOLKS JUST COME UP TO THE MICROPHONE.

8 CHAIRMAN LO: AND PLEASE INTRODUCE
9 YOURSELF TO US FOR THE RECORD.

10 MR. REED: THIS IS DON REED. I UNDERSTAND
11 THE CONCERNS ABOUT THE LONG-TERM HEALTH
12 POSSIBILITIES OF RISK. BUT I ALSO KNOW THAT THERE
13 ARE PEOPLE WHO ARE SUFFERING RIGHT NOW, AND THAT'S
14 NOT THEORETICAL AT ALL. THAT'S REAL. I'VE BEEN
15 WAITING FOR SCNT TO BE ALLOWED FOR MANY, MANY YEARS,
16 EVER SINCE BEFORE PRESIDENT GERALD FORD CAME OUT IN
17 FAVOR OF IT. IT'S JUST -- I FEEL IT'S A TREMENDOUS
18 LEAP FORWARD, AND I'VE JUST BEEN WAITING SO HARD FOR
19 THIS. I THINK WE HAVE TO FIND A WAY TO DO IT.
20 THANK YOU.

21 CHAIRMAN LO: THANKS. NEXT COMMENT
22 PLEASE.

23 MS. DARNOVSKY: HI. THIS IS MARCY
24 DARNOVSKY. I'M EXECUTIVE DIRECTOR OF THE CENTER FOR
25 GENETICS AND SOCIETY. SO WE'VE BEEN FOLLOWING THIS

BARRISTERS' REPORTING SERVICE

1 ISSUE FOR MANY YEARS. WE'VE BEEN CONCERNED ABOUT
2 THE HEALTH RISKS TO WOMEN FOR MANY YEARS. WE'VE
3 BEEN CONCERNED ABOUT THE LACK OF FOLLOW-UP STUDIES.
4 FOR TEN YEARS WE'VE BEEN ASKING FOR THESE STUDIES TO
5 BE DONE. THEY HAVEN'T BEEN DONE. WE NEED A
6 REGISTRY. WE NEED TO TRACK PEOPLE WHO UNDERGO EGG
7 RETRIEVAL UNDER DIFFERENT PROTOCOLS WHO THEN GET
8 PREGNANT OR WHO THEN DO NOT GET PREGNANT. WE DON'T
9 HAVE THAT INFORMATION. AND SO THE WHOLE POSSIBILITY
10 OF GIVING INFORMED CONSENT FOR WOMEN IS A CHALLENGE.

11 THERE ARE SO MANY OF THE ASSERTIONS OF
12 FACT AND INTERPRETATION THAT HAVE BEEN MADE AT THIS
13 MEETING SO FAR THAT I THINK REQUIRE SOME REALLY
14 SUBSTANTIAL DISCUSSION. AND I KNOW THAT -- SOME OF
15 THEM ARE IN THE MEMO THAT WE DID DISTRIBUTE, I HOPE
16 ALL OF YOU HAVE IT, THAT WE PREPARED LOOKING AT THE
17 PUBLICLY AVAILABLE DOCUMENTS.

18 BUT I THINK IN MY REMAINING 90 SECONDS
19 WHAT I WANT TO SAY IS THERE'S SEVEN MINUTES LEFT
20 BEFORE A QUORUM IS NOT POSSIBLE AT THIS MEETING, AND
21 I WOULD LIKE TO SECOND OR -- I GUESS I'M NOT A
22 MEMBER, SO I CAN'T DO THAT. I WOULD LIKE TO SAY
23 THAT IT DOESN'T MAKE ANY SENSE TO MAKE A DECISION.
24 THERE'S BEEN NO, ZERO, DISCUSSION OF WHAT THE NEW
25 PROCEDURE WOULD ENTAIL, OF WHAT IT WOULD MEAN FOR

BARRISTERS' REPORTING SERVICE

1 THE ICOC TO APPROVE A PARTICULAR CELL LINE FOR USE,
2 WHAT KIND OF SCRUTINY WOULD BE GIVEN, WHO WOULD GIVE
3 THAT SCRUTINY, WHAT INFORMATION WOULD THE ICOC
4 RECEIVE? AND I THINK WITHOUT AT LEAST THAT KIND OF
5 DISCUSSION OF WHAT THIS NEW PROCEDURE WOULD ENTAIL,
6 THIS COMMITTEE, I CAN'T SEE HOW YOU COULD MAKE AN
7 INFORMED DECISION ABOUT WHAT'S IN FRONT OF YOU.

8 WE'VE HEARD A LOT ABOUT THE OREGON STUDY.
9 THERE'S A LOT OF THINGS I WOULD LIKE TO KNOW AND ASK
10 THAT AREN'T IN THE PUBLICLY AVAILABLE DOCUMENTS
11 ABOUT THE OREGON STUDY. YOU'RE NOT BEING ASKED TO
12 APPROVE THAT CELL LINE. AND THAT -- THE WAY THAT
13 THIS HAS BEEN PRESENTED IS AN EXCEPTION THAT'S
14 SWALLOWING THE RULE. I MEAN YOU DON'T EVEN SEE THE
15 RULE. WHAT IS THE PROCEDURE BEING SUGGESTED HERE?
16 WHAT WOULD BE THE ROLE OF THE STANDARDS WORKING
17 GROUP GOING FORWARD?

18 SO THAT'S WHAT I'LL STOP WITH.

19 CHAIRMAN LO: THANK YOU VERY MUCH FOR
20 THOSE COMMENTS AND SUGGESTIONS.

21 DR. LOMAX: BERNIE, WE HAVE A QUORUM TILL
22 THE TOP OF THE HOUR, BY THE WAY, JUST SO YOU'RE
23 AWARE.

24 CHAIRMAN LO: OKAY. HOW MANY MORE PEOPLE?

25 DR. LOMAX: FOUR.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN LO: PLEASE, IF THE NEXT SPEAKER
2 COULD COME FORWARD, WE'RE INTERESTED IN HEARING YOUR
3 THOUGHTS.

4 MS. BEESON: I'M DIANE BEESON. I'M A
5 PROFESSOR EMERITUS OF SOCIOLOGY. I'M A MEDICAL
6 SOCIOLOGIST, WHICH MEANS I SPENT MY CAREER -- AND
7 I'M ALSO ASSOCIATE DIRECTOR OF ALLIANCE FOR HUMANE
8 BIOTECHNOLOGY. AND BEING A MEDICAL SOCIOLOGIST
9 MEANS THAT I'VE SPENT MY CAREER LOOKING AT THE
10 SOCIAL CONSEQUENCES OF NEW MEDICAL TECHNOLOGIES.

11 AND I APPRECIATE THAT YOU'VE EXTENDED THE
12 TIME BEYOND THE 12 MINUTES THAT WAS LEFT FOR PUBLIC
13 COMMENT BECAUSE OF IF YOU ARE CONSIDERING ADOPTING A
14 PROCESS AND YOU'RE SINCERE ABOUT YOUR CONCERN ABOUT
15 NOT PUTTING WOMEN UNDER MEDICAL RISK AS A RESULT OF
16 THE RESEARCH THAT YOU WOULD LIKE TO DO, I WOULD LIKE
17 TO ASK YOU WHY YOU ARE NOT INSISTING ON MORE THAN 30
18 DAYS MEDICAL COVERAGE FOR WOMEN WHO BECOME EGG
19 DONORS.

20 I WOULD THINK THAT GIVEN THE HISTORY OF
21 OVERZEALOUS USE OF HORMONES ON WOMEN'S BODIES,
22 STARTING WITH THE DES DISASTER AND THROUGH HRT
23 RESEARCH WHERE ONLY AFTER DECADES OF ACTIVISM BY
24 WOMEN HEALTH ADVOCATES DID THE APPROPRIATE CLINICAL
25 TRIALS GET PUT INTO PLACE TO SHOW THE DAMAGE THAT

BARRISTERS' REPORTING SERVICE

1 WAS BEING DONE. THIS INFORMATION HAS NEVER COME
2 FROM THE INDUSTRY SPOKESPEOPLE THAT YOU INVITE HERE
3 WHO HAVE CONFLICTS OF INTEREST.

4 YOU ARE ASKING WOMEN TO UNDERGO DRAMATIC
5 MANIPULATION OF THEIR ENDOCRINE SYSTEMS, AND I
6 PERSONALLY -- ANYBODY WHO SPEAKS TO STUDENTS OR
7 WOMEN SEES MANY, MANY SCORES OF CASES OF WOMEN WHO
8 HAVE BEEN HARMED BY THIS PROCESS AND NO STUDIES.
9 THE ONLY STUDIES THAT HAVE BEEN DONE EVEN ON THE
10 WOMEN UNDERGOING IVF ARE CANCER STUDIES. AND THERE
11 ARE TEN STUDIES THAT SHOW INCREASED CANCER RISK,
12 STUDIES THAT SHOW MAYBE NOT SUCH INCREASED CANCER
13 RISK ALMOST WITHOUT EXCEPTION ACKNOWLEDGE THE TIME
14 SPENT FOR THOSE STUDIES IS INADEQUATE TO COME TO ANY
15 CONCLUSION. WHY IS NOBODY STUDYING.

16 I MEAN I INTERVIEWED A WOMAN COUPLE WEEKS
17 AGO HAD TO HAVE A HYSTERECTOMY AT 40. MANY OF THESE
18 WOMEN'S MENSTRUAL CYCLES NEVER EVER READJUST, AND
19 YOU CERTAINLY WOULDN'T KNOW THAT WITHIN 30 DAYS.
20 THERE ARE TREMENDOUS MOOD DISORDERS BEING CREATED
21 AND MANY OTHER KINDS OF PROBLEMS. SO THIS 30-DAY
22 MEDICAL COVERAGE IS LUDICROUS, AND IT SHOWS A REAL
23 CONTEMPT FOR THE HEALTH OF WOMEN. AND I THINK THE
24 REPRESENTATION OF CIRM HERE IS AT STAKE.

25 I WOULD BE VERY PROUD OF AND I THINK WE

BARRISTERS' REPORTING SERVICE

1 CAN BE PROUD OF THE HIGHER STANDARDS THAT WE'VE HAD
2 IN CALIFORNIA, AND I CERTAINLY HOPE THAT IF YOU ARE
3 GOING TO CONSIDER A CHANGE IN PROCESS, YOU WILL
4 INVITE SOME OF THE MANY CRITICS, WOMEN'S HEALTH
5 ADVOCATES TO HELP EDUCATE MOST OF YOU MALES WHO ARE
6 MAKING THIS DECISION ABOUT THE COMPLICATIONS OF
7 WOMEN'S BODIES. THANK YOU.

8 CHAIRMAN LO: THANK YOU FOR YOUR COMMENTS.
9 COULD I ASK THE NEXT SPEAKER TO COME FORWARD PLEASE.

10 MS. SCHEPER-HUGHES: YES. I'M PROFESSOR
11 NANCY SCHEPER-HUGHES, AND I'M A PROFESSOR OF MEDICAL
12 ANTHROPOLOGY WHERE I DIRECT PH.D. STUDIES, BOTH M.D.
13 AND PH.D. STUDENTS. AND I'M ALSO THE DIRECTOR OF
14 OREGON'S WATCH, WHICH HAS LOOKED INTO TISSUES AS
15 WELL. I HAVE SOME QUESTIONS. MAYBE I'LL REPEAT A
16 COUPLE POINTS.

17 NO. 1 IS CANCER REMAINS THE LARGEST SINGLE
18 KILLER OF YOUNG WOMEN. FOR A CENTURY RESEARCH HAS
19 LINKED EXOGENOUS AND ENDOGENOUS HORMONES TO CANCER.
20 WE KNOW BEYOND A DOUBT THAT HORMONES CAUSE AND FEED
21 CANCER. SO WE DO KNOW THAT. BUT I'M CONCERNED
22 ABOUT THE KIND OF CONSENT, THE NATURE OF THE
23 INFORMED CONSENT, BECAUSE WHAT I GATHERED FROM THE
24 OREGON STORY IS THAT IT'S RUN BY THE RESEARCH
25 INSTITUTES THEMSELVES.

BARRISTERS' REPORTING SERVICE

1 NOW, FROM MY YEARS OF WORKING WITH PAID
2 KIDNEY DONORS, THE CONSEQUENCES WERE HIDDEN IN PART
3 BECAUSE THERE WAS NO DONOR ADVOCATE, THERE WAS NO
4 FOLLOW-UP, THERE WAS NO REGISTRY OF DONORS. SINCE
5 WE HAVE HAD THAT, THE TRANSPLANT PROFESSION HAS HAD
6 TO ACCEPT THAT THEY DID NOT KNOW WHAT THE
7 CONSEQUENCES, MEDICAL, PSYCHOLOGICAL, SOCIAL, AND SO
8 FORTH WERE OF THIS. SO TO ASK -- THIS NUDGING THAT
9 GOES ON IN CONSENT, WHEN THE UNIVERSITY OF
10 CALIFORNIA IN 2010 TRIED TO GET DNA -- YOU KNOW,
11 GIVE YOUR GENES TO BERKELEY PROJECT, YOU KNOW, THIS
12 WAS PASSED BY THE UNIVERSITY'S HUMAN SUBJECTS
13 PROTECTION. IT WAS EXPEDITED.

14 SO I'D WANT TO KNOW FOR SURE, YOU KNOW,
15 HOW THE CONSENT IS BEING GARNERED BECAUSE NOW IN
16 TRANSPLANT WE HAVE A MANDATED INDEPENDENT DONOR
17 ADVOCATE, AND THOSE DONOR ADVOCATES GO AFTER WHERE
18 THERE ARE LAPSES IN THE SCIENTIFIC KNOWLEDGE IN THE
19 LONG TERM. AND I AGREE. I'LL JUST USE THE WORD
20 IT'S LUDICROUS TO HAVE THE SHORT-TERM 30. WE'RE NOT
21 TALKING ABOUT SHORT-TERM CONSEQUENCES. THOSE ARE
22 READILY OBVIOUS. WE'RE TALKING ABOUT CANCER AND
23 POSSIBLY INFERTILITY.

24 CHAIRMAN LO: THANK YOU VERY MUCH.

25 MS. FOGEL: HI. THANK YOU. I'M SUSAN

BARRISTERS' REPORTING SERVICE

1 FOGEL. I'M THE CO-FOUNDER OF THE PRO-CHOICE
2 ALLIANCE FOR RESPONSIBLE RESEARCH. I'M A PUBLIC
3 INTEREST LAWYER. AND I DON'T WANT TO BE REDUNDANT,
4 SO I SUPPORT MUCH OF WHAT HAS ALREADY BEEN SAID.

5 I DO WANT TO POINT OUT, IN ADDITION TO OUR
6 SERIOUS CONCERNS ABOUT WOMEN'S HEALTH AND THAT THERE
7 IS NOTHING -- WE KEEP HEARING THIS IS NOT A CHANGE,
8 A SUBSTANTIAL CHANGE IN POLICY. THIS IS A
9 SUBSTANTIAL CHANGE IN POLICY. AND IT REALLY FEELS
10 LIKE ANOTHER PUSH TO FIND A LOOPHOLE TO GET AROUND A
11 PROHIBITION THAT'S IN THE LAW, NO. 1.

12 NO. 2, AND I THINK THAT TED PETERS SAID IT
13 EARLIER, THAT THIS REALLY FEELS LIKE THIS DOES
14 INCENTIVIZE PEOPLE NOT BOUND BY CIRM RULES PAY
15 WOMEN, THEN YOU GET TO USE THOSE LINES, AND WE ARE
16 JUST CREATING A MARKET IN WOMEN'S EGGS WITHOUT REAL
17 REGARD FOR WOMEN'S HEALTH.

18 SECOND OF ALL, THE PURPOSE OF A REGULATION
19 IS TO GIVE SPECIFICITY, CONCRETE GUIDANCE AROUND A
20 LAW. THIS PROPOSED REGULATION, FIRST OF ALL, ISN'T
21 SUPPORTED BY THE LAW. AND SECOND OF ALL, THE IDEA
22 OF A REGULATION THAT IS ULTIMATELY DETERMINED BY
23 ADVANCING CIRM'S MISSION, WHAT DOES THAT EVEN MEAN?
24 MISSION STATEMENTS ARE VERY BROAD, AND THE IDEA THAT
25 THERE IS NO PUBLIC PROCESS IN THIS, THERE'S NO

BARRISTERS' REPORTING SERVICE

1 PROTECTION FOR WOMEN'S HEALTH, YOU KNOW, THERE
2 IS -- THE INSTITUTE OF MEDICINE REPORT THAT YOU
3 COMMISSIONED WAS VERY CLEAR THAT THE STUDIES ARE
4 LIMITED, ARE SMALL, THEY'RE OFTEN CLINIC SPECIFIC.
5 AND THE IDEA TO TAKE A VERY SMALL NUMBER OF
6 SCIENTISTS, TO TAKE A VERY SMALL NUMBER OF STUDIES
7 AND THEN SAY THERE'S NO EVIDENCE OF LONG-TERM
8 EFFECT, WELL, WE HAVEN'T STUDIED IT. SO WE DON'T
9 KNOW ABOUT LONG-TERM EFFECTS.

10 THERE IS ONE REGISTRY NOW IN THE UNITED
11 STATES AT DARTMOUTH. THEY'RE HAVING A TERRIBLE TIME
12 GETTING CLINICS TO ACTUALLY REFER WOMEN INTO THAT
13 STUDY. IT'S GOING TO BE SOME TIME BEFORE WE HAVE
14 ANY CONCRETE INFORMATION. I THINK IT'S
15 IRRESPONSIBLE, FIRST OF ALL, IRRESPONSIBLE OF THE
16 STANDARDS WORKING GROUP. STANDARDS WORKING GROUP,
17 YOU ARE RESPONSIBLE. YOU HAVE AN OBLIGATION UNDER
18 THE LAW TO BE DEVELOPING CLEAR ETHICAL AND MEDICAL
19 STANDARDS IN 11 MINUTES TO RUSH THIS THROUGH ON A
20 VOTE WHEN YOU HAVE SO LITTLE INFORMATION, NO. 1.
21 AND NO. 2, THIS NEEDS TO GO -- EVEN IF YOU WERE TO
22 MAKE SOME SMALL EXCEPTION, WHICH WE DON'T SUPPORT,
23 THIS NEEDS TO GO BACK TO THE DRAWING BOARD FOR A
24 VERY CONCRETE POLICY. THANK YOU.

25 CHAIRMAN LO: THANK YOU. ARE THERE OTHER

BARRISTERS' REPORTING SERVICE

1 PEOPLE IN THE ROOM WHO HAVE BEEN WAITING?

2 MR. TORRES: YES.

3 MS. STEVENS: HI, DR. LO. THIS IS TINA
4 STEVENS AGAIN FROM THE ALLIANCE FOR HUMANE
5 BIOTECHNOLOGY. AND I JUST WANTED THE STANDARDS
6 WORKING GROUP TO KNOW THAT, IN ADDITION TO THE
7 GROUPS THAT ARE REPRESENTED HERE TODAY, AHB, CENTER
8 FOR GENETICS IN SOCIETY, PRO-CHOICE ALLIANCE FOR
9 RESPONSIBLE RESEARCH, OUR BODIES OURSELVES, ORGANS
10 WATCH, THAT THE LIST OF ORGANIZATIONS THAT ARE
11 CONCERNED BY THE INCREASING MARKET IN WOMEN'S EGGS
12 IS GROWING. THEY NOW INCLUDE BLACK WOMEN'S HEALTH
13 IMPERATIVE, BREAST CANCER ACTION, CANCER PREVENTION
14 AND TREATMENT FIRMS, COUNCIL FOR RESPONSIBLE
15 RESEARCH, NATIONAL WOMEN'S HEALTH NETWORK, WE ARE
16 EGG DONORS, AND I MUST SAY THE LIST GOES ON. IT'S A
17 LIST OF THE COALITION OF THE WATCHFUL, AND WE WILL
18 BE VERY INTERESTED IN FINDING OUT WHAT THE STANDARDS
19 WORKING GROUP WILL BE DOING TODAY. THANK YOU.

20 CHAIRMAN LO: THANK YOU. SO WE'VE HEARD A
21 LOT OF --

22 MS. TOBER: I HAVE SOME THINGS I'D LIKE TO
23 SAY. MY NAME IS DIANE TOBER. I'M A MEDICAL
24 ANTHROPOLOGIST. I'M ALSO ASSOCIATE EXECUTIVE
25 DIRECTOR FOR THE CENTER FOR GENETICS AND SOCIETY.

BARRISTERS' REPORTING SERVICE

1 AND ONE OF THE THINGS THAT CONCERNS ME IS REALLY
2 THIS ISSUE OF RESEARCH. IF WE LOOK AT WHAT'S BEEN
3 DONE IN NEW YORK, FOR EXAMPLE, NOW WE HAVE A SYSTEM
4 IN NEW YORK PAYING WOMEN FOR THEIR EGGS FOR
5 RESEARCH. I'VE SCoured THE INTERNET. I'VE SCoured
6 GOOGLE SCHOLAR. I'VE SCoured ALL KINDS OF PLACES
7 TO -- DATABASES LOOKING FOR THE RESULTS, TRYING TO
8 FIND THE DEMOGRAPHICS OF WOMEN, TRYING TO FIND THE
9 COMPLICATIONS THAT WOMEN MIGHT HAVE BEEN
10 EXPERIENCING. THAT RESEARCH, THAT INFORMATION IS
11 NOT AVAILABLE ANYWHERE. SO WE HAVE NO IDEA WHAT'S
12 GOING ON IN NEW YORK. WE HAVE NO IDEA HOW MANY
13 WOMEN ARE BEING USED TO RETRIEVE THEIR EGGS FOR
14 RESEARCH. WE HAVE NO IDEA OF THE NUMBER OF EGGS PER
15 CYCLE, THE NUMBER OF WOMEN, THE NUMBER OF CYCLES
16 THAT WOMEN GO THROUGH, NONE OF IT.

17 THEN I ALSO LOOKED AT THE OREGON REPORT,
18 THE RESEARCH THAT CAME OUT ABOUT A LITTLE OVER A
19 MONTH AGO. AND AS I WAS READING THROUGH THAT, I
20 ALSO OBSERVED THAT THERE WERE NO WOMEN. THERE WERE
21 EGGS THAT WERE BEING RESEARCHED, THERE WERE STEM
22 CELL LINES, BUT THERE WERE NO WOMEN. THERE WAS NO
23 INFORMATION REPORTED ON THE DEMOGRAPHICS OF THE
24 WOMEN. THERE WAS NO INFORMATION REPORTED ON THE
25 NUMBER OF EGGS RETRIEVED PER CYCLE, PER WOMAN, OR

BARRISTERS' REPORTING SERVICE

1 THE NUMBER OF CYCLES THAT WOMEN WENT THROUGH, OR THE
2 NUMBER OF WOMEN THAT EXPERIENCED COMPLICATIONS.

3 SO IT SEEMS TO ME IT'S EXTREMELY
4 IRRESPONSIBLE TO BE PROPOSING TO GO FORWARD WITH
5 PROMOTING THIS KIND OF RESEARCH AND GETTING ON BOARD
6 WITH THE PAYMENT OF EGGS FOR RESEARCH AND
7 INADVERTENTLY CHANGING POLICY, LIKE MY COLLEAGUE
8 JUST SAID, WITH THE LOOPHOLES WITHOUT HAVING ANY
9 SOLID INFORMATION AS TO WHERE THE WOMEN ARE, WHO
10 THEY ARE, AND HOW THEY'RE BEING RECRUITED, HOW
11 THEY'RE BEING UTILIZED, AND WHAT'S HAPPENING WITH
12 THEIR BODIES. THANK YOU.

13 CHAIRMAN LO: THANK YOU. LET ME TRY AND
14 SUMMARIZE WHAT I HEARD. THERE WERE A LOT OF
15 CONCERNS THAT WERE RAISED BOTH BY MEMBERS OF OUR
16 WORKING GROUP AND BY THE PUBLIC ABOUT, FIRST, WHAT
17 THE PROPOSAL UNDER DISCUSSION IS, CONCERNS ABOUT
18 LACK OF SPECIFICITY, ABOUT NEEDING MORE INFORMATION
19 ABOUT THE PROCESS, ABOUT THE STANDARD OF ADVANCE THE
20 MISSION OF CIRM, AND SO FORTH.

21 THERE CONTINUE TO BE CONCERNS RAISED ABOUT
22 THE ISSUES THAT WE HAVE BEEN TALKING ABOUT FOR
23 YEARS, WHICH ARE RISKS OF OOCYTE DONATION EVEN UNDER
24 BEST PRACTICE PROTOCOLS AND THE DIFFICULTIES OF
25 GETTING DATA ON LONG TERM ARE. CONCERNS ABOUT THE

BARRISTERS' REPORTING SERVICE

1 NATURE OF THE CONSENT PROCESS, WHICH WE HEARD ABOUT
2 IN THIS STUDY. AND THIRD, THE CONCERNS ABOUT UNDUE
3 INFLUENCE AND PERHAPS CERTAIN PEOPLE BEING --
4 CERTAIN DONORS BEING PARTICULARLY AT RISK FOR BEING
5 VULNERABLE.

6 IT SEEMS TO ME WE HAVE A COUPLE OF
7 OPTIONS. ONE IS TO SAY THIS IS SUCH AN IMPORTANT
8 ISSUE THAT WE NEED TO HAVE MORE DELIBERATION, MORE
9 DISCUSSION, AND BASICALLY TABLE TAKING ACTION ON THE
10 CURRENT PROPOSAL.

11 SECOND OPTION IS TO SAY -- TO JUST REJECT
12 THE PROPOSAL AT HAND.

13 THIRD IS TO TRY AND AMEND IT, WHICH I
14 WOULD NOT RECOMMEND AMENDING SOMETHING IN A COUPLE
15 OF MINUTES.

16 I GUESS THE FOURTH OPTION IS TO APPROVE IT
17 AS -- TO RECOMMEND THAT THE ICOC CONSIDER IT AS IT
18 STANDS.

19 THERE ARE A COUPLE MEMBERS OF THE SWG WHO
20 HAVE NOT YET SPOKEN OR MAY WISH TO SPEAK ON OUR NEXT
21 STEPS. IF I READ WHAT THE DISCUSSION I HEARD RIGHT
22 IS I THINK DOROTHY ROBERTS AND JEFF SHEEHY WOULD
23 CERTAINLY NOT BE -- WOULD NOT AGREE WITH MAKING A
24 POSITIVE RECOMMENDATION, BUT PERHAPS WOULD BE OPEN
25 TO A MEETING, AND I WOULD SAY IT PROBABLY SHOULD BE

BARRISTERS' REPORTING SERVICE

1 A FACE-TO-FACE MEETING WHERE WE CAN REALLY DISCUSS
2 THIS IN MORE DETAIL. AND PERHAPS IF WE AGREE TO
3 MOVE FORWARD, TO SORT OF SUGGEST DIFFERENT LANGUAGE,
4 INCLUDING LOTS MORE PROCEDURES.

5 BUT THERE ARE A NUMBER OF PEOPLE ON THE
6 COMMITTEE WE HAVEN'T HEARD FROM ON WHERE TO GO
7 FORWARD, AND I'D LIKE TO ASK THEM TO SPEAK.

8 DR. WAGNER: BERNIE, THIS IS JOHN WAGNER.
9 CAN I SPEAK?

10 CHAIRMAN LO: JOHN, PLEASE. ABSOLUTELY.

11 DR. WAGNER: SINCE MANY OF THESE SAME
12 DISCUSSIONS OCCURRED -- HAVE OCCURRED PREVIOUSLY IN
13 OTHER FORA, AND ONE OF THE THINGS THAT WAS DISCUSSED
14 IN OTHER FORA WAS IN THIS PARTICULAR CASE, AND YOU
15 CAN TELL ME IF I'M WRONG, BUT IT'S NOT THE STEM CELL
16 LINE ITSELF THAT'S BEEN CREATED THAT'S THE ISSUE.
17 THE LINE ITSELF IS NOT THE PROBLEM. IT'S SIMPLY THE
18 DERIVATION OF THIS LINE FROM A PAID EGG DONOR; IS
19 THAT CORRECT?

20 MS. LANSING: CORRECT.

21 DR. WAGNER: SO THE ISSUE THAT COMES BACK
22 IS, YOU KNOW, IT ALL COMES DOWN TO WHETHER OR NOT,
23 YOU KNOW, PEOPLE, I THINK, DO THEY FEEL THAT THIS IS
24 SOME FORM OF COERCION OR HAVE WE SOMEHOW HURT THIS
25 INDIVIDUAL. THAT SEEMS TO BE THE DISCUSSION. IS

BARRISTERS' REPORTING SERVICE

1 THAT IT?

2 CHAIRMAN LO: THAT'S THE KEY ISSUE. I
3 THINK GOING FORWARD IN TERMS OF THE CHANGE WE'RE
4 MAKING IS TO ALLOW THIS EXCEPTION.

5 DR. WAGNER: I JUST WANT TO MAKE SURE
6 THERE WERE NO OTHER ISSUES BESIDES THOSE TWO.

7 CHAIRMAN LO: I THINK THERE ARE OTHER
8 ENTITIES --

9 (SIMULTANEOUS DISCUSSION.)

10 MR. SHEEHY: IT'S A MATTER OF LAW.

11 CHAIRMAN LO: I THINK THERE ARE PEOPLE WHO
12 SAY THEY'RE SO CONCERNED ABOUT THE DONATION OF
13 OOCYTES, CERTAINLY IN A RESEARCH CONTEXT, THAT THEY
14 HAVE CONCERNS ABOUT THE SAFETY AND THE RISK AND THE
15 NATURE OF THE CONSENT, WHETHER OR NOT THERE'S
16 PAYMENT INVOLVED. THAT'S NOT WHAT THIS -- THAT MAY
17 BE RELEVANT TO A PARTICULAR LINE.

18 DR. WAGNER: I THINK IT COMES DOWN TO ME.
19 SO THE LINES THAT ALREADY EXIST, IT'S ALREADY DONE.
20 OKAY. AND I THINK -- SO NOTHING WE SAY OR DO TODAY
21 CHANGES THAT FACT. THE LINE EXISTS, AND THE
22 QUESTION IS CAN WE USE THOSE LINES SIMPLY BECAUSE
23 THEY EXIST? WHAT I THINK THE FEAR IS IS THAT BY
24 USING THOSE LINES, THAT SOMEHOW WE ARE GOING TO
25 SUGGEST THAT OTHERS CONTINUE OR EXPAND THEIR USE OR

BARRISTERS' REPORTING SERVICE

1 DEVELOPMENT OF SUCH LINES. THE LINE ITSELF ALREADY
2 EXISTS. IT DOESN'T CHANGE ANYTHING FOR THOSE
3 PARTICULAR EGG DONORS. AND THE QUESTION IS WHETHER
4 OR NOT WE CAN USE THAT.

5 BUT I GUESS THE WAY IT COMES DOWN FROM AN
6 ETHICAL POINT OF VIEW, AND YOU'RE THE EXPERT HERE
7 AMONG THE EXPERTS HERE, IS SAYING USE OF THAT CELL
8 LINE ITSELF THAT ALREADY EXISTS DOESN'T CHANGE
9 ANYTHING AT THIS POINT IN TERMS OF THAT PARTICULAR
10 DONOR. BUT THE QUESTION, I GUESS, TO YOU AS A
11 BIOETHICIST IS HOW DO WE USE THAT? IF YOU CONSIDER
12 THE DERIVATION UNETHICAL, IF THAT'S THE CASE, IF THE
13 DERIVATION IS UNETHICAL OF THAT OOCYTE DONOR BECAUSE
14 WE PAID THEM, YOU KNOW, CAN YOU USE MATERIAL THAT
15 WAS DERIVED IN THAT WAY?

16 AND THERE'S A WHOLE LITERATURE ON THE USE
17 OF INFORMATION OR MATERIAL. DOES THAT HELP US AT
18 ALL? THAT'S DERIVED, QUOTE, IN AN ETHICAL WAY? I'M
19 NOT SAYING THAT'S MY OPINION, BUT I'M JUST SAYING
20 THAT'S CERTAINLY WHAT'S BEING DEBATED HERE.

21 MS. LANSING: CAN I JUST ADD TWO THINGS TO
22 THIS?

23 CHAIRMAN LO: SHERRY, GO AHEAD. AND THEN
24 I HAVE --

25 MS. LANSING: I'M AFRAID OUR ANSWER IS

BARRISTERS' REPORTING SERVICE

1 GOING TO BE SELF-EXPLANATORY, THAT WE NEED MORE
2 DISCUSSION BECAUSE WE ONLY HAVE FIVE MINUTES LEFT.
3 BUT I JUST WANT TO ADD TWO THINGS. AS A PERSON WHO
4 REPRESENTS THE CANCER COMMUNITY, I AM VERY AWARE OF
5 THE STUDIES THAT HAVE BEEN ON WHETHER THEY HAVE BEEN
6 COMPLETE ENOUGH OR NOT, BUT THAT RISK EXISTS WHETHER
7 WOMEN ARE PAID OR NOT. I MEAN IT'S THE SAME RISK TO
8 YOUR HEALTH WHETHER YOU WERE PAID OR NOT. AND I
9 REALLY DO BELIEVE THAT OUR SYSTEM IN PLACE DOES WARN
10 WOMEN OF THESE POTENTIAL HEALTH RISKS WHICH WE DON'T
11 KNOW YET ENOUGH ABOUT. AND WHETHER WE SHOULD AS
12 CIRM INVEST OUR MONEY IN DOING RESEARCH INTO THAT IS
13 A QUESTION.

14 I JUST WANT TO POSE, YOU KNOW, AS WE
15 CONTINUE TO THINK ABOUT THIS ISSUE, WHICH IS WHAT I
16 THINK IS WHAT'S GOING TO HAPPEN, THAT THERE'S ALSO
17 AN OBLIGATION THAT WE HAVE TO THE, AND I THINK IT
18 WAS MR. REED WHO SAID THIS AS A PATIENT ADVOCATE, TO
19 THE MILLIONS OF PEOPLE WHO ARE COUNTING ON US TO
20 FIND LINES THAT WILL HELP US WITH OUR RESEARCH TO
21 CURE DISEASES. AND SO I THINK THAT HOLDING ONTO
22 POLICY THAT WE'VE HAD FOR MANY, MANY YEARS AND NOT
23 BEING OPEN TO AT LEAST DISCUSSING OR AMENDING WAYS
24 TO LOOK AT WHAT'S GOING ON, NOT JUST IN OUR STATE,
25 BUT IN THE WORLD AND WILL CONTINUE TO GO ON, IS

BARRISTERS' REPORTING SERVICE

1 ALMOST IRRESPONSIBLE TO THE PEOPLE WHO ARE SICK.

2 CHAIRMAN LO: ARE THERE OTHER MATTERS --

3 CHAIRMAN THOMAS: BERNIE, THIS IS J.T. I
4 JUST WANTED TO ADDRESS ONE ISSUE, WHICH IS THE
5 QUESTION OF HOW THIS ADVANCES CIRM'S MISSION. I'LL
6 GO BACK TO AN ANALOGY THAT I FREQUENTLY INVOKE IN
7 SPEECHES, WHICH IS THAT OF THE MINERS WHO WERE
8 TRAPPED IN CHILE TWO OR THREE YEARS AGO, WHERE
9 YOU'VE GOT PEOPLE DOWN THERE AND YOU HAD THREE HOLES
10 BEING BORED IN THE HOPES THAT ONE OF THEM AT LEAST
11 WOULD REACH THE CAVE AND THE MINERS WOULD BE SAVED.

12 WHAT WE ARE DOING IS DIRECTLY ANALOGOUS
13 WHERE THE PATIENTS ARE THE MINERS IN THE CAVE, AND
14 WE ARE TRYING TO TAKE ADVANTAGE OF ALL TECHNOLOGIES
15 THAT GIVE US THE HOPE THAT AT LEAST ONE OF THEM WILL
16 GET ACROSS THE FINISH LINE OR IN THAT CASE SUCCEED
17 IN GETTING TO THE CAVE AND FREEING THE MINERS.

18 IN THE COURSE OF FUNDING THAT WE HAVE, WE
19 HAVE FUNDING FOR EMBRYONIC STEM CELL RESEARCH FOR
20 ADULT STEM CELL RESEARCH, FOR IPS,
21 TRANSDIFFERENTIATION. SCNT IS UNQUESTIONABLY
22 ANOTHER ARROW IN THE QUIVER THAT COULD ADD AN
23 ADDITIONAL HOLE BEING BORED TOWARDS PATIENT ADVOCATE
24 RECOVERY. AND I THINK THAT, FOLLOWING ON WHAT
25 SHERRY SAYS, THAT IS SOMETHING THAT DIRECTLY

BARRISTERS' REPORTING SERVICE

1 ADVANCES CIRM'S MISSION. IT DIRECTLY SPEAKS TO THE
2 PATIENTS OUT THERE.

3 AND TO THE EXTENT -- THERE HAVE BEEN A LOT
4 OF GOOD POINTS RAISED HERE TODAY, THAT WE CAN
5 SUFFICIENTLY ADDRESS THE ETHICAL ISSUES IN
6 CONNECTION TO THIS, I THINK IT BEHOOVES US TO FIND A
7 WAY TO TAKE ADVANTAGE OF THIS TECHNOLOGY IF WE CAN
8 BECAUSE IT WILL UNDOUBTEDLY LEAD TO AN ENTIRE NEW
9 AVENUE THAT WILL YIELD PROFOUND SCIENTIFIC RESULTS
10 THAT ADVANCES WHAT CIRM IS ALL ABOUT.

11 CHAIRMAN LO: THANK YOU, JON. I'M GOING
12 TAKE THE PREROGATIVE OF CHAIRING THE MEETING OVER
13 THE PHONE TO SUGGEST THAT WE SHOULD SCHEDULE ANOTHER
14 MEETING. AND AS I SAID PRIOR, I'D LIKE THAT TO BE A
15 FACE-TO-FACE MEETING TO REALLY DISCUSS THIS ISSUE IN
16 MORE DETAIL AND MORE DEPTH AND WITH MORE TIME. I
17 THINK MY OWN SENSE, AND I'M GOING TO ASK THE REST OF
18 THE SWG IF THEY AGREE, IS THAT WE'RE NOT PREPARED TO
19 CERTAINLY TO APPROVE OR AMEND WHAT STAFF VERY
20 THOUGHTFULLY DREW UP BECAUSE THERE'S A LOT OF ISSUES
21 WE NEED TO READDRESS, THINK THROUGH, GET MORE
22 INFORMATION.

23 AND I GUESS I WOULD BE OPEN TO SOMEONE
24 MAKING A MOTION THAT WE ACKNOWLEDGE THE IMPORTANCE
25 OF THIS TOPIC, THE POTENTIAL SCIENTIFIC UTILITY AND

BARRISTERS' REPORTING SERVICE

1 THE CONCERNS THAT HAVE BEEN RAISED BOTH HERE AND
2 OUTSIDE THE MEETING ABOUT ETHICAL CONCERNS AND ABOUT
3 PROCEDURES WHICH MIGHT SUFFICE TO ADDRESS THOSE
4 CONCERNS FOR A PARTICULAR LINE. AND THAT WE
5 RECOMMEND THE ICOC WAIT TILL WE HAVE A MEETING WHERE
6 WE CAN EXPLORE THIS IN MORE DEPTH.

7 MS. LANSING: I'LL MAKE THAT MOTION AND
8 JUST HAVE A FRIENDLY AMENDMENT TO IT.

9 CHAIRMAN LO: ABSOLUTELY.

10 MS. LANSING: THAT THE TIMELINESS OF THIS,
11 THAT THE MEETING BE -- HOW DO I SAY THIS? -- DONE AS
12 QUICKLY AS POSSIBLE BECAUSE WE ARE MINDFUL OF HOW
13 IMPORTANT THE SCIENCE POTENTIALLY COULD BE AND THAT
14 THE MEETING BE IN PERSON.

15 MR. SHEEHY: COULD I OFFER ANOTHER
16 FRIENDLY AMENDMENT? THAT THERE BE INCLUDED IN THIS
17 DISCUSSION HEALTH INFORMATION THAT IS NOT FROM
18 CONFLICTED OR SELF-INTERESTED PARTIES SO WE GET
19 INDEPENDENT HEALTH INFORMATION THAT IS SPECIFICALLY
20 RELATED TO THE HEALTH RISKS TO INDIVIDUALS, NOT JUST
21 WHO GO THROUGH THESE PROCEDURES IN ORDER TO HAVE
22 CHILDREN, BUT FOR PEOPLE WHO ACTUALLY GO THROUGH
23 THESE PROCEDURES TO DONATE, AND THAT WE COLLECT ALL
24 THE AVAILABLE INFORMATION ON HEALTH OUTCOMES THAT WE
25 CAN FOR THAT.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN LO: THAT WAS JEFF SHEEHY, RIGHT?
2 I HEARD A COUPLE VOICES. ANY OTHER AMENDMENTS TO
3 THIS SUGGESTION? DOES SOMEONE WANT TO SECOND THAT?

4 DR. KAMP: THIS IS TIM KAMP. I'LL SECOND.

5 CHAIRMAN LO: OKAY. THANK YOU, TIM.
6 SORRY WE DIDN'T HAVE A CHANCE TO HEAR MORE FROM YOU,
7 BUT I LOOK FORWARD TO IT.

8 SO, GEOFF, CAN WE TAKE A VOTE ON THIS?

9 DR. LOMAX: YES. WE SHOULD DO A VOICE
10 VOTE SINCE THIS IS A TELECONFERENCE.

11 SHERRY LANSING.

12 MS. LANSING: YES.

13 DR. LOMAX: BERNIE LO.

14 CHAIRMAN LO: AYE.

15 DR. LOMAX: JEFFREY BODKIN.

16 DR. BODKIN: AYE.

17 DR. LOMAX: MARCY FEIT. TIM KAMP.

18 DR. KAMP: YES.

19 DR. LOMAX: FRANCISCO PRIETO. TED PETERS.

20 DR. PETERS: YES.

21 DR. LOMAX: DOROTHY ROBERTS.

22 DR. ROBERTS: YES.

23 DR. LOMAX: JEFF SHEEHY.

24 MR. SHEEHY: YES.

25 DR. LOMAX: PAT TAYLOR. ROBERT TAYLOR.

BARRISTERS' REPORTING SERVICE

1 DR. TAYLOR: YES.

2 DR. LOMAX: JONATHAN THOMAS.

3 CHAIRMAN THOMAS: YES.

4 DR. LOMAX: JOHN WAGNER.

5 DR. WAGNER: YES.

6 CHAIRMAN LO: WELL, WITH THAT, FIRST, I
7 WANT TO THANK STAFF FOR HELPING PROVIDE ALL THE
8 INFORMATION. THANK THE MEMBERS OF THE SWG FOR NOT
9 ONLY PARTICIPATING, BUT FOR ASKING GOOD QUESTIONS,
10 MAKING THOUGHTFUL COMMENTS, AND PROVIDING GOOD
11 ADVICE. AND I WANT TO THANK THE MEMBERS OF THE
12 PUBLIC FOR THEIR INTEREST AND THEIR PARTICIPATION
13 AND THEIR WANTING TO HAVE US TAKE THE BENEFIT OF
14 THEIR THINKING.

15 SO, GEOFF, I WILL WORK WITH YOU TO TRY AND
16 SCHEDULE THIS TO TRY AND ACCOMMODATE EVERYONE'S
17 SCHEDULE AND TO SORT OF FIND A TIME THAT AS MANY OF
18 THE BOARD AS POSSIBLE CAN ATTEND. I THINK IT DOES
19 NEED TO BE FACE TO FACE, AND WE'LL WORK ON THIS AND
20 PROVIDE AS SOUND AND THOUGHTFUL ADVICE AS WE CAN SO
21 THE ICOC CAN REALLY ADDRESS THIS ISSUE.

22 MS. LANSING: THANK YOU VERY MUCH FOR YOUR
23 EXCELLENT LEADERSHIP, BERNIE.

24 CHAIRMAN LO: THANK YOU, SHERRY.

25 (THE MEETING WAS THEN CONCLUDED AT 2 P.M.)

BARRISTERS' REPORTING SERVICE

REPORTER'S CERTIFICATE

I, BETH C. DRAIN, A CERTIFIED SHORTHAND REPORTER IN AND FOR THE STATE OF CALIFORNIA, HEREBY CERTIFY THAT THE FOREGOING TRANSCRIPT OF THE TELEPHONIC PROCEEDINGS BEFORE THE SCIENTIFIC AND MEDICAL ACCOUNTABILITY STANDARDS WORKING GROUP OF THE INDEPENDENT CITIZEN'S OVERSIGHT COMMITTEE OF THE CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE IN THE MATTER OF ITS REGULAR MEETING HELD ON JULY 24, 2013, WAS HELD AS HEREIN APPEARS AND THAT THIS IS THE ORIGINAL TRANSCRIPT THEREOF AND THAT THE STATEMENTS THAT APPEAR IN THIS TRANSCRIPT WERE REPORTED STENOGRAPHICALLY BY ME AND TRANSCRIBED BY ME. I ALSO CERTIFY THAT THIS TRANSCRIPT IS A TRUE AND ACCURATE RECORD OF THE PROCEEDING.

BETH C. DRAIN, CSR 7152
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