1	ADVISORY
2	COUNCIL ON
3	RADIATION PROTECTION
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5	CERTIFIED
6	TRANSCRIPT
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9	Bureau of Radiation Control
10	Hampton Inn & Suites
11	Tampa Airport Avion Park Westshore
12	Tampa, Florida 33607
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16	Thursday, May 18, 2023
17	10 a.m 2:55 p.m.
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19	Reported by Rita G. Meyer, RDR, CRR, CRC
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     ADVISORY COUNCIL MEMBERS PRESENT:
 2
      Randy Schenkman, M.D., Retired (Chairman)
      Nicholas Plaxton, M.D.
 3
      Adam Weaver, MS, CHP
      Chantel Corbett, AS, CNMT, RT (N), RSO
 4
      Rebecca Coffey McFadden, RT(R)
      William "Bill" Atherton, DC, DACBR, CCSP
 5
      Joseph Danek, CHP
      Jennifer L. Peterson, M.D.
 6
      Kathleen Drotar, Ph.D., M.Ed., RT. (R) (N) (T)
      Albert Tineo, MS, CNMT
 7
 8
     FLORIDA DEPARTMENT OF HEALTH STAFF
     BUREAU OF RADIATION CONTROL:
 9
      James Futch, Environmental Administrator
10
      Clark Eldredge, Interim Bureau Chief
      Dontavia Wilson, Regulatory Supervisor/Consultant
11
      Charlie Hamilton, Environmental Specialist III
      Brenda Andrews, Business Consultant
12
13
     GUEST SPEAKERS (Appearing Remotely):
14
     Yoav Kimchy and Israel Hershko - Check-Cap, Ltd. Isfiya,
15
               Israel
     Darrel Fisher - Versant Medical Physics & Radiation
16
               Safety. Richland, Washington
17
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1 RANDY SCHENKMAN: Well, welcome everybody. 2 ADAM WEAVER: Welcome. 3 RANDY SCHENKMAN: It's good to see everybody 4 without masks. 5 So we'd like to get the meeting started. Why don't we start with introductions. 6 ADAM WEAVER: Start with me? 7 8 RANDY SCHENKMAN: Yeah. Move around this way. 9 ADAM WEAVER: Adam Weaver, University of South 10 Florida. Radiation safety -- laser safety officer. JENNIFER PETERSON: I'm Jennifer Peterson. I'm 11 a radiation oncologist at Mayo Clinic. 12 NICHOLAS PLAXTON: Morning. I'm Dr. Nicholas 13 14 Plaxton, one of the physicians, nuclear medicine 15 physicians at Bay Pines VA. ALBERTO TINEO: Alberto Tineo from Halifax 16 17 Health. I'm the hospital's representative. 18 DONTAVIA WILSON: Good morning, everyone. My 19 name is Dontavia Wilson. I am the program 20 administrator for the certification unit for 21 Radiation Control. 22 CLARK ELDREDGE: I'm Clark Eldredge, Interim 23 Chief of Bureau of Radiation Control and filling in 24 until they finally find a permanent replacement for 25 Cindy.

RANDY SCHENKMAN: Hi, I'm Randy Schenkman. I'm
 a retired radiologist; chairperson here. And I
 worked at Baptist Hospital in Miami when I was
 working.

5 JAMES FUTCH: James Futch, Bureau of Radiation 6 Control, Rad Tech certification program and many 7 other things.

8 BRENDA ANDREWS: Many. I'm Brenda Andrews with 9 the Bureau of Radiation Control. I'm the operations 10 and management consultant.

CHARLES HAMILTON: Charlie Hamilton, Bureau of
 Radiation Control, licensed evaluator and reviewer.

WILLIAM ATHERTON: Good morning. Bill
Atherton, chiropractic radiologist in private
practice in Miami, Florida.

16 REBECCA McFADDEN: Good morning. This is Becky 17 McFadden. I'm the radiologic technologist and I am 18 from Orlando Health.

CHANTEL CORBETT: Chantel Corbett from Fusion
 Physics. I'm the nuclear medicine technologist
 representative.

JOSEPH DANEK: I'm Joe Danek, retired.
Previously worked for Florida Power and Light
NextEra Energy.

25 And Darrel Fisher, good to see you. You look

1 the same as you did 50 years ago when we were in 2 school together.

3 (Laughter) 4 RANDY SCHENKMAN: Okay. We need to approve the 5 minutes from the meeting of September 22nd, 2022. 6 ALBERT TINEO: Move to approve. 7 Huh? RANDY SCHENKMAN: 8 ALBERT TINEO: I move to approve it. 9 RANDY SCHENKMAN: Oh, okay. 10 ADAM WEAVER: Second. 11 RANDY SCHENKMAN: All right. All in favor? 12 MEMBERS: Aye. 13 RANDY SCHENKMAN: Any opposed? 14 (No Response) 15 RANDY SCHENKMAN: No. Okay. We pass. 16 JAMES FUTCH: All right. So --17 RANDY SCHENKMAN: Next will be the Bureau 18 update by Clark. 19 CLARK ELDREDGE: Okay. All right. Some items 20 of note that the Bureau has been involved in for the 21 last -- since the last meeting. 22 Forgetting the Christmas season, starting in 23 January, we had eight staff trained and six 24 participate in providing PRND, preventative 25 radiologic nuclear detection support for the January All Good Reporters, LLC 407.325.0281

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3rd Governor's inauguration. Mr. Futch was
 instrumental in that since he had to deal with
 multiple meetings beforehand with the security
 detail -- planning and providing them guidance on
 what needed to be done for the radiation protection,
 because the folks there kind of lost their
 institutional knowledge on it.

8 Later in January, we had what usually would be 9 a routine scrapyard alarm, nuclear -- where, it was 10 Palm Beach County, I believe, or in Palm Beach 11 County where the alarm went off. Our folks, you 12 know, responded or provided phone support initially. 13 And then the county or the local emergency 14 coordinator got involved and it was blown out of 15 proportion with concerns about there is a, you know, 16 a military gauge radium paint who is -- they helped 17 to truck aside, sent the people to the hospital who 18 were around it in case it was -- so, yes, it got 19 blown out of proportion, which ended up with John 20 Williamson, you know, the environmental 21 administrator, having to give a training on these 22 issues to the surveillance and investigation, EPPI 23 groups to educate folks that once again, on those 24 responses.

25 JAMES FUTCH: It was like an aircraft gauge?

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1 CLARK ELDREDGE: Aircraft gauge, yeah. We've 2 been having lots of fun with stolen moisture density 3 gauges this past couple months. In February, you 4 know, two density gauges showed up on EBay. They'd 5 been stolen from a rail yard in Orlando in August of 6 2022. And we passed that off to FBI and NRC.

7 Then just earlier this month, we had seven gauges stolen in two events. Five from an area in 8 9 Tampa -- I can't remember the other two -- where 10 they broke into a site where they were prepping for 11 road construction with all the other, and just 12 pillaged the site and ended up taking the five 13 gauges with them, with all the other stuff they 14 stole. Very professional job on that one. 15 Apparently, it's the second time that some sort of 16 group might have hit a construction site recently 17 and road construction site and just pillaged it in 18 the middle of the night.

We've been -- our agency, IMPEP, Integrated -don't ask me, I can't tell you the acronym. But it's the NRC federal review of our materials licensing, Integrated Materials Performance Evaluation Program. Auditors from NRC and from other agreement states come to your state and review your procedures and make sure all your licensing is

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1 up to snuff. They've been doing the accompaniments 2 with our field inspectors and they've been 3 getting -- we've been great so far. No -- nothing 4 has been noted of any concern about the 5 accompaniments, back to solving good reviews there. The actual on site will be the week of June 12 6 7 in Tallahassee, where they'll come and actually 8 review all the procedures of the licensing group 9 there.

10 In March, the Bureau housed a training for 11 hazardous response teams from the FBI, National 12 Guard, civilian support teams, Reedy Creek 13 Improvement District and other city and municipal 14 hazardous response teams in Orlando for a couple 15 days and so that was, you know, part of that grew 16 out of our communications over, with the stolen 17 gauges. So the Tampa and Miami offices and Orlando, 18 FBI folks came to our office, out to our Orlando lab 19 for training on radiation detection and clean up 20 of -- or response during an event that involves 21 radioactive materials.

JAMES FUTCH: We ended up loaning them somebutton sources and some equipment, too.

24 CLARK ELDREDGE: I didn't know that.

25 JAMES FUTCH: Yeah. It was kind of surprising

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to find out the FBI doesn't have any check sources for any of their radiological gear. They have three welding rods. So we, we loaned them some things.

4 CLARK ELDREDGE: So James, again, and Charlie, 5 they were -- they went from Tallahassee down to 6 assist John Williamson and Reno Faudy (ph), Mark 7 Sykes, the crew down there with the training.

8 In April, another fun one. We got a call 9 transferred from California, called the NRC, and 10 then NRC transferred to us, about malicious 11 diversion of three Category 2 radiography sources. 12 This California firm had sold radiography sources to 13 an oil company in Venezuela. To get there, you 14 know, you have to set up a, a shipping company, a 15 broker and a transport agent. And they were -- it 16 went from California to Miami, and then had to go to 17 Bogota before Caracas since you can't necessarily go 18 directly between the U.S. and Caracas at this time.

19 The shipping of the transport, the transporter 20 in Miami supposedly had a beef with the broker being 21 owed money, and so they decided to hold on to the 22 three Iridium sources and put them in their bathroom 23 at their office.

JAMES FUTCH: Like, originally, 100 curies or
150 curies. It's an industrial radiography source.

1 Three of them.

CLARK ELDREDGE: Three of them. And they -was it October, November that they put them aside? So this was, you know, the week of May 10 -- I mean April 10. So they actually decayed down a good bit, which is a good thing, but they'd been sitting there. I think they were 16 curies each at that point. Something like that.

9 So after getting the phone call on a Monday, we 10 coordinated with our FHP cohorts in the -- we do the 11 PRND activities with, and made it -- first made a 12 call to the transport agent and that's when we --13 oh, these guys owed me money. I thought this was 14 worth something. I was going to hold it until they 15 paid me. Oh, and then said, no, the sources weren't 16 in his office anymore.

17 So our staff, with FHP, went two days later 18 went and drove around their offices; didn't see 19 anything from the outside. Went in to -- went in to 20 interview at the office and they were still there 21 and offered them the option of, you know, do you want to surrender these now or not? You know, 22 23 you're unlicensed. You have no authority to hold on 24 to these type things and so they surrendered them at 25 that time.

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By Friday that week, the California company had arranged for their -- it was on the way back to California. Their agent in Tampa came over to the Orlando lab where we had stored them and shipped them from Miami up to Orlando. And then they came to pick them up and shipped them back to California.

7 Jorge Laguna, who's our inspections 8 coordinator, has been traveling internationally for 9 the IAEA. So previous, last year, he went down to 10 Brazil for IAEA for a regional meeting of radiation 11 protection officials for South America, Central 12 America, to talk about guidance on dealing with radioactive materials, dealing with Radon, dealing 13 14 with, you know, management licensing. And so, they 15 invited him to participate in an African Regional 16 Training and Summit sponsored by IAEA. So he was in 17 Zimbabwe there for a few days presenting on behalf 18 of the IAEA.

Now, this is also coordinated through the Conference Radiation Control Program Directors, which is the national organization of state radiation agencies. So -- since he's a member of that, he got tapped to represent, tour with the IAEA since they have an inter-agency coordination

25 agreement, support radiation protection throughout

1 the world.

2 And then come to May, the national meeting in 3 Houston, Mr. Laguna presented on his trip and I 4 actually talked with Don Miller, had a facility 5 session with Don Miller on FDA of the proper 6 radiation machine labeling and concerns as I 7 presented before about how we're getting the Chinese 8 machines with no -- they haven't been FDA approved. 9 And the fact we actually will find other machines 10 from -- being imported without proper FDA labeling, 11 even though they've actually been approved. They have their five 10Ks. 12 So -- and that covers what we've been up to 13 14 recently. 15 RANDY SCHENKMAN: Anybody have any comments, 16 questions? 17 JAMES FUTCH: Clark, was there any follow up 18 from NRC to clarify if something like the California 19 source thing happens again, what's the -- what kind 20 of -- it felt like we were out on uncharted 21 territory. CLARK ELDREDGE: That's a weakness in the NRC 22 23 regs in the shipping -- in fact, if I can get the 24 group, let me get the right name. 25 JAMES FUTCH: I know when Kevin came down the

1 hall when he first got the call, things were on a 2 fairly smooth glide slope because he had gotten the 3 shipper down in Miami to at least tentatively agree 4 to give up the sources, but that's when the shipper 5 called the company in California to ask them how much this was worth. And, and that's when the 6 7 shipper found out that they were no longer at the 8 address that they were legally supposed to be at. 9 They had moved them some place else. So things 10 kicked into overdrive at that point.

11 CLARK ELDREDGE: Right. Well, the, the folks 12 from California actually had gotten a call from 13 Caracas saying where are our sources? It has been 14 six months. And so then started to --

15 JAMES FUTCH: It took them that long to ask 16 where the sources were?

17 CLARK ELDREDGE: And that's -- yeah, five 18 months, something like that, which is really odd it 19 decided to take them that long. And there is 20 somewhat of a weakness in our current federal 21 structure about when things are shipped, and getting 22 feedback that they're shipped, a notification to 23 other states that sources like this are coming 24 through. That's not part of it and I'm trying to 25 get the, the name of the group. The TS --

1 REBECCA McFADDEN: My question would be, who 2 would handle all of the expenses that surround that 3 issue? I mean, is that something that the, the 4 transporter would cover or does the State just cover 5 it without --

6 CLARK ELDREDGE: The licensee, until it's 7 officially in the other person's hands, they're --8 REBECCA McFADDEN: So it's the people in 9 California who would be the shipper or the person 10 who sent it, would be responsible for all that? JAMES FUTCH: Yeah. One of the questions we 11 12 had was, how could it take so long for the authorities, the radiation authorities at the 13 14 national or state level where it's supposed to 15 happen, to find out about it. That it didn't get 16 shipped. I mean, it was, like Clark said, five, six 17 months since. 18 ADAM WEAVER: Are these true Category 2 19 sources?

20 JAMES FUTCH: It was --

21 ADAM WEAVER: -- as defined as increased 22 controls?

23JAMES FUTCH: It was three, 150 curie Iridium24182. I don't know off the top of my head.

25 ADAM WEAVER: So, yeah. They're Cat 2's, if I

1 remember correctly.

2 CHANTEL CORBETT: But with any sources, I think 3 really, like, your shipper and receiver are really 4 the only ones that know what approximate time it 5 should be, you know, there. 6 CLARK ELDREDGE: Right. 7 CHANTEL CORBETT: So anybody in the middle, 8 like you said --9 ADAM WEAVER: If they follow the increased 10 controls, those should be tracked more, as part of, 11 Part 37 in the State's equivalent. 12 CLARK ELDREDGE: Again, it's the fact that --13 ADAM WEAVER: I know it's coming from 14 California. 15 CLARK ELDREDGE: The licensee shipping to Florida. 16 17 ADAM WEAVER: But then it's shipped, right. In 18 theory, they should have notified you guys that 19 these things were coming, but --20 RANDY SCHENKMAN: Is that what you're trying to 21 get the Government to do? 22 CHANTEL CORBETT: Yeah, because you're saying 23 there's not a requirement. 24 CLARK ELDREDGE: There's not a requirement for 25 that, so there is no --

RANDY SCHENKMAN: Is that what you're trying
 to - ADAM WEAVER: -- when you ship those.

4 CLARK ELDREDGE: There is some actual review or 5 something and I'm trying to remember the TS, there's 6 a national work group on transportation security for 7 sources.

8 ADAM WEAVER: Within DOT.

9 CLARK ELDREDGE: TS, it's out of -- not 10 Chattanooga. Oak Ridge. Oak Ridge Labs, they've 11 got a contract to manage the -- I'm trying to get 12 their -- because they just sent me an e-mail because 13 I met them at the CRCPD meeting.

14 It's an alphabet soup acronym. I cannot15 remember. TSURIG, something like that.

16 ADAM WEAVER: Yeah, yeah. I think I've heard of 17 them.

18 CLARK ELDREDGE: Okay. Transportation Security
 19 United -- Unified Stakeholders Group. TSUSG.

20 ADAM WEAVER: Okay.

21 CLARK ELDREDGE: Operated out of ORNL. Oak22 Ridge National Lab.

23 RANDY SCHENKMAN: And they're trying to get
24 these tracked or --

25 CLARK ELDREDGE: That was one of their -- that

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is one of their issues right now is the tracking of
 these sources.

3 ADAM WEAVER: It really goes to the 4 manufacturer who shipped them first. He or -- that 5 company should have, you know, made sure he complied 6 with Part 37, which does require you to notify. 7 JOSEPH DANEK: Does not? It does not require? 8 ADAM WEAVER: It does require. Cat 2 sources. 9 JOSEPH DANEK: Yeah, I think. 10 CLARK ELDREDGE: There's also the current issue 11 about applying the Part 37 down to some levels of Cat 3 sources also. I don't know the details. 12 13 ADAM WEAVER: They're trying -- they're working 14 on a draft, I believe is where the NRC is. 15 RANDY SCHENKMAN: Okay. Any other comments about this? 16 17 JOSEPH DANEK: Just real quick. NRC was out of Atlanta, California, headquarters that was involved 18 19 in this? CLARK ELDREDGE: It was, they've got a national 20 help group or something. So it was --21 22 JOSEPH DANEK: Probably out of headquarters. 23 CLARK ELDREDGE: Headquarters. 24 JOSEPH DANEK: Yes. King of Prussia. 25 CLARK ELDREDGE: When the call was transferred,

1 it was basically blind transferred without any information and it was, Kevin said, all of a sudden, 2 3 we're talking to a guy from California and what's 4 this all about? 5 RANDY SCHENKMAN: Okay. Are we ready to move 6 on? 7 Okay. Next we will have from our gentlemen on the screen, Introduction to a Tungsten-181 X-ray 8 9 Imaging Capsule for Colorectal Cancer Screening. 10 ISRAEL HERSHKO: Can you see my screen? 11 RANDY SCHENKMAN: Yes. 12 ISRAEL HERSHKO: Okay. So do you want to 13 introduce yourself? 14 YOAV KIMCHY: Yes. Good morning, everyone. My 15 name is Yoav Kimchy. My background is physics, 16 mathematics and environmental engineering with a 17 Ph.D. in single processing physics. 18 I founded the company Check-Cap in 2005 and 19 currently serving as the CTO of the company. 20 ISRAEL HERSHKO: And good morning. I am Israel 21 and my background is electro optics and business 22 management. And I'm with Check-Cap around seven 23 years and, like, 25 years in the medical device 24 industry. DARREL FISHER: 25 Thank you. My name is Darrel

Fisher. I'm a proud graduate of the University of Florida with a doctorate in medical physics with Versant. Now, Versant is the company that took over for Dave Muller, leading provider of health physics services in the U.S. And a gold sponsor of the Health Physics Society.

7 My background includes 35 years as a senior 8 scientist at Pacific Northwest National Laboratory 9 here in Richland, Washington. And I've served 10 previously on the, the NRCs advisory committee on 11 the medical use of isotopes, supporting Check-Cap in 12 this presentation.

13 CLARK ELDREDGE: This is Clark. If you -- that
14 went away. One of our screen was somehow copying.
15 That was ours? Okay. Whatever. It cleared up.
16 ISRAEL HERSHKO: Yeah, I move it.

16 ISRAEL HERSHKO: Yeah, I move it.

17 RANDY SCHENKMAN: Thank you.

JAMES FUTCH: Darrel, thank you for the introduction. We won't hold it against you, the University of Florida part.

JOSEPH DANEK: I've got you to deal with that.JAMES FUTCH: Gentle ribbing.

YOAV KIMCHY: In the presentation, we'd like to
talk about the clinical need, how the system is

25 designed, the imaging principles, the capsule

components, including the 181 x-ray source, the
 method of use, and Darrel is going to talk about the
 regulatory elements and guestions.

Next slide, please.

4

5 Okay. So colorectal cancer can largely be 6 prevented by finding pre-cancerous polyp detection. 7 A lot of people are reluctant to do optical 8 colonoscopy because it requires all cleansing and 9 sedation and prep, which is the, probably the worst 10 part of it.

11 What we're developing is a low-dose system. 12 It's basically a capsule that you swallow. You go 13 on your daily routine and it does not require a 14 polyp preparation.

15 The capsule, we've received FDA designation as 16 a life saving device. And we've received CE mark 17 approval at the European part of FDA from the 18 European market.

19 Next slide.

20 So colorectal cancer is very slow-growing 21 process. It starts at benign polyps, which 22 gradually and slowly grow in the colon over a 23 decade, a decade and a half, and no symptoms are 24 felt by the patient. And then it starts, some of 25 the polyps become cancerous.

Stopping the process is like, basically finding
 the polyps before they become cancer. And with
 colonoscopy taking them out so the patient doesn't
 even proceed through the cancerous stage.

5 If you look at the average risk population, 6 about 75 percent, no polyps. About 25 percent have 7 polyps which grow slowly and might become cancerous 8 and about 0.5 percent of average risk of the 9 population have cancer at one stage or the other.

10

Next slide.

11 And obviously, if you find it early or even in 12 the polyp stage, there's more than 90 percent chance 13 that the patient will be completely cured. So it's 14 a very well worth looking and stopping.

15 In terms of how the system works, we have three 16 elements in the C-Scan System. One is the capsule, 17 which is a single-use ingestible capsule. Travels 18 naturally in the body. It has a low dose, ultra low 19 dose x-ray scanning technology.

20 The tracker is a device that is put on the back 21 of the patient. It has autonomous control. It 22 communicates with the capsule. It has two 23 functions. One is to track the position of the 24 capsule with a less than one centimeter accuracy. 25 And also to command the capsule in the scan. It's

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1 scanning only when it's moving. And also to collect 2 all the data from the capsule so it can be retrieved 3 and afterwards downloaded.

4 The third part of the system is a C-Scan View. 5 It's a cloud-based analysis suite used by the 6 physician to use the data and look for possible 7 suspects. Most of the patients will have nothing, 8 because that's the prevalence of polyps is less 9 than, let's say 25 percent or less. Those patients 10 that do have something, the patient will be advised 11 to go through colonoscopy to remove the polyp. 12 The next slide.

13 So the intended use is for people, and now it's 14 45 years and older, to get screened. And it's to 15 find patients that have suspect findings that might 16 be a source of polyps. Can take it out by advising 17 the patient to go to a colonoscopy.

18 Next slide.

As I said, the procedure is simple. You take the capsule. You take some psyllium fiber capsule with each meal and some iodine-based contrast agent with each meal, one tablespoon. And then you swallow the capsule and it moves naturally in your body. You continue to do your normal routine. The tracking system monitors the position of the

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capsule; tells it when to scan and collects all the
 data. And once the capsule is excreted, all the
 date is recorded to be downloaded later.

Next slide.

4

5 Some things that you're advised not to do when 6 you have the test. One is travel. The other is go 7 near high energy or electromagnetic interference 8 because our tracking system is based on 9 electromagnetic signals and this might interfere 10 with it.

Medical procedures, such as CT and MRI can be disruptive to the system. And swimming or scuba diving is not advised, as well as high intensity sports, since the recorder might fall off. Anything else is -- you can do anything. You can work. You can sleep; shower, anything that is normal in your routine until the capsule is gone.

18 Right now, the directive is to collect the 19 capsule at the end of the procedure. For that, 20 we've added a system of, or a set of collection 21 system that allows the patient to look inside the 22 stool once the stool comes out, and collect the 23 capsule and send it back. Actually send it to the 24 decaying center.

25 Next.

1 The way the system works, we have an x-ray 2 source inside the capsule. Basically a collimator 3 that is turning with a slow motor. Three beams. 4 And these beams are x-rays and two physical 5 phenomenas are used the imaging. One is x-ray 6 florescent from the contrast agent mixed in the 7 stool and the other is contents gathering that comes 8 from both the contents of the stool, of the colon, 9 and the tissue beyond. These are in two different 10 energies and the capsule is able to collect these 11 two different energies and actually use those to 12 find the distance between the capsule and the colon 13 wall.

So it basically maps the inside of the colon, disregarding the content, the stool, because x-rays that travel through that. And we're able to find the distance to the colon wall. So any protrusion, such as a polyp, will appear in the reconstruction.

Next.

19

20 The capsule itself, you can see here. The 21 inside, it has the x-ray imaging system. The 22 radiation source goes inside that hole. Detectors, 23 electronic communication, radio frequency 24 communication. The capsule is very sturdy. That 25 means that tungsten of two millimeters in thickness

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blocks all the radiation. It's open with a spring shutter, so any time that it's not working for any reason, either it's not scanning or no battery or whatever, the spring-loaded shutter keeps the shutter closed and no exposure to the patient.

Next slide.

6

7 The source, itself, is Tungsten-181, which has a half-life time of 121 days. Maximum activity is 8 9 50 mCi. Usually we -- patients will have 30, 35 10 The most emission energy is around 60, 70 keV. mCi. 11 Effective dose to the patient for the whole duration 12 of the study, of the test, is about 0.06 mCi. We tested it for Iso 2919 and it's obviously tested for 13 14 white test, both the canister, itself, and the 15 capsule, itself, before it is shipped out of our 16 facility.

17 And the next slide.

In terms of exposure to the patient, you're probably aware of exposure of other medical imaging, so we're looking at a very low exposure to the patient relative to chest x-ray or other, other imaging modalities.

23 Next.

This is data from the study that we did postFDA approval in the European regulatory process. So

1 you see patients with all size of polyps. And 2 that's six millimeters and up, we had 66 percent 3 sensitivity. Polyps larger than ten millimeters, we 4 had 76 percent sensitivity for those polyps. And we 5 had large polyps, 40 millimeters and above, which 6 are the ones that might have about 40 percent chance 7 of becoming cancerous, the system found all of them. 8 We had about, I think, four of these very large 9 ones.

10 You can see also the correlation to --11 comparison to fecal stool testing that was done in 12 those patients and you see the results in terms of 13 the percentage of detection for those patients for 14 those polyps. Specificity was 82 percent.

15 Next slide.

Here you can see how data looks on the viewing system once the data is downloaded. And you can see on the left, top left side, that's the 2D scan and we can see the suspect finding.

20 Bottom left, you can see the 2D slides and on 21 the right, you see the 3D reconstruction. Middle, 22 on the bottom, you can see the position of the 23 suspicious finding. It's about -- a cancerous 24 colon. And the position, you do measurements that 25 can basically decide if that's something that

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requires further investigation and colonoscopy.
 Next slide.

3 These are examples of polyps. A small one at 4 the top, five millimeters. Bottom is the 20 5 millimeter. On the right side, you see the 6 colonoscopy images. In the middle is the 3D 7 reconstruction on the capsule and on the left, how 8 the physician or the -- an analyst looks at the data 9 before it's decided if it's a suspect finding. 10 Next slide. 11 And I pass it to Darrel.

12 DARREL FISHER: Thank you. And thank you to 13 those of you from the Council who made this 14 presentation possible.

15 There have been a number of questions of 16 regulatory concern on the Check-Cap capsule. And 17 first of all, I'd like to just briefly go over how 18 it's designated by the FDA.

As mentioned, it has breakthrough device designation as an investigational device. With an IDE, Investigational Device Exemption, approved by the Food and Drug Administration for pivotal clinical trial use. This is important to gather sufficient data on safety and efficacy prior to final FDA approval.

1 The C-Scan System is authorized under the Code 2 of Federal Regulations for medical use as a sealed 3 source device, manufactured, labeled, packaged and 4 distributed under 10 CFR 30 and 10 CFR 32.74. 5 Specifically for pivotal clinical trials, research 6 as an advanced approach for identifying subjects 7 with elevated risk of colon polyps and to collect 8 clinical trial efficacy data.

Next.

9

Is an Institutional Review Board at the participating institution required? And the answer is yes. Prior to use, an IRB review is required to approve and monitor the use of the Check-Cap C-Scan System for research purposes.

15 Another question, are sealed source inventory 16 requirements applicable? And the answer is yes. 17 The capsules are managed as individual, discrete 18 sources; therefore, the requirements in the Code of 19 Federal -- Code of Federal Regulations for 20 semiannual physical inventory and recordkeeping are 21 applicable. However, since these capsules are used 22 immediately on receipt and are not stored by the 23 licensee, it would -- it would not be expected that 24 the inventory would take place on a semiannual 25 basis.

Next.

1

2 What is the diagnostic exam process? The 3 capsules are received by the participating hospital 4 and soon thereafter, administered to the patient by 5 the licensee's authorized user. The patient then 6 returns home, leaving the center. The capsule, as 7 mentioned, travels through the GI tract over a period of 24 to 72 hours with a mean transit time of 8 9 about 52 hours and is excreted naturally.

10 According to instructions, the patient collects 11 the capsule using the special capsule collection kit 12 provided for return to the manufacturer.

13 The most important requirements for the 14 licensee are the following: Maintaining complete 15 records of radioactive material receipt and 16 administration to the patients. The licensee also 17 maintains record of authorized user training and 18 record of instructions given to patients on

19 radiation safety.

Next.

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Is leak testing required? The answer is no. The capsule design and manufacturing have been subjected to rigorous sealed source leak testing for conformance with the requirements of ISO 2919:2012, and ISO 9978:2020. The manufacturer performs

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additional capsule wipe testing prior to shipment to
insure that, to insure each capsule maintains sealed
source integrity. With each shipment to a clinical
site, the manufacturer provides a certificate
stating that the sealed source has been leak tested
and shown to be within the regulatory limit for, for
leaching.

8 These capsules are designed that they would not 9 leak any radioactive material unless crushed and 10 ground. So the -- they're very -- they have very 11 strong seal source integrity and the Tungsten-181 is 12 embedded within Tungsten metal and would not 13 dissolve.

Is a written directive required? The answer is no. Under 10 CFR 35.40, the capsule is a low-dose diagnostic tool and a written directive is not required for patient use.

18 Who is the authorized user? The authorized 19 user oversees or administers capsule ingestion and 20 may be named on the radioactive materials license. 21 This varies by state. Some states would require, 22 require it; others would not.

23 Under 10 CFR 35.590, training for use of sealed 24 sources, the authorized user is a physician 25 certified by a specialty board who has completed a

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minimum of eight hours of classroom and laboratory
 training in basic radion nuclide handling techniques
 specifically applicable to the use of the device.
 Next.

5 Does the authorized user receive training by the manufacturer? Yes. The authorized user must 6 7 become familiar with the training materials provided by Check-Cap. There is on-site training. 8 Ιt 9 includes training in all processes, procedures, 10 instructions for medical use, including radiation 11 safety, as provided by the manufacturer in the, in the manufacturer's documentation. 12

Is medical events reporting required for an 13 14 unusual incident? The capsule is ingested and later 15 expelled. Since the Tungsten-181 source is 16 shielded, most of the time in the window closed or 17 off position, and since the anticipated radiation 18 dose to the patient is very, very small, less than, 19 as mentioned, on average, about .06 mSv, the 20 probability of a reportable medical event meeting 21 the criteria is essentially completely unlikely, unless administered to the wrong patient. So 22 23 medical event reporting would be highly unusual. Do the patient release criteria in 10 CFR 35.75 24

25 apply? Yes, the criteria applies, but it is not

physically possible for a radiation dose to a member
 of the public to exceed the criteria given in 10 CFR
 35.75.

Backing this up is extensive scientific review performed for Check-Cap, showing that all -- for all relevant exposure scenarios, including those with the most conservative assumptions, the radiation dose to any member of the public would not exceed .1 rem or one mSv in a year.

10 Must the licensee report the loss or theft of 11 the capsule? The answer is yes. Under 10 CFR 12 20.2201, reports of theft or loss, requires each licensee to report within thirty days after an 13 14 occurrence, any loss, stolen or missing licensed 15 material. However, keep in mind that this section 16 applies to the licensee and to loss of radioactive 17 material controlled by the licensee or within the 18 premises of the facility. However, losses that may 19 occur by intervention of a medical patient after 20 release from the hospital or clinic, such as failure 21 to retrieve an excreted capsule, would constitute 22 actions beyond the control of the licensee and not regulated under 20.2201, whether or not the loss by 23 24 the patient is intentional or unintentional.

25 The commissioners of the NRC have recently

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reiterated the fact that patient interventions are
 not regulated.

Next.

3

4 Is capsule disposal into the sanitary sewer 5 system permitted? The answer is no. The Check-Cap instructions for use do not permit disposal of these 6 7 capsules by release into the patient's sanitary 8 sewer system. A used capsule should always be 9 returned to the manufacturer or to its licensed 10 facility designated for disposal instead of disposal 11 into the sewage.

What happens if the patient dies before the capsule is excreted? If the patient should die before the capsule passes completely, it should be removed by a medical procedure and returned to the manufacturer or to a licensed facility according to the instructions for use provided by Check-Cap.

18 There are probably many other questions that 19 could apply and so we would invite you to ask 20 additional questions if necessary.

21 RANDY SCHENKMAN: I have a question. What
22 happens if somebody can't swallow that capsule?
23 It's very large.

24 Did you hear me?

25 ISRAEL HERSHKO: Yoav?

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1 YOAV KIMCHY: Yes. I will answer. Until now, 2 we had about a thousand such patients with the 3 capsule and I think maybe seven or eight capsules, 4 the patients could not swallow. It's part of our 5 exclusion criteria, if the patient cannot swallow 6 capsules, large capsules, and we usually find them 7 before they come into the process.

8 We found mixing it with a little bit of apple 9 paste or -- to make sure, usually makes it easier 10 for patient to swallow. And that's our experience 11 so far. So we had about, I think not more than 12 eight patients that could not swallow the capsule, 13 but maybe I'm wrong.

14 ISRAEL HERSHKO: I just put you on mute, so can15 you unmute? Okay.

16 RANDY SCHENKMAN: Are you looking to make the 17 capsules smaller?

18 ISRAEL HERSHKO: I believe that in the future, 19 the next generation will make it smaller, but it 20 will take a few years.

21 NICHOLAS PLAXTON: I had a question. I don't22 know if you guys can hear me.

I was wondering, you know, since they swallow the pill, are you doing any diagnostic on the small bowel, even though it's, you know, less common to

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have cancer in the small bowel, but since it's passing through, do you have any kind of analysis for the small bowel as well as the large bowel?

YOAV KIMCHY: Right now we don't. Right now we
concentrate on the colon because that's, that's
where most of the patients have problems.

7 WILLIAM ATHERTON: Hi. Could you explain the 8 benefit of the test versus the -- so if it's a 9 positive test, then the -- it's a recommended 10 colonoscopy, correct? And what -- so the benefit 11 comes if the test is negative, correct? And then 12 what's the recommendation, another test for five 13 years or is there a recommendation for the test?

14 YOAV KIMCHY: Yes. That would be a
15 recommendation. Obviously, it will need to align
16 with what the FDA provided. Yes, but that's usually
17 a good direction.

JOSEPH DANEK: My understanding, there is some clinical trials going on right now at Mayo Clinic in Florida. Is that true? Somebody mentioned that to me. Is that true? So right now, there is some clinical trials?

CHARLES HAMILTON: Currently we have one
licensee. It's a broad scope medical. Only broad
scope medicals can -- are allowed to do the

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procedures. Clinical trials that last through
 December of this year and they are licensed for 500
 mCi total of Tungsten-181, no capsule to exceed 50
 mCi, and that's Mayo Clinic Jacksonville.

5 JOSEPH DANEK: I'm just looking at your notes 6 and all that. You said the patient can return it to 7 the manufacturer licensed facility. I would imagine 8 that would be the licensed facility that would --9 you wouldn't want to send them directly to the 10 manufacturer. It would go through the licensee.

11 ISRAEL HERSHKO: Let me take this. The patient 12 is, is getting an envelope with the address and the 13 phone number that our party in the U.S. and then the 14 capsule is sent to solution in Ohio for decay.

JOSEPH DANEK: What is the contact radiation level on the, on the device? I know it's got 121 day half life but just -- before decay or whatever. I know it's very low. What is it roughly? Contact radiation on the device, the capsule.

20 ISRAEL HERSHKO: Yoav, can you --

21 YOAV KIMCHY: I don't remember it by heart. I 22 don't remember the number, but it's, it's less than 23 a mGy area, but I don't remember.

24 JOSEPH DANEK: I'm sorry, what did you say?

25 ADAM WEAVER: Less than a mGy.

1 YOAV KIMCHY: I don't remember by heart, but I 2 have a -- I'll look it up. I can give you the 3 results in a few minutes. 4 JOSEPH DANEK: Okay. That's fine. 5 ADAM WEAVER: It's pretty low energy. 6 ISRAEL HERSHKO: The capsule --7 JOSEPH DANEK: I understand. Just curious. 8 ISRAEL HERSHKO: The capsule is sent by the 9 patient in expected package to the site in Ohio for 10 So it's off all the time and meets the decay. 11 requirement of expected package, and no radiation 12 exposed to anyone in the, in the -- no way human 13 exposure. 14 NICHOLAS PLAXTON: I'm just curious. How many 15 of these have you lost down the sewer? 16 ISRAEL HERSHKO: In the, in the states, we lost 17 until now, two. One in Mayo, Rochester and one in 18 New York. 19 CLARK ELDREDGE: And that's out of how many? 20 ISRAEL HERSHKO: It was -- we had starting 21 about 45 patients and now we have, like, in the 22 people town, we have about 20, 22. So together, 23 it's like 66, 65. 24 After we lost the capsule in, in Rochester, we

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decided to, to change the collection kit to be more

robust and they now -- the people don't try -- the 1 2 patient is getting the new collection kit that is 3 more friendly and robust that the capsule cannot be 4 lost in the sewer. 5 NICHOLAS PLAXTON: How much do the capsules cost, approximately? 6 7 ISRAEL HERSHKO: I think that we cannot tell 8 you this. 9 (Laughter) 10 ADAM WEAVER: Good try. 11 JAMES FUTCH: Especially the people down in 12 Hialeah. The shippers down there. They might be new customers. 13 CLARK ELDREDGE: What kind of -- how did you 14 15 all do your dose study? What was your -- what were 16 you doing to figure out what your estimated dose to 17 the patient is? 18 YOAV KIMCHY: We used TOD in the lab and we 19 have hired a radiation specialist, Dr. Grossman, 20 that did the analysis with us. So we have both 21 theoretical and actual measurements. CLARK ELDREDGE: I think it was mentioned that 22 23 the shutter opens when the object is being moved. 24 It's sensing movement in the system. Does -- yeah.

25 Do you have some way to restrict it just to the

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large colon or is it imaging all the way through until, you know, what's the control mechanism?

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YOAV KIMCHY: Sure. We know exactly the
position of the capsule all the time. We have a few
mechanisms that understand when the capsule gets
into the colon. And out of an average of 52 hours,
the capsule scans about 40, 45 minutes at the most.

8 ISRAEL HERSHKO: We can sense, we can sense 9 the, the capsule and get into the cecum and from 10 that moment, the capsule or the tract can send 11 commands to the capsule for scanning.

12 WILLIAM ATHERTON: Is there any concern for --13 I know the dose is very low, but it sounds like 14 that's, like, a whole-body dose. Is there any 15 concern for the actual, the dose being so close to 16 the radiosensitive lining of the colon? Is that a 17 concern or is it too low to be a concern?

18 YOAV KIMCHY: We did do a total analysis of the 19 actual exposure to the patient's tissue. The colon 20 tissue. We're looking at the mGys and I think it's 21 2.3 mGys, an average. We have complete records with 22 the FDA on that.

23 CLARK ELDREDGE: So what's the dose rate or24 exposure rate when it is open?

25 YOAV KIMCHY: I have all the tables. I'll give

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you in a moment. I'll get back to you just a
 second.

3 JOSEPH DANEK: So who reviews the, I guess like 4 the scan results? You've got the track on the 5 person's back and I'm just trying to understand the 6 logistics.

7 ADAM WEAVER: Who can interpret the results?8 JOSEPH DANEK: What's that?

9 ADAM WEAVER: Who can interpret the results? 10 JOSEPH DANEK: Yeah, I mean the capsule and the 11 tracking mits. Again, the procedure's been done. 12 The capsule goes back, I guess with the tracking. 13 What's the logistics on how the results, scan 14 results, who reads them, who interprets them?

15 YOAV KIMCHY: Sure. So we have two processes. 16 The first one is the -- we have analysts right now 17 that are looking at each patient's data and coming 18 up with possible optics.

And then physician writes up -- looks at this data and decides if the patient is positive or negative. Some physician. And he decides that the gastroenterologist who is trained with quite a few cases in order to understand that that's the suspected needs to send for colonoscopy.

25 That's the process that we're currently

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1 running. The idea is when we have enough data, the 2 technical analysis will be done with AI, with 3 artificial intelligence, and then a physician will 4 sign off after looking at or reviewing the data from 5 that.

6 ISRAEL HERSHKO: The first, the first -- the 7 first part of the, the process is that the patient 8 is sending the track separately from the capsule to 9 our -- we have a, in New York, a site that gets it 10 to the --

YOAV KIMCHY: The cloud.

11

12 ISRAEL HERSHKO: Sending the data to the cloud.
13 And then the analysis team is taking the data from
14 the cloud and starting work on the data.

15 NICHOLAS PLAXTON: How fast is the turn around
16 time? How long does it take to get the results?
17 YOAV KIMCHY: A few days, literally.

18 CHANTEL CORBETT: And then those results are 19 sent back to the facility for the authorized user to 20 do the final review and report?

21 YOAV KIMCHY: Right now in our clinical data, 22 in our clinical trial, we've trained four, five 23 gastroenterologists and they will do all the data 24 analysis.

25 CHANTEL CORBETT: Right. So those people would

either have to be added to a license in Florida or
 the person that's the authorized user in Florida
 would have to overread the report.

4 ISRAEL HERSHKO: Currently, the licensee is not 5 doing the analysis.

ADAM WEAVER: Have you had any adverse effects,
like, not passing the, the device?

8 YOAV KIMCHY: I think the longest patient that 9 we had was something like 300 hours. That's a very 10 big outlier. And it was taken out of a colonoscopy. 11 I don't remember, there were a few patients, maybe 12 -- I don't remember the exact, but nothing that, you 13 know, obviously no deaths or anything like that.

14 ISRAEL HERSHKO: We didn't have any serious 15 adverse events. We have only a minor adverse event 16 like headache or stomachache, stomach pain. And 17 those are the, the worst event that we have.

18 WILLIAM ATHERTON: And the one that you said 19 that they had to remove, you said they removed it by 20 colonoscopy. What was the reason?

21 YOAV KIMCHY: That's correct.

22 WILLIAM ATHERTON: What was the reason? 23 YOAV KIMCHY: Just the colon immobility. It 24 was -- stayed in the, in the cecum -- that's the 25 beginning of the colon -- and didn't move out from

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1 there.

2 ADAM WEAVER: Got stuck. 3 I have a question about, NICHOLAS PLAXTON: 4 like, when you guys have, or if you have a patient 5 that died, to retrieve the device, is that a nuclear regulation or is that -- it seems a little 6 7 aggressive. You think you would just leave it in 8 there. 9 YOAV KIMCHY: Darrel can answer that. 10 DARREL FISHER: Yeah. The requirements would 11 be up to the individual state regulating the 12 There isn't a radiation hazard, but the, procedure. 13 the idea of leaving a radioactive source in a corpse 14 to some people is not a good idea when it can be 15 easily removed. So -- and also, it's important to 16 return the capsule to the manufacturer and not leave 17 it behind. We don't wish it to become an orphaned 18 source in a corpse. The probability of a patient 19 dying during this procedure is remote. However, it 20 could easily be retrieved. 21 NICHOLAS PLAXTON: Do you guys reuse the 22 capsules? 23 DARREL FISHER: No. These are single-use 24 capsules.

25 WILLIAM ATHERTON: And do you produce the

source from your own company or -- where do you
produce the source?

3 We have a second site in ISRAEL HERSHKO: Yes. 4 Israel that we pay to produce the sources and 5 everything is controlled by the standard regulation. 6 CLARK ELDREDGE: How long is the -- I mean, 7 since we're talking about, of course, radioactive source, what is the sort of maximum time between 8 9 manufacture and use for these things? How long can 10 they sit on the shelf before your source is decayed 11 too low?

12 YOAV KIMCHY: It's two to three weeks at the 13 most.

14 ISRAEL HERSHKO: The current status that we are 15 not putting the capsule at least on storage. It 16 goes directly to the licensee and within one or two 17 days, it has been swallowed.

18 JAMES FUTCH: Anybody else?

19 RANDY SCHENKMAN: Well, we really thank you for
20 this presentation. This was just a very good
21 presentation and we appreciate it. And we also
22 appreciate your answering all of our questions, so
23 thank you.

24 JAMES FUTCH: Israel, do you have any questions 25 for us?

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ISRAEL HERSHKO: Maybe I have a request. We're working with a few sites in Florida and would like, would be happy that you guys will work with them in order to get the licenses as soon as possible. We'd like to, to get as much as -- more sites for the study in order to get the final, to get the device to the U.S. market.

8 JAMES FUTCH: You were talking about more 9 sites. Dr. Plaxton seemed interested in the small 10 bowel. I don't know if that means the VA has got an 11 interest or what.

12 ISRAEL HERSHKO: Be patient.

13 NICHOLAS PLAXTON: How many people do you need 14 here for your study to get, for FDA approval? 15 What's the ballpark number?

16 ISRAEL HERSHKO: Currently, we have 752. And 17 on those days we are in the contact with the FDA to 18 enlarge the study for about 1500.

JAMES FUTCH: We have several facilities represented at the table and other people who deal with more facilities represented at the table. So if your facilities wanted to become interested -- to be a part of using this device as part of the study, what additional questions, what issues may you have? CHANTEL CORBETT: Yeah. It's still going to

come back to, they have to have an IRB, so it's a
 limited pool as to who can do it at this point.
 ADAM WEAVER: Has to be a medical broad scope,

4 too.

5 CHANTEL CORBETT: It has to be broad scope 6 license, so that strictly limits, you know, who can 7 do it. And the authorized user, I'm assuming, has 8 to be the final read. So are they just doing an 9 overread of the interpretation that the manufacturer 10 sends, you know, to be compliant.

ADAM WEAVER: Yeah. Interpretation is a bigquestion in this state.

13 CHANTEL CORBETT: Yeah, I mean a lot of states 14 don't require the authorized user, you know, to be 15 listed on a license to read a study, but in Florida 16 it is, so --

JAMES FUTCH: So Darrel, you guys, that might be a -- something to talk further about with the sites, I guess. Kevin is not here, so I'm not sure what his opinion is, but Chantel is pretty knowledgeable about that, advising facilities.

DARREL FISHER: So those sites who are
interested in participating should contact
Check-Cap. Facilities with specific questions on
the radiation aspects, health physics, radiation

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1 protection, may contact me at any time and will 2 facilitate response to questions and provide 3 technical support to whatever degree is requested? 4 JAMES FUTCH: Darrel, so this, this is a public 5 meeting in Florida, so the minutes of this will 6 eventually appear on our website, along with the 7 agenda, and the, and the presentation, itself. 8 Do you have -- do you want to send us the 9 contact information that you would like, like to be 10 posted there or --DARREL FISHER: Yes. I will send that directly 11 12 to you. 13 JAMES FUTCH: Okay. 14 RANDY SCHENKMAN: Okay. Well, if no one else 15 has any comments on either side, again, we thank you 16 and the presentation is over. 17 JAMES FUTCH: Thank you guys. We much 18 appreciate it. 19 YOAV KIMCHY: Thank you. 20 (Applause) 21 JAMES FUTCH: We're going to sign off, I think, and move on to other stuff. 22 23 ISRAEL HERSHKO: Bye, bye. 24 JAMES FUTCH: Take care. 25 RANDY SCHENKMAN: Well, that was very

1 interesting.

2 JAMES FUTCH: I have to breathe a huge sigh of 3 relief. Thank you, God. Thank you, Rob. I think 4 that worked pretty well. 5 WILLIAM ATHERTON: Where were they? 6 JAMES FUTCH: Darrel is in Washington State and 7 Yoav and Israel are actually in Israel. Tel Aviv, I And then we had Joe pulled the rabbit out of 8 think. 9 the hat from 50 years ago going to school with 10 Darrel. What are the chances of that? 11 WILLIAM ATHERTON: Fifty years ago? 12 That's really funny. RANDY SCHENKMAN: JAMES FUTCH: Really small world. That's 13 14 incredible. 15 Okay. Well, first of all, I RANDY SCHENKMAN: would like to welcome Dontavia, is that it? 16 17 DONTAVIA WILSON: Dontavia. 18 JAMES FUTCH: If I might jump in for a second. 19 We have menus for lunch, which is a half hour or so 20 away. And what do you want to do, Brenda? 21 BRENDA ANDREWS: Yes. If you would write your 22 name on the menu and circle what you would like to 23 order and pass those back in to me, I'm going to 24 take them over so they will have our lunches 25 prepared when we get there.

1

(Stood at Ease)

JAMES FUTCH: I have one question before we move on while Brenda is -- to Dontavia. By the way, thank you for MQA. The first MQA person from the new crew.

6 What did you not want to say before the 7 Check-Cap crew? What were you thinking, because 8 we're putting it in the notes now.

9 CHANTEL CORBETT: I mean, the biggest question 10 going in, what they answered, is it going to be the 11 licensee's responsibility to track these down if 12 they don't come back to the manufacturer. So 13 assuming that the Florida regs are going to approve 14 the same as the NRC, that would be a no, but Florida 15 regs and NRC don't always agree, so --

16 WILLIAM ATHERTON: It didn't seem that much 17 more simple than a colonoscopy to me.

18 CHANTEL CORBETT: It's the lack of sedation, 19 it's the --

20 NICHOLAS PLAXTON: Much prep. It's a huge 21 difference.

22 KATHLEEN DROTAR: The prep.

23 WILLIAM ATHERTON: You still have to swallow24 and put those things on your back.

25 NICHOLAS PLAXTON: Screening. I agree the

1 screening of the poop is --

2 REBECCA McFADDEN: The preop showed you have to 3 drink the capsule with the iodinated contrast drink, 4 so you're still drinking like a --5 KATHLEEN DROTAR: No, it was one tablespoon of 6 iodinated for the first three or four days. 7 CHANTEL CORBETT: Yeah. 8 ADAM WEAVER: Just iodinated fluid once a day. 9 REBECCA McFADDEN: It wasn't like a 10 gastrograph, something nasty to drink. 11 CLARK ELDREDGE: They said it was a teaspoon, 12 tablespoon. 13 CHANTEL CORBETT: Tablespoon. 14 RANDY SCHENKMAN: And it was something 15 before --16 CLARK ELDREDGE: It was several days before you 17 start taking --18 NICHOLAS PLAXTON: Sedation, and then there's 19 complications from a colonoscopy. You can get a 20 perforation, so there's a lot of risk involved. 21 To me, I'm like, if they're not reusing the 22 capsules why not just let them go away because they 23 have the data on the backpack thing and, like, just 24 flush them all away and not retrieve them. 25 REBECCA McFADDEN: But it may be the thing in

1 the capsules.

2 ADAM WEAVER: I bet you they reuse the 3 detectors. I bet you they reuse some of them --4 NICHOLAS PLAXTON: Some of the insides. That's 5 what I'm thinking. ADAM WEAVER: Some of the insides. It's an 6 7 expensive detector. 8 REBECCA McFADDEN: I think he answered you 9 like, oh, no, they're not reusable. They want it 10 back. 11 NICHOLAS PLAXTON: Yeah, I think so. I bet you 12 they do, especially the thing with the person dying 13 that was kind of like --CHANTEL CORBETT: That doesn't surprise me, 14 15 though. 16 KATHLEEN DROTAR: No. 17 ADAM WEAVER: Any kind of medical device is cut 18 out before --19 KATHLEEN DROTAR: Yeah. 20 NICHOLAS PLAXTON: I would just leave it in 21 there. 22 CHANTEL CORBETT: Right, yeah, that's pretty 23 typical. 24 NICHOLAS PLAXTON: Not really. 25 ADAM WEAVER: Only if you're cremated.

1 CLARK ELDREDGE: The issue there, if the person 2 is being buried, it's like that's one thing. If 3 they're being cremated and they're grinding it up --4 ADAM WEAVER: Like hips. 5 CHANTEL CORBETT: Yeah. I mean you don't know 6 and that's the other thing, I mean --7 NICHOLAS PLAXTON: Hip replacements. They take 8 out the --9 KATHLEEN DROTAR: Outside the VA they do. 10 JAMES FUTCH: You guys, one at a time. One at 11 a time. 12 They know when you take KATHLEEN DROTAR: 13 things out. 14 NICHOLAS PLAXTON: No way. I quess a lot of 15 people aren't buried anymore. 16 ADAM WEAVER: They do because it messes up 17 their machine. Their equipment. 18 CHANTEL CORBETT: Talking about taking out knee 19 replacements now. 20 NICHOLAS PLAXTON: It messes up their --ADAM WEAVER: Not necessarily, I guess. Also 21 22 probably religion may come into play, too. Certain 23 religions. 24 NICHOLAS PLAXTON: Yeah. 25 JAMES FUTCH: He didn't want to say how

1 expensive the device was.

2 NICHOLAS PLAXTON: I'm sure they're expensive.
3 ADAM WEAVER: We didn't have a need to know
4 that.

5 CHANTEL CORBETT: That's because, well, usually 6 in trial, though, it's different than what they end 7 up being, too.

8 NICHOLAS PLAXTON: Sure.

9 CLARK ELDREDGE: And that's basically

10 proprietary business.

11 CHANTEL CORBETT: Right.

JAMES FUTCH: I mean, you know, if it cost \$10,000 per capsule or something.

14 WILLIAM ATHERTON: They may not want people to 15 know the design of a capsule, either. That's why 16 they want to retrieve every single capsule. They 17 don't want people to dissect it.

18 NICHOLAS PLAXTON: I don't know who's going19 after that thing, digging through the sewers.

20 REBECCA McFADDEN: Someone is cracking it open.
21 They want to see what's inside. It happens.

22 NICHOLAS PLAXTON: Yeah.

23 RANDY SCHENKMAN: And what were they saying
24 about the interpretation? It has to be interpreted
25 by --

1 CHANTEL CORBETT: Well, they have people who 2 are interpreting the data there. 3 NICHOLAS PLAXTON: Yeah, analysts, which are 4 non-medical. 5 ADAM WEAVER: A few people in the states. CHANTEL CORBETT: Which is fine. 6 7 NICHOLAS PLAXTON: Probably. 8 RANDY SCHENKMAN: And then they send the 9 interpretation --10 CHANTEL CORBETT: Back to the facility. 11 NICHOLAS PLAXTON: Actually, only the ones that 12 are positive are being then screened, overread by a doctor is what it sounds like. But it's only 13 14 doctors that have -- are in the study. Not the 15 authorized user. CHANTEL CORBETT: Well, you would have to have 16 17 a read, though. It's the same as giving a therapy capsule and a patient walking out nowadays. I mean, 18 19 you know, you still have to read that as an 20 administration. 21 NICHOLAS PLAXTON: I agree, that that probably, 22 if it becomes, like, a thing. 23 CHANTEL CORBETT: A thing. 24 NICHOLAS PLAXTON: Yeah, I agree, that's 25 probably how it would have to be.

1 ADAM WEAVER: It sounds like they have a 2 computer AI looking at it first. 3 JAMES FUTCH: Clark can see that. 4 NICHOLAS PLAXTON: They will eventually. 5 REBECCA McFADDEN: That's what they said. And 6 then someone looks at that and then it goes to the 7 doctor. 8 ADAM WEAVER: It converts that raw data into a 9 nice picture. 10 CHANTEL CORBETT: Right. 11 NICHOLAS PLAXTON: Yeah. 12 KATHLEEN DROTAR: And they were saying, too, 13 that it's gastroenterologists that are doing that, 14 so, under licensing. 15 CHANTEL CORBETT: No, no, no, that's what I'm saying. It's the same kind of thing. You can have 16 17 a cardiologist read a study and you can have a 18 gastroenterologist read a study, but as long as 19 they're overread by an AU. 20 KATHLEEN DROTAR: Yeah. I wish that they were 21 giving the patient the capsule by a 22 gastroenterologist is what I heard. 23 ADAM WEAVER: Yeah, but there's not many GIs 24 listed as authorized users. It's not a common part 25 of their practice.

1 KATHLEEN DROTAR: Yeah. Well, that would be --2 CHANTEL CORBETT: Not usually. 3 ADAM WEAVER: It's not a common part of their 4 practice. 5 NICHOLAS PLAXTON: I mean, they could. There's 6 nothing that prevents them, but --7 CHANTEL CORBETT: Right. 8 ADAM WEAVER: Maybe if they were associated 9 with a hospital. 10 KATHLEEN DROTAR: Yeah, that's what I was 11 thinking. 12 JAMES FUTCH: So Dr. Fisher has provided his contact information for facilities or the general 13 14 public. 15 CHARLES HAMILTON: By the way, what Chantel 16 said, though, at least one authorized user on the 17 license has to make an interpretation for every 18 diagnostic study. 19 KATHLEEN DROTAR: Right. 20 CHANTEL CORBETT: Right. 21 CHARLES HAMILTON: But so can everybody else in the world. 22 23 ADAM WEAVER: Yeah. And they can do it after, 24 after the fact. After the -- they have looked at it 25 first.

1 CHANTEL CORBETT: Right. 2 ADAM WEAVER: Then it comes down to the 3 authorized user in Florida. He or she can look at 4 it and say --5 CHANTEL CORBETT: Right. ADAM WEAVER: -- I agree, I don't agree. 6 7 Whatever. 8 CHANTEL CORBETT: Right. See above. Here's my 9 signature. 10 ADAM WEAVER: Yeah. What can I charge. 11 CHANTEL CORBETT: Right. 12 CLARK ELDREDGE: I have a question. What part of the analysis is the practice of medicine, which 13 14 means it has to be an MD, you know, OD that's -- or 15 DO, I mean, that's doing the interpretation or 16 signing off on it. 17 CHANTEL CORBETT: I don't know any AUs that are 18 not already. 19 CLARK ELDREDGE: Right. But I'm saying even 20 the pre-stuff. 21 CHANTEL CORBETT: That I know of. Maybe there 22 are. 23 ADAM WEAVER: Right. CLARK ELDREDGE: I know the PA is the final 24 25 signature that covers it.

NICHOLAS PLAXTON: Yeah. I mean, there should
 be someone, there should be, some doctor should be
 overreading this.

4 CHANTEL CORBETT: Yeah. 5 NICHOLAS PLAXTON: Which it sounds like they're 6 doing now, but I think there's four doctors. 7 CHANTEL CORBETT: Right. And I mean, in other states, the authorized users are not on licenses. I 8 9 mean, they don't have to be to read studies. I 10 mean, it is different depending on the states, so --11 NICHOLAS PLAXTON: Mm-hmm. 12 ADAM WEAVER: It comes down to cost. Is it a lot less. 13 14 WILLIAM ATHERTON: Some people don't want to 15 qo --16 CHANTEL CORBETT: And is it going to be 17 covered. 18 WILLIAM ATHERTON: Some people don't want to 19 go. 20 That is true. ADAM WEAVER: 21 CHANTEL CORBETT: That's going to be really 22 what it really comes down to, because a lot of 23 people aren't going to be cash pay to avoid it. 24 NICHOLAS PLAXTON: It would be interesting to

25 know, like, how many people don't screen for

1 colonoscopies. I'm sure it's pretty high. 2 CHANTEL CORBETT: I mean, what is the box thing 3 that, you know, they're sending out nowadays. Ι 4 mean, that's pretty popular it seems like. 5 JOSEPH DANEK: Yeah, that's true. NICHOLAS PLAXTON: What is the box? What box? 6 7 CHANTEL CORBETT: The colon --8 ADAM WEAVER: Analyzing your sample. 9 CHANTEL CORBETT: You send in your sample. 10 NICHOLAS PLAXTON: Like the blood? 11 ADAM WEAVER: Your sample. 12 RANDY SCHENKMAN: You send in the stool. 13 NICHOLAS PLAXTON: The whole stool? 14 JOSEPH DANEK: You send it in and they check 15 the blood. 16 KATHLEEN DROTAR: Yeah. A little sample. 17 CHANTEL CORBETT: Yeah, I don't remember the 18 name of it. It's on T.V. 19 KATHLEEN DROTAR: I can't, either. I just see 20 the little blue and white box. 21 JOSEPH DANEK: It's on T.V. 22 CLARK ELDREDGE: Coloquard. 23 RANDY SCHENKMAN: Coloquard, that's right. 24 KATHLEEN DROTAR: Yeah, Coloquard. 25 CHANTEL CORBETT: Coloquard, right. They send

you a kit, you collect your stool, you send it back,
 they do the analysis, and they say, oh, you're high
 probability, low probability.

NICHOLAS PLAXTON: I mean, yeah, it's a fancy
version of the guaiac card, where you just swipe it.
CHANTEL CORBETT: Yeah.

7 NICHOLAS PLAXTON: I mean, the problem with 8 that is usually, if you're getting blood in your 9 stool, you're already further along. You already 10 have cancer.

11 RANDY SCHENKMAN: Right. This is looking 12 for --

13 CHANTEL CORBETT: I mean --

14 RANDY SCHENKMAN: -- earlier than that.

15 CHANTEL CORBETT: But I mean, like, primary 16 physicians are using that now, though, for the 17 initial screening. Like, at 50. Even if they're 18 not having issues.

19 NICHOLAS PLAXTON: Well, that's what I'm
20 saying. But that means that a lot of people must be
21 refusing to get colonoscopies is what I'm saying.
22 Because colonoscopy is definitely the best.

23 CHANTEL CORBETT: It's the gold standard. But24 it's expensive and it's a procedure.

25 NICHOLAS PLAXTON: Yeah, and it takes time.

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1 There's risk of the.

2 ADAM WEAVER: It's also -- yeah, money plays 3 into it.

4 CHANTEL CORBETT: Yeah.

5 ADAM WEAVER: That other test is very 6 reasonable.

JOSEPH DANEK: Some people don't want to get
knocked out. Are afraid to get knocked out.

9 CHANTEL CORBETT: Yeah.

10 RANDY SCHENKMAN: And this finds it earlier.
11 NICHOLAS PLAXTON: Yeah. This is definitely
12 way earlier.

13 RANDY SCHENKMAN: This is finding the polyps14 rather than the cancer.

15 KATHLEEN DROTAR: Insurance pays for one every16 ten years.

17 CHANTEL CORBETT: Right.

18 NICHOLAS PLAXTON: Yeah, it definitely has a19 benefit, that's for sure.

20 KATHLEEN DROTAR: Well, colonoscopies, the 21 insurance reimbursement is one every ten years, so 22 if this is in between they're checking for polyps.

23 NICHOLAS PLAXTON: Yeah.

24 KATHLEEN DROTAR: Because that's not going to25 show on Cologuard, I don't think.

1

6

NICHOLAS PLAXTON: Nope.

2 KATHLEEN DROTAR: Pros and cons. Sounds like3 medicine.

4 CHANTEL CORBETT: Right. Yep. Always fun the 5 discussions we have.

NICHOLAS PLAXTON: Yeah.

RANDY SCHENKMAN: Okay. Now we're going to
move on. First we're going to welcome Dontavia
Wilson. She is going to go over the Medical Quality
Assurance update and we just want to thank you and
welcome you.

DONTAVIA WILSON: Thank you. Thank you for having me. It is definitely a pleasure to actually be here and to see each of you.

15 To kind of get started with the few things that 16 I would like to provide you all, within our office, 17 we have, we have about three processors that process 18 all of our radiology technologists' applications, 19 okay? We have experienced, well, and I feel like, 20 honestly, MQA has experienced a lot of vacancies 21 within each office. I kind of feel like that's a 22 worldwide thing. But we have actually filled every 23 position.

Everyone is -- or the newest ones that we have,
they are being trained. So our -- the increase

within our workload has definitely, you know, it's picked up. Our applications have been processed and we're on an average -- applications are being processed within an average of no more than two days initially.

The number of applications that we've received 6 7 and processed since the last annual Council meeting is a total of 2,578 applications. For -- more so 8 9 the fiscal year is what the data provided me with. 10 With the number of licensed or licenses that were 11 issued for that time span, for radiology 12 technologists, were 1,797 applications -- or, yes, 13 applications. For radiologist assistants, they were 14 only five. However, with the applications received, 15 we have a lot of open applications because the 16 applicants are deficient.

17 One of the most common deficiencies that we 18 have when trying to approve or make someone eligible 19 to sit for the exam for ARRT, is the -- a photo I.D. 20 But for the most common deficiency when trying 21 to issue a temporary license, would be the photo

I.D. The difference is, if an applicant applies,like Zam, to the department first, then to ARRT, the

24 department will receive the exam results

25 automatically, right? However, if the applicant

registers with ARRT first, then applies with the
 department, the applicant actually has to submit
 those exam results to us. So that kind of, I feel
 like, it puts a little delay within processing.

5 And then also, with the endorsement 6 applications, if an applicant applies by 7 endorsement, that means they have already submitted their registration to, or they've already registered 8 9 for the ARRT and they've already tested, a lot of 10 times it -- they submit an application by 11 endorsement, either they haven't tested and it just 12 kind of, you know, put that delay out there.

13 So I would say if, you know, you come across 14 students or anyone that is trying to apply for a 15 radiology technologist application, that they would 16 need to submit, I would prefer, or the office would 17 prefer if they would -- if they're trying to sit for 18 the exam, to submit the application to the 19 department first and then register with ARRT. То 20 kind of -- because once we go in to process the list 21 that we receive, then we can actually sync the 22 information, versus to having to sit and actually 23 wait on the applicant to, you know, send in all of 24 their documentation, okay?

25 KATHLEEN DROTAR: Actually, there's a problem

1 with that. If the, if the graduate or student 2 submits to Florida first before applying for the 3 ARRT, then their certification is only for Florida. 4 It doesn't pertain to the national exam. 5 DONTAVIA WILSON: I didn't quite hear that. 6 JAMES FUTCH: Would you share the mike? 7 KATHLEEN DROTAR: Oh, I'm sorry. When a 8 graduate or student -- I'm a program director. 9 RANDY SCHENKMAN: It's not on. 10 KATHLEEN DROTAR: Not on. Oh, there we go. 11 ADAM WEAVER: He had to turn it on. 12 That's okay. Now we're going to JAMES FUTCH: 13 compete with the lawn crew outside. 14 KATHLEEN DROTAR: So I had a student that did 15 that at one time and she applied to the State --16 actually, the application got to the State before 17 the one got to ARRT. 18 DONTAVIA WILSON: Okay. 19 And she was only licensed in KATHLEEN DROTAR: 20 the State of Florida. So if the students don't 21 apply to ARRT first, then, then they're not going to 22 have a national certification, which is the whole 23 object of ARRT. 24 CHANTEL CORBETT: ARRT is going to issue the

25 certification regardless.

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KATHLEEN DROTAR: No. She had to retake the
 exam because she's only in Florida.

JAMES FUTCH: Same exact test. ARRT will not recognize passage for Florida as acceptable for endorsement in the ARRT. They'll make them take the test again. This is, so -- let me back up.

7 CHANTEL CORBETT: Are they selecting a8 different option on the ARRT testing site?

9 JAMES FUTCH: No.

10 KATHLEEN DROTAR: No.

11 JAMES FUTCH: That's an ARRT thing. They don't accept -- so let me back up for just a second. 12 So Dontavia works in the Division of Medical Quality 13 14 Assurance, which is a sister division to the one 15 we're here in, Bureau of Radiation Control, so we're 16 both Department of Health employees. And Dontavia 17 is on the half that is dealing with the applications on the incoming side for, you know, whatever 18 19 endorsement or for exam for Rad Techs, radiologist 20 assistants, as well as EMTs, paramedics, mental 21 health. I've forgotten --22 DONTAVIA WILSON: I have eight different 23 professions.

24 CHANTEL CORBETT: Nuclear profession.

25 JAMES FUTCH: There's a lot of different

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1 things. So the issue, we've been wrestling with this for a number of years, all of us from all three 2 3 sides, about the optimal way to do this. 4 Here are the constraining factors. When they 5 apply to the State of Florida, when Kathy's 6 applicants apply to the State of Florida, they will 7 also be applying to ARRT. And they will -- wow, 8 suddenly my mike became much more powerful. Thank 9 you, Rob. I'll lean closer. 10 So if they do that, ARRT will not let them take 11 the test for both purposes, so --12 CHANTEL CORBETT: Did that change? 13 KATHLEEN DROTAR: No. 14 JAMES FUTCH: Could be. ARRT has undergone a 15 lot of changes over the years. 16 CHANTEL CORBETT: It's been twenty years since I took mine. 17 18 JAMES FUTCH: So let's say the application gets 19 processed through Florida first. And then it goes 20 to ARRT and the ARRT application gets there, you 21 know, secondarily. There's a spot where ARRT will 22 ask them a choice. If you would like this to count 23 for the ARRT, check here, and it will count for the 24 If you would like this to count for the State ARRT. 25 of Florida, check here, and it will count for the

1 State of Florida. There's no let it count for both. 2 CHANTEL CORBETT: So they need to have it They need to count it for the ARRT. 3 checked. 4 JAMES FUTCH: Because that's what they care 5 about the most. CHANTEL CORBETT: Well, yeah, because that way 6 7 it would be national regardless of how it --8 JAMES FUTCH: If you do it the other way, 9 you're going to take the test twice. 10 CHANTEL CORBETT: Right, which is retarded. 11 JAMES FUTCH: We will accept their results and 12 their registration certification for endorsement in 13 Florida. ARRT will not accept any state, not just 14 Florida, that uses their test, who passes -- whose 15 applicant passes by the same passing score, 16 administered in the same testing center, by the same 17 personnel, under the same procedures that they use, 18 because it's their process. 19 CHANTEL CORBETT: Right. But what I'm saying 20 is, if they select the one that says use for ARRT, 21 the State of Florida accepts that. So there's no 22 reason to select the one that says use for Florida. 23 JAMES FUTCH: We do accept it -- we do accept 24 it, but we don't actually always get the result back 25 from ARRT.

DONTAVIA WILSON: That's where the applicant
 would actually have to send us, which --

3 CHANTEL CORBETT: Well, I mean, it sounds like 4 that's going to be the way it's going to have to be. 5 JAMES FUTCH: We get something back. 6 Eventually, the applicant will sell us either the 7 scores or send us the actual license from ARRT. But that's another little hurdle, little bump in the 8 9 process. They filled out an application for this 10 purpose.

CHANTEL CORBETT: Right.

11

JAMES FUTCH: Signed the whole thing that says, I want to do this, you know, by exam, so forth and so on. Now they've got a license. They want to come in by endorsement.

16 CHANTEL CORBETT: So basically, they just need 17 to skip the exam part and do it by endorsement and 18 just --

19 KATHLEEN DROTAR: No, that doesn't happen,20 either.

JAMES FUTCH: So, so as to what is the best, you'll probably get three different answers for what is the best. If your goal is to start work immediately upon your date of graduation, I think that's the driving force behind the students

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1 applying to, to us at all because then they get a 2 temporary license. And those facilities that will 3 let them work on a temporary license, they can go to 4 work on a temporary license. If it wasn't for that 5 tiny little factor, I think it would probably be 6 best for all concerned to just apply straight to 7 ARRT, get that; apply to us by endorsement. 8 CHANTEL CORBETT: Right. These days, aren't 9 the results immediate or no? 10 KATHLEEN DROTAR: Not working. So -- and I'm 11 glad you're here. 12 JAMES FUTCH: You guys need to have a chat at lunch. 13 14 DONTAVIA WILSON: Yes. I'm going to give you 15 my business card as well.

16 JAMES FUTCH: Extensive discussion at 17 lunchtime.

18 KATHLEEN DROTAR: I would let you finish. You19 were going to present and then we can talk.

20 DONTAVIA WILSON: I didn't have much. That was 21 more so the main thing of, you know, what I want to 22 kind of talk about as far as what, the temporary 23 license being issued or, and how the applicants 24 apply from or for exam versus to endorsement.

25 KATHLEEN DROTAR: Yeah, because we've always

1 sent that verification letter to show the -- to show
2 that they completed the educational component. And
3 in December, my students applied for temporary
4 license; waited two months for a license and it's
5 been, you know, this is -- we've been sort of trying
6 to work this out.

7 And then students -- so this time, we said, okay. Wait until you get your ARRT back and then 8 9 apply. Also, a couple of the students that --10 graduates at that time, that applied for that 11 temporary, when they went to change and sent their ARRT results in to get it changed to permanent, 12 13 because the temporary hadn't been issued, they were 14 charged another \$45 to apply for that after having 15 paid \$50 for their -- for the temporary license. Yeah. And we also had a student in West Palm who 16 17 was told when they called DOH, that the temporary 18 license was no longer being issued.

19 DONTAVIA WILSON: No, the temporary licenses 20 are still being issued. It is actually a part of 21 the eligibility approval letter for the exam. Like 22 I said, the only issue that I've been made aware of 23 is more so of having the I.D. match or the I.D. 24 match what they have submitted for ARRT. It doesn't 25 So then an issue occurs, and we're like, um, match.

can you actually send this or send a copy in to us
 so that, you know, we can actually, you know, get it
 over to ARRT.

4 KATHLEEN DROTAR: Yeah. So I think maybe I
5 could help you with that.

6 DONTAVIA WILSON: Yes. Let's work together. 7 JAMES FUTCH: I think it's an excellent idea if 8 you --

9 DONTAVIA WILSON: Let's work together.

10 RANDY SCHENKMAN: Coordinate here.

11 JAMES FUTCH: Specifically you two.

12 DONTAVIA WILSON: Yes.

JAMES FUTCH: With specifics, even if you don't 13 14 have them today, for all those things you mentioned. 15 What I have seen -- We have a single Department of 16 Health, depending if you count the number of 17 employees, 15,000 or so, something like that. And 18 MQA is in the same building, floor above us, but 19 there's a lot of moving parts. Kind of like this 20 meeting. And you mentioned, one of the things they 21 applied by exam and they paid \$50 and it's \$45 for 22 endorsement. And for some reason, somebody told 23 them they had to pay again.

24Typically, what happens is, Dontavia's staff25actually have to go in, find the money that was used

for the exam process, like \$50, and then using that new application, or at least the new page that says yes, I want to apply by endorsement, transfer it --DONTAVIA WILSON: Yep.

JAMES FUTCH: -- in the very complicated system they use to apply it to this new application. You can tell this doesn't sound like a process they want to go to too many times. Obviously, your person obviously got the wrong information from whatever staff person gave it to them. They shouldn't be allowed to do that.

12 Two people I know. KATHLEEN DROTAR: And also on the application, itself, it says that -- where is 13 14 When you're applying by endorsement, that then it? 15 you have to -- then you go and apply for the, for the -- to the ARRT and apply for the exam. 16 And 17 that's sort of -- yeah. There's, there's a few 18 things, so I appreciate you being here. 19 DONTAVIA WILSON: Let's --20 JAMES FUTCH: I'm glad we're all here. 21 KATHLEEN DROTAR: We can talk later. 22 CHANTEL CORBETT: I think the only weird thing 23 I had, I had somebody call and try to get hired as a 24 CT tech that had their provisional window for ARRT, 25 because they give a three-year window that they have

to take their exam. And they were under the
 impression that they could work during that time.
 JAMES FUTCH: Yeah.

4 CHANTEL CORBETT: Yeah. And they'd actually 5 been tentatively hired and then that person called 6 me and said, um, HR said this is going on but I 7 don't think this is right. So we caught it in time, 8 but it was --

9 JAMES FUTCH: We have a -- in addition to that, 10 there's a great deal of confusion that we've seen 11 over the years about ARRT and us because we use the 12 ARRT's exam. We use their testing process. People 13 will send things to us and they'll call us ARRT. I 14 don't, I don't know what to do with some of that, 15 but, yes. 16 DONTAVIA WILSON: I'm sorry. 17 JAMES FUTCH: I very much wish ARRT will 18 consider our exams be eligible for endorsement for 19 That would help a lot, but they don't. ARRT. 20 That's it? Okay. RANDY SCHENKMAN: DONTAVIA WILSON: 21 That's all I have. 22 RANDY SCHENKMAN: Charlie, do you have anything

23 to add here on radioactive materials update?

24 CHARLES HAMILTON: Oh, yeah.

25 RANDY SCHENKMAN: Okay.

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CHARLES HAMILTON: Do you have the slides?
 JAMES FUTCH: You got ten minutes.
 CHARLES HAMILTON: Okay. I can do it in five.
 JAMES FUTCH: We'll have to finish with
 Charlie.

6 CHARLES HAMILTON: Good morning. I'm Charles 7 Hamilton. I'm here representing the material 8 section for licensing in the absence of our fearless 9 leader Kevin Kunder.

10 A couple things on personnel. We have, 11 currently we have three license evaluators and we'll 12 show you on the numbers, we're doing about 200 licensing actions a year. We're advertising. 13 14 Finally got a candidate for a vacant evaluator 15 position, which has been vacant since August. So 16 we've been having a hard time getting qualified 17 applicants to apply and then get them to agree to 18 work and not telework for the salary that we offer.

19 So the number of licenses, we currently have 20 1532. You'll see on there, 648 of those are 5Cs, 21 which are outpatient medical facilities. Some, 22 what, 172 hospitals. So 70 percent of our licenses are all Category 5 medical licenses. 23 That also 24 accounts for 70 percent of the workload, which I say 25 we do about 200 licensing actions per month. Ιt

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comes out to about right around 2,000 per year.

1

2 The top industrial license category we have is, 3 of course, portable gauges, which are the most 4 likely to be stolen. And then, what is it, scroll 5 up real quick. A little bit more. So, okay. So 6 3B, that's nuclear pharmacies. We've got 34 of 7 those and 18 industrial radiographers. So that fluctuates a little bit. But, of course, the 8 9 growing one, the most growing one is either mobile 10 nuclear medicine or outpatient standalone medical 11 facilities.

And as we discussed before, we do have, we do have -- you have to be a broad scope medical to do the Cap Tech for the clinical trials if it's not FDA approved yet. We currently have five broad scope medicals, of which one, Mayo Clinic, is now performing clinical trials until approximately June or December of 2023 or until the FDA approves it.

So you've got the information, contact
information if you wanted to contact to pursue the
clinical trials for the Cap Tech system.

And lastly, I wanted to talk about an upcomingNRC comment.

24 JAMES FUTCH: You're going to probably have 25 lots to discuss.

1 CHARLES HAMILTON: -- comments for rule making. 2 It's regarding extrasuvasions (ph). So 3 historically, NRC has not required the reporting of 4 a medical event for anything that has to do with 5 extrasuvasions (ph). But there's been --JAMES FUTCH: This is the STC one. 6 7 RANDY SCHENKMAN: Extravasations. 8 CHARLES HAMILTON: Right. So they're now 9 considering it. And again, 8-24 is for public 10 comment about what they may or may not do in 11 relations to the rule change. 12 So currently, again, anything to do with extrasuvations does not, will not constitute a 13 14 medical event. But there's a potential with -- if 15 the rule, the rule changes go through, they're going to define what extrasuvations are. What's the 16 17 definition -- highlight the definitions. 18 JAMES FUTCH: Do you want me to show it? 19 RANDY SCHENKMAN: In medicine, we call it 20 extravasations. CHARLES HAMILTON: Thank you. 21 That's how, that's how it --22 RANDY SCHENKMAN: 23 Extravasation. 24 CHARLES HAMILTON: Extravasation. Okay. 25 JAMES FUTCH: Let me jump in. There's a lot of

1 documents about this. The, the NRC has this meeting 2 that Charlie is talking about that's taking place 3 next week about the rule making. There is an STC 4 that went out to all the states, which is what I was 5 showing a second ago, that has a summary of the 6 history that's happened with this. The -- this 7 started a little while ago. There's a particular 8 device from a particular company --

CHANTEL CORBETT: That benefits.

9

JAMES FUTCH: -- that Charlie is talking about. This is actually the slides from the public meeting that's going to take place on May 24th of next week. And they're looking for, you want to go back to what you were talking about?

15 CHARLES HAMILTON: Yeah. I'm going to just --16 JAMES FUTCH: So the rule language is in here. 17 Let me just scoot down to it. So this is what you'd 18 see if you actually dialed into this thing next 19 week. This lady, Irene Wu, is going to be on. 20 She's going give you some history.

21 And here's the public rule making petition. 22 And then, Mr. DiMarco is going to get on and talk 23 about what the rule language is, which is going to 24 show up here in red in just a second. Is the 25 proposed ruling which -- so these are the newer

1 revised definitions.

CHANTEL CORBETT: So there's no quantification
that I've seen on this, right? So it doesn't say if
there's a certain percentage or certain, you know.
JAMES FUTCH: No. Not that.
CHANTEL CORBETT: There's no way. It just says
leakage.
JAMES FUTCH: Nothing we have seen anywhere in

9 these docs.

10 NICHOLAS PLAXTON: Crazy.

11 JAMES FUTCH: We get the impression that 12 there's a, there's a company that had a device that's used to measure the amount of extravasation 13 14 near the injection site and other places. And 15 they've made some headway with that in, in a certain There's been a letter from some 16 state. 17 Congressional members to NRC suggesting they need to 18 do something to revisit this issue, which is the 19 driving force, I think, behind the rule making. And 20 this is what staff, based upon their advisory 21 committee on medical use of isotopes, has, has given 22 them guidance and this is the product of that. 23 But Chantel, you're right. There -- I haven't 24 seen anything in here that specifies, well, 25 quantitatively, what is the suspected radiation

1 injury? What is the level --

2 CHANTEL CORBETT: Right. To my knowledge, 3 nothing we inject in nuclear medicine is going to 4 fall into that last category as a diagnostic. 5 ADAM WEAVER: Yeah, diagnostic. 6 CHANTEL CORBETT: I mean, therapy is a 7 different story, but it's not specifically saying therapy. It's saying all injections. 8 9 JAMES FUTCH: Right. 10 NICHOLAS PLAXTON: Yeah. JAMES FUTCH: I believe, if you follow through 11 12 with this, there's a whole bunch of questions that 13 they have. 14 CHANTEL CORBETT: Is conflict of interest one 15 of them, because I mean --16 ADAM WEAVER: Who submitted the request? 17 CHANTEL CORBETT: Right. The request was submitted by the device manufacturer to change this. 18 19 It's just beneficial to them. 20 JAMES FUTCH: There is a part of this that 21 appears to allow for, at least some aspects of, of the parties involved would like to allow for the 22 23 use, of course, not just this company's device, but 24 also the facility's existing equipment and their 25 existing radiation staff to monitor and whenever

1 they hit that level, whatever that level will be, 2 then declare that to be a medical event. 3 NICHOLAS PLAXTON: But that's not going to 4 happen with imaging. You're never going to get to 5 that level. You can blow the whole -- you can 6 inject the entire thing into the muscle and not even 7 hit the vein. You're not going to have a medical 8 event. 9 JAMES FUTCH: Let me show you -- so everything 10 you see on here is conceivable. Doggone it. Hold 11 on. 12 You'll have a wasted exam. NICHOLAS PLAXTON: 13 ADAM WEAVER: You won't get your image. 14 NICHOLAS PLAXTON: You just won't get your 15 image and you'll have to repeat it. 16 CHANTEL CORBETT: Right. That's what I was 17 saying. If your definition is like, an extravasated 18 dose, period, any bit of it, that's a whole 19 different animal. 20 JAMES FUTCH: Anyway, we collected a large 21 number of documents for this. What Kevin, I think, 22 wants is just to make sure the Council's aware this

23 meeting is taking place next week so that you can, 24 you know, listen in to it. And I think he wanted us 25 to show you the questions and the rule making

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1 language right now, if we still have time. It's 12 2 o'clock. Do we take a break and come back to this? 3 Yeah, probably. 4 NICHOLAS PLAXTON: Break it. 5 JAMES FUTCH: We might be here for a little time. Since it's lunch time. 6 7 RANDY SCHENKMAN: You have a lot of stuff in 8 here, too. Extravasation events that cause 9 permanent functional damage? 10 CLARK ELDREDGE: Right. These are -- the 11 report to NRC from the ACMUI subcommittee is 12 included in your packets. And they have their options listed of how to determine how to address 13 14 what the described parameters are and the potential 15 options involved and how it could be adopted. 16 CHANTEL CORBETT: Right. 17 CLARK ELDREDGE: Right. 18 CHANTEL CORBETT: So just say opposed and be 19 done? 20 JAMES FUTCH: Before we go to lunch, let me 21 just scroll down here and show you the questions 22 because they go on for a while. 23 Just about the definitions. What term should 24 they use when describing it. What criteria should 25 they use to define suspected injury and the same

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1 thing for the methods for medical attention.

And then there's some more proposed rule language using those definitions. For any administration which extravasation can occur, must involve procedures that provide high confidence that extravasation that requires medical attention for suspected radiation injury, ding, ding, ding, the two brand-new key words --

9

CHANTEL CORBETT: Right.

JAMES FUTCH: -- will be detected and reported. So wide open, at this point, for what those are. The written procedures in (a) must address how they determines that it meets the criteria for a medical event.

15 CHANTEL CORBETT: Once they establish the 16 criteria, so --

JAMES FUTCH: Yeah. And then, of course, retain a copy of the procedures and there's something about retaining the records and the reports.

And here's more questions. What steps to take to minimize the chance -- you guys can read. What steps should the licensee take when it's discovered? What imaging technologies procedures should be used to help identify during or after the injection?

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1 So this would be where, I guess, folks would 2 step in and say, not some extra device that we have 3 to buy from wherever the heck else it comes from. 4 We have tools, if you do have tools, to do it or 5 not. 6 CHANTEL CORBETT: Yeah. 7 JAMES FUTCH: Next set of questions. RANDY SCHENKMAN: Well, in here, they have the 8 9 conclusion and recommendations. 10 JAMES FUTCH: Let me throw that up there so you 11 guys can see that. 12 Sorry. I have that in the wrong place here. 13 What page are you on? 14 RANDY SCHENKMAN: It's the last page. 15 JAMES FUTCH: Here you go. RANDY SCHENKMAN: And option four is just above 16 There it is. 17 it. The page before. 18 CHANTEL CORBETT: I mean, basically, there's 19 like, you know, there's option four, it says, like, 20 an aide is going to have to determine that it's 21 caused by radiation. Like the injury. But then it 22 says that dosimetry is not going to be required, so I'm not sure how you're going to say it's a 23 24 radiation-induced injury with no dosimetry. That 25 doesn't make any sense.

NICHOLAS PLAXTON: And again, these are
 diagnostic levels that are not going to -- there's
 no possibility --

4 CHANTEL CORBETT: I mean, technically, it could
5 be anything, though. We have a ton of therapy
6 injections now.

7 NICHOLAS PLAXTON: Yeah.

8 JAMES FUTCH: So before we started sending out 9 stuff about this and talking about it with you, how 10 high visibility did this issue have? Was anybody 11 aware of this?

NICHOLAS PLAXTON: Oh, yeah. It's gone to -well, it came out a few years ago, because
specifically, because of this company came out with
a device to measure, you know --

16 JAMES FUTCH: Right.

NICHOLAS PLAXTON: -- they used to strap it on your arm and measure this, you know, if there's been or hasn't been an extravasation. So, but the thing is, is that's not medically necessary and it's a waste of time. So it's like --

JAMES FUTCH: You're thinking for diagnostic.
NICHOLAS PLAXTON: Yeah, definitely diagnostic.
And there's very few, like, the thyroid treatment is
oral. We do Xofigo now, which is the alpha emitter,

1 so that doesn't matter.

2 CHANTEL CORBETT: You've got the Lutetium stuff 3 There's actually a liquid iodine injection now. 4 now, too. 5 NICHOLAS PLAXTON: Yeah, that's the only one 6 that you can consider. Yeah. 7 JAMES FUTCH: So was the committee aware of the 8 meeting next week? 9 NTCHOLAS PLAXTON: I'm not sure of the 10 committee, but this has been brought up at our --11 the Society of Nuclear Medicine multiple times, 12 so -- and there's, like, a resounding, you know, the 13 only people that are pushing for this are the people 14 that work for the company. 15 ADAM WEAVER: Is it into the balloon? JAMES FUTCH: So if this --16 17 CHANTEL CORBETT: I mean, to my knowledge, 18 there's no known injuries from this. 19 NICHOLAS PLAXTON: Yeah, there isn't. There's 20 not. 21 ADAM WEAVER: Yeah, for diagnostic. Even 22 therapy would be an acute injury. 23 CHANTEL CORBETT: Even therapy -- yeah, I was 24 going to say even therapy, I don't know of any. 25 NICHOLAS PLAXTON: Even if you use -- what we

1 use, I don't think would cause an injury. 2 JENNIFER PETERSON: I've seen it from therapy. 3 I had patients that actually had that. 4 Extravasation and soft tissue damage. 5 RANDY SCHENKMAN: And had what? 6 JENNIFER PETERSON: Had extravasation and soft 7 tissue damage to their arm. But it happened weeks later. It wasn't --8 9 KATHLEEN DROTAR: From what? 10 ADAM WEAVER: It wasn't, wasn't immediate. 11 NICHOLAS PLAXTON: From what? From what type 12 of --13 KATHLEEN DROTAR: From what? 14 JENNIFER PETERSON: Yttrium-90. 15 CHANTEL CORBETT: The level. ADAM WEAVER: It wasn't immediate? 16 17 KATHLEEN DROTAR: From what? 18 ADAM WEAVER: Yttrium-90. 19 NICHOLAS PLAXTON: Yttrium-90, which goes along 20 with Lutetium. 21 ADAM WEAVER: Pure beta in there. 22 NICHOLAS PLAXTON: Yeah, which those are 23 different. Those are the only two cases that would 24 even be legit for this, but they're pushing for 25 everything.

1 CHANTEL CORBETT: Right.

2 NICHOLAS PLAXTON: All diagnostic imaging and
3 then you read this little thing here.

4 CHANTEL CORBETT: But again, it's kind of like 5 the medical event definition now. You have to have 6 this, this, and, you know, 5 rem. That kind of 7 thing.

8 NICHOLAS PLAXTON: Yeah.

9 CHANTEL CORBETT: So as long as it includes 10 enough caveats that you're not ever going to meet 11 all three of them, you know, three or four of them, 12 then you're never going to have to report them. 13 NICHOLAS PLAXTON: But the idea is that --14 CHANTEL CORBETT: Ideally it won't make it 15 through anyway.

16 NICHOLAS PLAXTON: Their goal is that it 17 doesn't matter what it is, you would have to buy the 18 device and you have to measure every single dose 19 every time.

20 CHANTEL CORBETT: Right. Yeah. And you have 21 to come up with a protocol of how you're going to 22 determine this.

23 NICHOLAS PLAXTON: Which is a waste of time.
24 CHANTEL CORBETT: And then who's going to
25 determine what's okay on that list, you know.

RANDY SCHENKMAN: Well, if you look under these
 conclusions and recommendations, look at number
 four.

4 ADAM WEAVER: It's going to be dependent on the 5 radio nuclei involved.

6 CHANTEL CORBETT: No, I know. That's what I 7 was -- yeah.

8 RANDY SCHENKMAN: There's no clinical evidence 9 that patients are being harmed, either from excess 10 radiation dose or compromised diagnostic studies 11 because of radiopharmaceutical extravasation. So 12 what's the point of this?

13 CHANTEL CORBETT: Right. Yeah.

14 NICHOLAS PLAXTON: To sell their device.
15 That's all it is. And if they require it, if it
16 becomes a rule, then everyone has to use their, like
17 everyone has to us it every time.

18 CHANTEL CORBETT: Right. They're going to want19 their device to be the way to evaluate it.

20 REBECCA McFADDEN: They can to use it probably 21 for CT or is this --

22 NICHOLAS PLAXTON: It's just like a waste of23 time.

24 CHANTEL CORBETT: Oh, no. This is radio25 pharmaceuticals.

KATHLEEN DROTAR: This is radio
 pharmaceuticals.

3 RANDY SCHENKMAN: This is radio4 pharmaceuticals.

5 REBECCA McFADDEN: Oh, wow.

NICHOLAS PLAXTON: Yeah. I love this one line 6 7 that stood out to me. I don't know where they're 8 getting their data from. Where it says a review of 9 four studies of 2,613 patients, they said that the 10 nuclear pharmacist, you know, radio pharmaceutical 11 extravasations was reported as 17 percent, which, 12 you know, I'm not arguing that number. But then 13 they go to say, but however, chemotherapy and IV 14 contrast is .009 percent and .24 percent.

15 KATHLEEN DROTAR: What? There's no way.16 Somebody got their numbers reversed.

17 ALBERT TINEO: No way. No way.

18 CHANTEL CORBETT: There's no way.

19 NICHOLAS PLAXTON: No way.

20 ALBERT TINEO: Absolutely no way.

21 NICHOLAS PLAXTON: Because like the IV

22 injection is the same no matter if you're using

23 radio pharmaceutical.

24 KATHLEEN DROTAR: Right.

25 CHANTEL CORBETT: Right. Saline. Like

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1 whatever.

2	RANDY SCHENKMAN: Where did you read that from?
3	NICHOLAS PLAXTON: Saline. Whatever it is. In
4	their discussion on frequency of extravasations.
5	CHANTEL CORBETT: An earlier section.
6	NICHOLAS PLAXTON: That just it doesn't
7	matter what you're injecting, it's always going to
8	be the same. Like, you're going have the same
9	amount of, like, leakage. You can't get a perfect
10	IV stick without there's always going to be some
11	leakage. The fact that those numbers, and I love
12	the .09 percent of chemo. I mean, I want to know
13	how they're doing that.
14	KATHLEEN DROTAR: How can you compare people on
15	chemo with viable veins.
16	JOSEPH DANEK: That's pretty accurate.
17	CHANTEL CORBETT: Right. They're the worst
18	veins of the group.
19	KATHLEEN DROTAR: Yeah.
20	NICHOLAS PLAXTON: Yeah.
21	RANDY SCHENKMAN: Well, they had somebody who
22	didn't know how to put an IV in. That's all.
23	CHANTEL CORBETT: Yeah. No, what we're saying
24	is the likelihood of that being so much smaller than
25	nuclear

1 NICHOLAS PLAXTON: I'm pretty sure the only 2 reason is like, probably the chemotherapy and IV 3 contrast, there's no way to measure how much has 4 been extravasated. You know what I mean? There's 5 been no --6 CHANTEL CORBETT: Right. That's kind of why I 7 was surprised they haven't determined a 8 quantification rule on this. Like it just says, it 9 Like, you have to figure it out. is. 10 NICHOLAS PLAXTON: Yeah. You can obviously 11 measure it a lot of easier on a -- with a radiation 12 detector than you can for chemotherapy. 13 CHANTEL CORBETT: Right. 14 NICHOLAS PLAXTON: There's just no way. 15 CHANTEL CORBETT: I mean, most likely to be 16 imaging at that point because --17 JAMES FUTCH: Yeah, so I think that's 18 actually --19 ADAM WEAVER: They're going to have some 20 residual anyway. Natural leakage. 21 NICHOLAS PLAXTON: Right. 22 JAMES FUTCH: -- this report comes from the NRC 23 Advisory Council on medical use of isotopes. So I 24 think that the point of that paragraph is to point 25 out that fact, that this is not consistent with the

reported extravasations from these other types of
 use of IV and because of that, this data should be
 guestioned.

4 RANDY SCHENKMAN: Yeah. 5 NICHOLAS PLAXTON: I agree completely. 6 JAMES FUTCH: That's the point I think they're 7 making. These are similar types of injections to 8 that being performed for radio pharmaceuticals; 9 therefore, the extravasation rate should be similar. 10 NICHOLAS PLAXTON: It makes no difference. 11 RANDY SCHENKMAN: But then go down lower and it 12 says, for non-radio pharmaceuticals, the criteria for extravasation needs to be pain, swelling or 13 14 redness, okay? But --

15 JAMES FUTCH: Right.

16 RANDY SCHENKMAN: -- it says, one reason these 17 studies show higher extravasation rates for radio 18 pharmaceuticals is that the criteria to be counted 19 as extravasation in these studies, was visualized 20 increased uptake tracer at the injection site.

21 CHANTEL CORBETT: Because you can see it.22 Right.

RANDY SCHENKMAN: It does not take much
activity to be visualized on a gamma camera or PET
scanner image. So they're not even comparable.

1 They're not at all. NICHOLAS PLAXTON: 2 CHANTEL CORBETT: Yeah. No. 3 KATHLEEN DROTAR: No. It's crazy. 4 NICHOLAS PLAXTON: The only time we actually --5 the only time we've even gone into this realm is, 6 like, when we do our DAT scans for brain imaging for 7 Parkinson's Disease. And so what we do is, we're 8 imaging just the head. But it's so sensitive, if 9 you don't get all the tracer in, you have a bad 10 extravasation, then you're not going to get all the 11 radio tracer up there and you can get a false 12 positive -- or yeah, false positive. And so, we --13 on all those patients, we image the injection site, 14 just to make sure there's not this big blowout of 15 radio tracer in the arm. We're not quantifying it, 16 but we can just --

17 CHANTEL CORBETT: But you know, inpatients have 18 a cannula that says in them. So you're going to 19 have an IV that most likely has a little bit of the 20 tracer in it anyways that's going to be visualized. 21 So it's like, you're not going to pull the IV after 22 every inpatient and put a new one in so that you can 23 prove that it's not, it's not realistic.

24 NICHOLAS PLAXTON: Yeah.

25 ALBERT TINEO: It's just insane.

1 JAMES FUTCH: So the -- go back to the public 2 meeting. These questions go on and on. These 3 documents are on the NRC site. If you go and -- you 4 can go to the links that we gave, but you can just 5 go to Google NRC extravasation, May 24, and you'll 6 find the landing page where these slides are. So 7 you can go pull them down; share them with the 8 facility.

9 Again, our -- I think our interest from 10 Radiation Control is if this NRC rule making 11 proceeds over the next couple of years and is 12 adopted, then we'll, as an agreement state, have to 13 do something to be compatible with that over the 14 rule making. It will probably take us three more 15 years after that. And, you know, the time is now, I 16 quess, to make your voices heard in the community 17 about these kinds of issues that you're talking 18 about to the, to the NRC and answer these questions.

19 This is what, you've got a 90-day comment 20 period to get answers from as many folks in the 21 community about these, these many points that 22 they're, they're asking. I think it's 16 of them. 23 Oh, 14. And then this is how they want comments to 24 go in. The regular place. Commenters checklist, 25 regulations.gov or you can just e-mail them.

1 Any questions? 2 NICHOLAS PLAXTON: They're probably getting a 3 lot of hate mail. 4 CHANTEL CORBETT: As soon as they put this idea 5 out, they started getting hate mail. NICHOLAS PLAXTON: Yeah, I'm sure. 6 7 JAMES FUTCH: Yeah. Charlie, anything to add? 8 CHARLES HAMILTON: No. I was finished at 12, 9 like I was told to. 10 RANDY SCHENKMAN: You were what? 11 CHARLES HAMILTON: I was finished at 12 like 12 you told me. 13 NICHOLAS PLAXTON: He stopped at 12. 14 (Laughter). 15 RANDY SCHENKMAN: Okay. Well, I quess if we 16 are done with this -- are we done with this? Okay. 17 Lunchtime. Yeah, if anybody has comments after, 18 after lunch, we can bring it back up then. 19 JAMES FUTCH: Brenda is saying we need to be 20 back at 1:30. 21 RANDY SCHENKMAN: Okay. We have to be back at 1:30. 22 23 (Proceedings recessed at 12:11 p.m.) 24 (Proceedings resumed at 1:30 p.m.) 25 RANDY SCHENKMAN: All right. We're going to All Good Reporters, LLC 407.325.0281

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1 get started. Before we move on, does anybody have 2 any questions about this NRC, this whole thing we 3 just went through? The extravasation medical 4 events? 5 NICHOLAS PLAXTON: I strongly disagree. 6 ADAM WEAVER: Hopefully they're not successful. 7 NICHOLAS PLAXTON: Yes. RANDY SCHENKMAN: Well, I guess we all should 8 9 just send our comments in. I mean, that probably 10 would be a good idea. 11 ADAM WEAVER: As a group. 12 NICHOLAS PLAXTON: I'm positive that the 13 Society of Nuclear Medicine has probably sent 14 multiple. 15 CLARK ELDREDGE: There is a position paper out there from them. 16 17 NICHOLAS PLAXTON: Yeah. 18 CLARK ELDREDGE: The link will be posted with 19 our stuff. We just didn't think it was, third-party 20 position papers weren't necessarily what we should 21 be providing in our packets. 22 NICHOLAS PLAXTON: No. I'm sure they already 23 made a strong statement against this because this is 24 a -- yeah, I mean, it's not for the benefit of the 25 patient.

1 CHANTEL CORBETT: Right, yeah. 2 RANDY SCHENKMAN: Well, I quess all of us 3 should try to write to them and let them know. 4 Okay. Now we are going to get the report on 5 the Conference of Radiation Control Program 6 Directors, et cetera, et cetera, et cetera. 7 CLARK ELDREDGE: Actually, we're going to start 8 with the radiation machine program update. 9 RANDY SCHENKMAN: Okay. 10 CLARK ELDREDGE: And then I'll go into the Age 58 task force. 11 12 RANDY SCHENKMAN: Okay. Which you all will get, too. 13 CLARK ELDREDGE: 14 JAMES FUTCH: Do you want to put the agenda up? 15 CLARK ELDREDGE: Yeah. So, notes. Where's my 16 other notes? 17 Okay. So, section notes, radiation machine, 18 one, start kudos for one of our folks, Lisa Gabfest 19 (ph) who --20 RANDY SCHENKMAN: Do you want to put anything 21 up on the screen? 22 CLARK ELDREDGE: No. I will when I give the 23 slide presentation. For now, nothing to show until 24 we get the slide presentation. 25 RANDY SCHENKMAN: Okay.

CLARK ELDREDGE: Miss Gabfest received a 1 meritorious service award for her work on the 2 3 committee that reprised the state suggested 4 regulations on the use of particle accelerators Part 5 X from CRCPD. So that's been updated and released. 6 Last November, we issued a denial for a 7 registrant who wanted -- a law firm who was 8 requesting a registration to use an XRF to measure 9 the presence of lead in peoples' shins. 10 RANDY SCHENKMAN: What --NICHOLAS PLAXTON: What for? 11 12 CLARK ELDREDGE: Lawsuit. They actually had 13 done this in Michigan. And Michigan, during, you 14 know, following up on Flint, Michigan issue with the 15 lead in the water and so they wanted to use it in a lawsuit here in Florida. 16 17 So -- wait. I'm not -- so basically, it was 18 denied. They then filed a, all I will say is we 19 denied them for the request since it didn't sit in 20 our statutes. There's no authorization for 21 non-medical use type thing for what they were 22 saying. They filed a challenge to the denial.

23 They've since voluntarily withdrawn the challenge.24 Program staffing, as you all heard last time,

25 it took a long time to replace Larry and then

1 Larry's replacement didn't last but a month. Then 2 we had Dana, who came on board, but then Mary left 3 and now we have three. So actually, the people who 4 process the registrations are fully staffed right 5 However, technical folks, Ginny left us in now. 6 November. We advertised three times; seven 7 applicants. Five withdrew. One was interviewed but 8 currently is overseas in Bulgaria taking care of 9 family.

10 Another applicant was -- he was a Ph.D. in 11 chemistry. The other applicant, one of the other 12 applicants who agreed to be interviewed was a Ph.D. 13 in environmental science, also in Europe. They 14 didn't have U.S. working papers so we couldn't 15 proceed farther with them.

David, who's our -- he's an electrical engineer 16 17 who works for us, is the one who does our research 18 on new devices and whatnot, he's leaving in June. 19 June 1 is his real retirement date. Since -- he actually had closed down his engineering business, 20 21 his manufacturing business, and worked for the 22 State, so we were kind of a retirement job in the 23 sense he was no longer responsible for marketing, 24 for hiring and firing and all that type of stuff. 25 And it was a -- and now his wife said it's time to

1 fully retire.

So we will be down two staff, technical staff.
 It will be just Lisa and I.

We currently have -- we've crossed the 20,000 registration threshold this past bit with the 63,000 machines registered in the State.

So far for this renewal cycle, out of those, you know, over 20,000, about 18,000 have actually paid their registration fees so far this year to about 2.6 million. While -- so that leaves about 2,000 that haven't paid yet for about 230k. And of course, there will be some percentage of those that disappeared and never bothered to tell us.

14 I think I told you all last time, we were able to renegotiate the MQSA, medical quality assurance. 15 16 So that's all going well so far. We, we are 17 churning inspectors like in everything else. We had 18 one gentleman retire. We were able to hire another 19 person who has now completed their training and will be starting, able to do MQSA inspections in another 20 21 month or two after they get their final

22 authorization from FDA.

23 One consideration facility is, we've had some 24 questions about physicists in training. So the 25 requirements to do physics for MQSA is a different

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level than the State of Florida licensure for a 1 2 medical physicist. So an MQSA, a physicist in 3 training can actually meet the full Federal 4 requirements to do all, all the calibration, 5 examination, stuff for a mammography machine, but they wouldn't be legally allowed to sign off on it 6 7 under Florida Statutes because you have to be a full 8 physicist rather than physicist in training. A full 9 licensed medical physicist before you can sign 10 something off. So they can do the work, but they 11 would still have to have the supervising physicist 12 would be the one to sign off on the final reports to be able to meet Florida Statutes. 13

14 We have -- we do issue the Florida MQSA medical 15 physicist letter. This is a letter that states that we have reviewed their qualifications and determined 16 17 that they meet the MQSA requirements for an MQSA 18 facility. This is a service we offer so that 19 facilities don't have to have a whole stack of the physicist paperwork on -- in their files. 20 They can 21 just take the letter and have that demonstrate this 22 person who's doing their physics work is gualified. 23 Otherwise, the facility, itself, has to track their 24 initial qualification, as an MQSA, a physicist and 25 all their CEs, and how many machines they've

1 actually evaluated, because there's two levels. You 2 have to -- I do not remember. I cannot tell you the 3 numbers off the top of my head, but you have to 4 survey X number of machines every two years and 5 you're good for two years from the first of those 6 numbered machines. And you have to have, in 7 certain, 16 hours of CE every three years and it's 8 from that first hour that CE, to three years. And 9 so, they don't have to do the math on that.

10 We've had one medical event since last meeting. 11 One wrong site that was palliative treatment of 12 three different sites. Base of skull, sacrium and 13 lung -- sacrum and lung, sorry. The patient 14 requested the sacrum be treated first, but when they 15 set him up, they set up the new treatment delivery was for the skull base fields rather than the 16 17 sacrum. Sacrum base fields rather than the --18 rather than for the -- they used the skull fields 19 for the sacrum treatment. Say that right.

20 Now, let's get this thing going. Okay. So 21 this is a presentation that was given at the CRCPD 22 annual meeting last week. Program control 23 directors, their National Radiation Protection 24 Conference, their annual protection conference.

25 So this, the NCRP has been, maybe roughly every

1 ten years or so now, issuing a report on the dose to 2 the public in the United States. Over, you know, 3 when the report in 1980 was released, it was 4 primarily, a large chunk was background and, you 5 know, 55 percent of your dose was indoor radon. And 6 in '09, it was somewhat surprised to see that 7 medical became a very large chunk of the exposures, 8 specifically CTs.

9 And so, in the last update, for the medical 10 exposures, in 2016, what they really did was they 11 looked -- since nothing is really going to change 12 with the environment particularly, cosmic is not going to change, ground base isn't going to change 13 14 The consumer products is such a small per se. 15 sliver; things like that. They went and updated the 16 medical exposures.

17 And so, once again, NCRP is gearing up to 18 update the medical exposures. So in concert with 19 the CRCPD, the FDA, the NRC, DOE, alphabet soup, 20 radiation agencies, all were preparing -- were doing 21 preliminary work for the NCRPs next update to 22 medical radiation exposure patients in the U.S. to 23 update the ionizing radiation exposure for the 24 population of the U.S.

25 So one of the recommendations from that report

was that they improve the data collection for future updates. So last November, there was an all interested parties meeting in DC where we -- I'm actually on the committee, by the way. I was there. Where we went over and talked about the previous report and started working on concepts for methodology collection; things like that.

Okay. So there's the motley crew involved. 8 9 And if I could name people, I'm having a brain fart 10 In the back, the tall guy in the back is Don here. 11 Miller, FDA. Up in front is Adelle Selpn (ph). I cannot say peoples' names for the life of me. 12 In 13 the middle, Melissa Martin, health physicist. Lisa 14 Brudigan (ph), Texas. Jeffrey Elie (ph) is in front 15 of me on the right. A bunch of other people I don't know their names. I can't remember them. About a 16 17 third these folks were actually authors on the 18 previous NCRP report and are members of the NCRP.

19 So outcomes from the last meeting, that first 20 meeting was actually setting up some milestones, 21 looking at how we can collect the data, store it, 22 looking for focus groups. To work on -- groups to 23 focus on specific tasks.

24So going forward, of course, the sites25collecting -- they actually have surveyed states to

see what they can support in this project. And that's why I talk to you about it because we'll be acting in this and going to facilities and collecting data.

5 Identify the professional societies that can 6 assist and provide us data. Nuclear medicine, ACR; 7 you name it. Appropriate -- the appropriate 8 alphabet soup of usual suspects. And, of course, 9 once we determine what the proper data collection 10 will be format, setting up training for that.

We met again in March. Came out of that. The survey that was just released for the State's new system, yeah, we put together an introductory letter that we'll be sending out to the project partners or groups that we collect data from.

16 So, so far, the states that have replied to the 17 survey, in green. Grays haven't offered their 18 comments in how they'll be able to support it or 19 not.

And dates, this was -- certain questions about what actual dose evaluations or exposure, I should say. Most states, there was a little language problem I saw in the survey. Was that we used dose when we really meant exposure measurements.

25 Although some people were actually looking at dose

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1 evaluations.

2 And where almost everybody evaluated dental 3 CTs, hardly anybody evaluated cone-beam CT and 4 nobody is actually doing -- taking when they're 5 doing their medical, materials inspections aren't looking at dose data for nuclear medicine or 6 7 exposure data, all right, and, of course, when 8 they're actually doing active measurements during 9 the inspections.

10 Again, radiography, those are folks who have 11 seen what we do on our inspections. We get in there 12 and we actually take our meters and put them in the beam and look at the quality of the -- what's coming 13 14 out of the beam, kVp, mR rates; things like that. 15 Whether or not the machines are actually 16 consistently operating. Doing, you know, taking 17 multiple shots and is the dose consistent. Is there 18 any drift going on between shots.

And again, cone-beam NCT and CT, themselves,
not many states have the capacity to look at that at
this time.

All right. And then what other things they're looking for. Suggest that we could, you know, can you look to the physicists reports. Whatever facility records, such as what's the actual number

of measurement or procedures done in a given time.
 Any other data that could be used.

3 And so, that's where you'll probably be hearing 4 from us. More as we, since the State of Florida has 5 the authority to ask you a lot of questions that we 6 don't, but we'll still have the authority to go in 7 and say how many times you're operating your 8 hardware. We may be maybe being more thorough in 9 our investigations, but it will probably be some 10 sort of random sample, I assume, once it gets to 11 that point. The lucky winners who get to have us go 12 more throughly into their practices to collect the 13 data for the national exposure.

14 CHANTEL CORBETT: So are there going to be a 15 set number of questions? Like, are there going to 16 be set questions? In other words, like so if you're 17 going to ask them how many times have you done an 18 exam on this unit, like, because every unit has got 19 a different way to look those things up or the 20 capacity to hold that record.

21 CLARK ELDREDGE: Right.

22 CHANTEL CORBETT: So I wasn't sure, are you 23 going to let licensees know that those questions are 24 coming so they can make sure they know how to get 25 that data, if they can get that data? Or is that

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1 just going to be a live, like on the fly, surprise? 2 CLARK ELDREDGE: No. If you think of the 3 previous NEC surveys, I don't know if you're 4 familiar with the NEC surveys. That's where we 5 look, go through and randomly select, whether it's 6 chiropractic or dental or some particular slice of 7 medical radiation exposure, and work with the 8 national organizations; develop a survey. We 9 contact the people beforehand; let them know we're 10 coming in. This is what we're looking at for this 11 national survey to see what the extent of --12 CHANTEL CORBETT: Okay.

13 CLARK ELDREDGE: -- the procedures are, what 14 doses are being given; things like that. So I would 15 expect for those folks who get selected --

16 CHANTEL CORBETT: Be something similar to that? 17 CLARK ELDREDGE: Be something familiar to that. Past years, okay. We will -- back up. In this, I 18 19 suspect we'll end up using the ICRP standard, if you 20 want to call it that. Exposure to dose coefficients 21 for various procedures. They've got their library 22 of those coefficients converting from exposure 23 measurements to different procedures to actual dose 24 to the patient.

25 They will also -- previously, they looked at,

to get actual counts of procedures and stuff.
 There's some insurance reporting databases. There
 are some other national surveys, industry surveys
 out there that sell their -- sell data that was used
 in the previous surveys for the NCRP report.

We work with AAPM as well as ACR, as I said, 6 7 getting their cooperation and guidance on these So this is still very much in the 8 things. developmental stage because the NCRP, itself, won't 9 10 be looking to probably start anything in earnest 11 until probably '26. So we've got about a year and a 12 half on the CRCPH committee to get our stuff going. 13 And then probably a year, year and a half to build 14 up the information to give to NCRP for their 15 analysis and review and publishing.

So this is probably 18 months to 24 months away
before we go forward with that.

18 NICHOLAS PLAXTON: I've got a guick thing. So 19 I know when we do CTs, or even like the PET CTs, there's the -- we put a number in our reports of, 20 21 like, how much radiation the patient got. But is 22 this a matter of, you know, I quess how you extract 23 that data, right? Because being in our electronic 24 report doesn't help vou, right? If there was some 25 kind of electronic system that it would transfer to,

1 and then you can automatically get the data. 2 REBECCA McFADDEN: You can buy a system that 3 does that. 4 CHANTEL CORBETT: I was going to say some of 5 the hospitals have it. REBECCA McFADDEN: Clario, they do a combined. 6 7 So basically, they're really --8 NICHOLAS PLAXTON: Keeps track of people, 9 right? 10 REBECCA McFADDEN: They track all of their 11 radiation activity. They're pretty expensive, but they're pretty awesome tools. 12 13 CHANTEL CORBETT: Yeah, the bigger hospital 14 facilities have those pretty much. 15 REBECCA McFADDEN: Yeah. Patient trackers. 16 NICHOLAS PLAXTON: Do you use any of that or 17 no? CLARK ELDREDGE: Well, that's something we'll 18 19 be trying, yes, all of the above. 20 NICHOLAS PLAXTON: Okay. 21 CHANTEL CORBETT: Because those kind of 22 facilities would be the perfect ones to start with, 23 honestly, because they can give you data --24 CLARK ELDREDGE: Right. 25 REBECCA McFADDEN: They've already given --

NICHOLAS PLAXTON: It's already there. It's
 much easier.

3 REBECCA McFADDEN: Mainly when you're pulling 4 the dose, you're looking at DAP or CT, so that's 5 when you're plugging in those numbers, but --6 CLARK ELDREDGE: But the flip side, we'll need 7 to do that because, of course, someone represents 8 age and market share, and that part of the thing is, 9 who -- what folks are using what equipment? Which

this is primarily diagnostic. You know, diagnostic centers. So, you know, the age of the equipment, what -- so that, that will actually reflect some on what the dose is given, et cetera. And so --

hospitals versus, in this case, if we're talking --

15 CHANTEL CORBETT: That greatly varies, too.
16 Some of the hospitals have older equipment than
17 outpatient centers.

18 REBECCA McFADDEN: Yeah. Hospitals are the 19 ones that have the oldest, usually.

CHANTEL CORBETT: The problem is the older
 x-ray equipment, none of those connect to anything,
 regardless of what software you have.

23 REBECCA McFADDEN: Yeah.

10

24 CLARK ELDREDGE: So there will be some

25 statistical analysis for trying to, you know, do we

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look at scattered across the country versus, you
 know, how many types of different folks are doing at
 different levels and different work. Subsampling of
 those things to try to get a statistically valid
 sample.

NICHOLAS PLAXTON: I know this is a little bit 6 7 off because I know you're dealing with the machinery side of it, but like, it's kind of interesting 8 9 because with our PET CT reports, like I said, we 10 generate -- that number is generated by the scanner 11 from the CT portion and then put in our report. But 12 we're not -- the actual dose is not being 13 transferred into the report. The report doesn't 14 have the radiation.

15 CHANTEL CORBETT: See, like the software I'm 16 talking about, pulls it straight from the CT into 17 that and you can run a CT report just on the CTs and 18 you can run a report on IR, you can run a report on 19 the cath labs.

20 NICHOLAS PLAXTON: That's what I'm saying.
21 With nuclear medicine, when we inject patients, all
22 that radiation is not being tracked.

23 CHANTEL CORBETT: Correct.

24 NICHOLAS PLAXTON: So even in the PET CT,25 you're just getting half the dose, really, because

1 the other half is the FDG radioactivity. So it's 2 actually something that we should probably address, 3 though. Like, we're putting in, like, half the 4 results of the -- which is kind of misleading. 5 CLARK ELDREDGE: Which may end up being 6 something like, what's the total activity you used. 7 NICHOLAS PLAXTON: And we know exactly because 8 we measure how much -- we measure the syringe 9 first --10 CHANTEL CORBETT: The residual. 11 NICHOLAS PLAXTON: -- and then the residual 12 afterwards, so we know the rest went in the patient 13 and we put that in our report. So the --14 CLARK ELDREDGE: Right. 15 NICHOLAS PLAXTON: -- we know the mCi that are 16 given to the patient. But we can easily convert 17 that. But we should be converting it and writing it 18 in with the CT. 19 CHANTEL CORBETT: Biologicals are different on every one of them. That whole worm hole. 20 21 NICHOLAS PLAXTON: Yeah. So I mean, we would 22 have the numbers, but like right now, you would have 23 to calculate it out. It should be automated, 24 actually, to put it in there. I mean, I notice, 25 obviously, that's why it's being tracked in nuclear

medicine, because we're injecting the radioactivity
 instead of a device giving it to them.

3 CHANTEL CORBETT: It's not machine produced.
4 NICHOLAS PLAXTON: For the patient, they should
5 actually have it all tracked in one of these
6 systems.

7 RANDY SCHENKMAN: Any other questions? Are you8 all done?

Okay. Now we've got James up.

9

10 JAMES FUTCH: All right. Let's start with 11 this. So technology section update. Let's start 12 with the completion of a two-plus-year journey, which involved the Council, I think at least twice, 13 14 on the rule making for my part of the regulations, 15 which is 64E-3; most of the Rad controls in 64E-5. And this was Section .009 of the Florida 16 17 Administrative Code, was the standards for CE 18 courses.

So this was where we made a few changes to literally two pages of the rules so that we would be in compliance with the national standards consensus that AART has set up with the other state licensing agencies and what they call RCEEMS. The societies that approve CEs for the radiologic professions, so ACR, ASRT and all the rest.

1 There's this national consensus standards and 2 if we want to still be part of that, we still want 3 to have our CE be accepted by the other groups for 4 Florida Rad Techs, and if we want national CE to be 5 accepted in Florida for use in renewing Rad Tech licenses. So basically, you don't have to have 6 7 separate CE for all the organizations, this had to 8 be adopted.

9 So we started this in the spring of 2021, I 10 think, and that's just how long it takes to get 11 through the regulatory process with two pages' worth 12 of not very many changes. So let me show you what 13 we have as a result of that.

And what we have is this little piece of paper here. And so this is the -- as big as I can make it. I think actually, maybe I can make it bigger. It might go off the screen. It might do that. Okay.

So this is the section of the standards, talks about a lot of things. Anything you see in yellow highlight was changed.

22 So the first thing you notice is that, yes, 23 after probably ten or twelve years, we finally 24 figured out how to spell the word emission correctly 25 (laughter). And by the way, it does not have two

M's in it. And nobody caught that, ever, all along
 the food chain.

3 So this is the section of the rule where it 4 talks about which kinds of topic areas will be 5 accepted for what we call technical credit as 6 opposed to personal development.

7 WILLIAM ATHERTON: So who finally caught it?
8 NICHOLAS PLAXTON: Spellcheck.

9 WILLIAM ATHERTON: Spellcheck.

JAMES FUTCH: No. Kelly Nesmith, who was a CE coordinator for years and years ago -- probably caused it to start with -- was reviewing this, I don't know how many times, and finally said, I don't think that's right. Turns out she was correct. Twice.

16 CHANTEL CORBETT: Your brain corrects a lot of 17 things.

JAMES FUTCH: Yeah, there you go. So a little further on, we had a section where all the yellow stuff is added, unless you see it struck through. So we added a section on -- and you all have seen this at least twice in previous meetings and given your support of it, so I kind of want to say we finally did it.

25 And so this was to give credit for the hands-on

1 component for CE credit, which in some situations, 2 we weren't doing before with some types of CE. 3 This was never in here. Oh, look at that. 4 There's another misspelling. Oh, my god. 5 REBECCA McFADDEN: Attempts. 6 JAMES FUTCH: Ay, yi, yi. Okay. I don't care. 7 Whoever comes after me and fills my position after I 8 retire can fix the word attempts. Let's just say 9 maybe this is not -- I pulled this off of the rules, 10 say. I don't think this was in -- I will say I 11 don't think this was in our draft which was submitted. I think the Florida Department of State 12 13 made that mistake.

14 Anyway, the important part here is, we never 15 had a limitation, we never thought it was necessary. 16 AART and the other RCEEMS has a limitation on the 17 number of times you can attempt a CE course and 18 attempt to pass it with 75 percent, after which you 19 aren't going to get credit for. We kind of relied 20 upon, I think, the marketplace and the intelligence 21 for people to figure out you can't take a CE course, 22 like, you know, thirty times until you finally pass 23 it. But now there's a reason why you really can't. 24 This was in here before. This sentence was

25 removed. By the removal of this sentence, you now

can actually count the time it takes to take the
 post test questions as part of the learning
 activity.

4 Now, one caveat to this, which the lawyers 5 pointed out, which I really loved, they said, um, do 6 you mean the actual time for the individual 7 technologists to take their particular post test or 8 do you mean there's just a certain amount of time we're going to get you in approving this activity 9 10 for, say, three credit hours? And we said, this is why they're lawyers. No, we actually mean just a 11 12 certain amount of proof time. If Becky takes it and it takes her ten hours, we don't give her ten hours 13 14 of credit post test.

REBECCA McFADDEN: I'm a slow reader.

15

16 JAMES FUTCH: This one right here is huge. In 17 the infinite -- I don't know how you say this. In 18 the infinite specialization segmentation of what is 19 the smallest amount of CE that anyone will actually 20 take, and it's a fifteen-minute segment. We used to 21 approve whole books for, like, however many hours it took to review the whole book. And we don't do that 22 23 anymore. So now books are going to now be approved 24 on a chapter basis. You can take chapter three out 25 of the book and not chapters one and two, or however

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1 many else there are, and that's all you have to do. Each one of those will have its own CE course 2 number assigned to it. So if it has fifteen 3 4 chapters, it's going to have fifteen CE numbers. 5 You can see where this kind of turns into a little 6 bit of slightly more work on our part. 7 CHANTEL CORBETT: On your end. 8 JAMES FUTCH: Yeah. But this is the way we 9 must do it now in order to conform to the national 10 standards consensus. 11 CHANTEL CORBETT: So to make sure I understand 12 that right. Like, so you buy a forty CE book, you 13 know, with forty chapters. 14 JAMES FUTCH: Right. 15 CHANTEL CORBETT: And you only need five CEs 16 this cycle, so you can just take chapters one 17 through five; save the rest for later? 18 JAMES FUTCH: That's right. You still have to take the whole CE activity, but it will be forty 19 20 separate CE course numbers for that book. Yes. 21 CHANTEL CORBETT: Oh. 22 ADAM WEAVER: Each chapter. 23 CHANTEL CORBETT: You still have to complete 24 the whole thing, so it doesn't really matter. 25 JAMES FUTCH: Each one of those is an activity.

1 So if you only want to do chapter five, you only 2 have to do chapter five. 3 WILLIAM ATHERTON: But each chapter has to be 4 approved. 5 CHANTEL CORBETT: I thought you just said you 6 had to complete the whole thing. 7 JAMES FUTCH: For us. When we say you have to 8 complete the whole thing, we mean the whole CE 9 activity for which the course number has been 10 assigned. 11 CHANTEL CORBETT: Okay. So each chapter --12 that's what I was saying. If you only wanted five CE's out of the forty of that cycle, that will 13 14 be five and be done. 15 JAMES FUTCH: This is correct. 16 ALBERT TINEO: You can use the rest of it for 17 the following. 18 CHANTEL CORBETT: Right. Okay. Exactly. 19 That's what I'm saying. 20 ALBERT TINEO: That's awesome. 21 CHANTEL CORBETT: Yeah, it actually works out 22 well. 23 KATHLEEN DROTAR: Yeah, there's some CE 24 providers that, here's the book and --25 CHANTEL CORBETT: Actually, like forty a year, All Good Reporters, LLC 407.325.0281

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but that's because it's a book.

2 JAMES FUTCH: Yeah, this one, we implemented 3 it, it's a three-year cycle. Other groups are 4 implementing it, so there's this -- staff tells me 5 there's a little bit of -- it was approved up here 6 and they don't want to submit it down here because 7 we'll make them do it chapter by chapter. This 8 group up here is still doing the whole book. So 9 they're going to get approved up there. Then we 10 still have to take it because we accept the RCEEMS. 11 In a few years, once everybody has got all of 12 their CE approval cycles through, it will all be the 13 same.

14 And I think this is the last part of, almost 15 the last part. So on the course certificate, you 16 actually have to print Category A. If it's approved 17 by AART, of course, it's Category A credit. We 18 approve -- we don't do A plus, which is for 19 radiologist assistants. And if it's a hands-on 20 activity, you actually have to list the course 21 learning objectives on the certificate. Apparently, 22 this is useful when it goes to other states, the 23 other states or RCEEMS understands what they're 24 given credit for.

25 And then the last one, go ahead, I challenge --

1 nobody -- do we have any lawyers in the group? Do 2 we? Come on. You can admit it. 3 (Laughter) 4 JAMES FUTCH: No? All right. So everyone read 5 this and tell me what you think that means. 6 REBECCA McFADDEN: Oh, my gosh. 7 CHARLES HAMILTON: You can get an amendment 8 five years from now. 9 JAMES FUTCH: You don't count. You're a 10 bureaucrat. 11 WILLIAM ATHERTON: You have up to five years to 12 do so. 13 ALBERT TINEO: To make another change or 14 amendment. 15 JAMES FUTCH: Yeah. So this is interpreted as 16 a sunset clause by the bureaucracy. And this is 17 something that has to be added, which I am told, 18 means that five years from now, someone has to do 19 some kind of review on this and --20 CHANTEL CORBETT: Or it goes away. 21 ADAM WEAVER: See if it's still valid. 22 JAMES FUTCH: See, you're too logical. You've 23 been too close to the physics and to the radiation 24 and to the chemistry and all the rest of this. 25 CHANTEL CORBETT: I know. I should know better

1 by now.

JAMES FUTCH: You're like, what kind of review?
What criteria does it have? And the answer is,
there is no answer at this point. So we'll see in
five years.

6 ADAM WEAVER: Don't they put that in a lot 7 of them?

3 JAMES FUTCH: Usually it's in a statute by the 9 legislature. It's a lot clearer then because it's 10 the law and it says, unless we as the legislature 11 act to continue this law, it will automatically be 12 repealed as a law. That's pretty straightforward. 13 This is -- this is a different kind of a thing. 14 Anyway, it's in there.

All right. Let's see. Let's close that tab and let's go back here and the next page is -- all right.

18 So we, the Florida Department of Health, Bureau 19 of Radiation Control, have been recognized for three 20 years as a CE approver by ARRT and the National 21 Consensus Group, which is ASRT and student medicine, 22 ultrasound, all those other groups, because we, we 23 have met the recognition criteria. This is 24 basically accreditation for us. Fill out a whole 25 bunch of paperwork, answer a whole bunch of

questions, submit a whole bunch of policies, explain
 how you do this, so on and so forth. It goes to
 ARRT's board of radiologists and other folks and
 they approved it in July three years ago.

5 So we were up for re-recognition this year, so 6 we had to be reaccredited is the way I explain it. 7 And we just submitted that application. It will be 8 reviewed by ARRT's board again in July and hopefully, we'll continue to be accepted and 9 10 recognized as a CE approver so that all the stuff 11 that we do to approve CE's in Florida, you want to 12 use it with ARRT, AART.

WILLIAM ATHERTON: Just curious, who is the one that approves the CE? Do you have people, an algorithm, people that sit there --

16 JAMES FUTCH: Yeah. No, there's a consensus. 17 So the rules that you saw, the ones that we 18 just changed, that's a small part of it. That's 19 kind of like the superstructure of a lot of it. 20 There's a booklet full of little, here's how you 21 handle this and here's how you handle that. And 22 like, for example, one of the contention points for 23 the upcoming meeting, they meet once a year, usually 24 in Minnesota at the ARRT offices, is how much credit 25 do you give a picture? How much credit do you give

1

a chart or a graph? Okay?

2 So if you wanted to figure out how much time it 3 takes on something that's a video, okay. You've got 4 minutes. You know how long it takes to watch the 5 video.

6 If you want to figure out how long it takes to 7 read text, I forget what it is. 1.85 minutes per X 8 amount of, you know, words per paragraph or 9 something like this.

But so we were running into, okay. Here's, here's a course. It's all text. There's no pictures. Here's a course that's half text, it's half graph, charts, pictures. Maybe there's labels on the picture, maybe there's just arrows pointing to things they want you to see with captions somewhere else.

17 Really, it takes the same amount of time to 18 absorb it. If you read it all, it actually will 19 probably take more if you tried to read it all in 20 text. A picture's worth a thousand words, right? 21 Not in ARRT's world. Apparently, it's an 22 indeterminate amount of time. So we're trying to 23 nail down some sort of mechanism by which everyone 24 can agree on how you value these five charts that, 25 you know, a technique chart, if anybody is still

1 doing that kind of stuff. Or here's several 2 pictures of radiographs of, showing some aspect of 3 poor positioning or, you know, poor exposure, 4 something like this.

5 So it would be interesting to see what comes 6 out of that. But that's still to come. But anyway, 7 the application has been submitted again, and this 8 time, if it's approved, we'll be good for five 9 years, which is a good timeframe.

10 ADAM WEAVER: Aggressively getting longer each11 time you reapply.

JAMES FUTCH: I'm thinking, yeah. Five years
ought to do it. That would be perfect. Clark will
still be here.

15 All right. So that's, that's that part of it. 16 Personnel changes, I think we mentioned this 17 already. So my staff is two -- two staff are 18 dedicated to the Rad side of the world and the other 19 four are wholly in IT programmers, help desk people 20 or kind of a mixture of those folks and 21 administrative assistant, purchasing, things like 22 that.

And our CE coordinator position, Melissa Burns, those of you who know her, she's been in the job for, I guess a year or so. She has left to go up to

1 our division office to take another job, essentially 2 doing project management. So we are -- we have one 3 vacancy in that position. Kelly is again, for the 4 fourth time in four years, covering, covering for --5 as the CE coordinator. So if you know anybody who 6 wants to come to work for the State for not very 7 much pay, but lots of good, warm feelings -- he did it twice. 8 9 CHANTEL CORBETT: Bakes good. 10 ADAM WEAVER: Double dipping. 11 JAMES FUTCH: Bakes cookies, we hope. 12 Hopefully you have another breadwinner in the family who makes a lot more than you do. 13 14 CHANTEL CORBETT: You want to retire. 15 JAMES FUTCH: You like the Tallahassee life. 16 It's very much not like Miami, I'm told. People 17 that come to Miami and say, I hate it up here. 18 There's too many trees and too many wide open 19 spaces. 20 Woods are scared. CHANTEL CORBETT: 21 JAMES FUTCH: Woods are scared. Woods are full 22 of ticks right now. 23 ADAM WEAVER: There's a lot of bears up there. 24 JAMES FUTCH: So anyway, some personnel 25 That's it for us on that. changes.

1 And then the last thing I wanted to show you is 2 some, some various stats and insights into 3 discipline complaint cases and things of that 4 nature. Let me jump over to here and start out 5 with -- this is -- let's start out with this one. 6 So this is current cases. Actually, let me 7 show you this first so maybe some of this makes a little more sense. 8

9 So these are the discipline standards for this 10 profession. Every profession has them. Most of 11 them are fairly common across all professions. And 12 these are, these are ours, A through, I think it's M 13 or N now. Let's see. All the way down to, yep, N 14 right there. Okay.

15 So being terminated from an impaired 16 practitioner program. So you're in -- you got some 17 sort of impairment program, drug related, and 18 there's a state program that handles that. And 19 you've been terminated from it because you're not 20 complying. Being found guilty of any offense 21 prohibited under this long laundry list, a bunch of 22 criminal offenses, failing to report within thirty 23 days after you had a certificate acted against, 24 mostly by AART, but also another state.

25 Testing positive on any drug -- for

1 preemployment, employer required drug screen when 2 you don't have a lawful prescription and legitimate 3 medical reason for taking the drug. This one makes 4 it easy to go after folks. You don't have to prove 5 impairment on this one. The lawyers usually love this particular. You just show me the test result 6 7 and we can go after, probably require an exam to 8 make sure you're not impaired.

9 Employing, this is for people who use those 10 uncertified operators. We used to call them NCO, 11 non-certified operator. MQA calls them ULA. Thev 12 have a big marketing program about that. This is 13 not the person who is the unlicensed activity. This 14 is the person who's employing the person who is 15 taking x-rays without being licensed, et cetera, et cetera. It's kind of weird because it's in the Rad 16 17 Tech statute, but it gives legal authority to go 18 after the employer.

19 This is a catch all. Violating any part of 20 this rule, any other rule of the department, et 21 cetera, et cetera, et cetera. Failing to report 22 somebody else you know is in violation. Being 23 unable to practice, impairment or use of whatever 24 drugs, mental, physical condition. Unprofessional 25 conduct, paragraph F, which is also huge and

includes lots of different kinds of conduct,
 including tying into ARRT's code of conduct.

Making, filing reports, false report or record in your capacity as a certificate holder. So you go change the x-ray in some way, shape or form or you take an x-ray of yourself, or your own hand and then you modify the records so the boss doesn't know you've been x-raying yourself. That one happened last time around.

Being convicted or found guilty. Then we're back up to the normal stuff. You, yourself, being convicted of a crime against a person or a crime that involves the practice in some way, shape or form.

15 This is a big one. Having a voluntary or 16 mandatory certificate to practice acted against by 17 another organization, like a national organization 18 like ARRT, et cetera, et cetera.

19This is another one, good one, procuring or20attempting to procure, basically, through various21means, a license from the department. So you lied22on your application or something of that nature.

23 So that's the bases for all the complaints that 24 anybody ever makes against the technologist. It has 25 to find a nexus in one of these statutes or you

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1 can't act against them.

2 So we look at current case details. Here we 3 And this is a spreadsheet. Very busy. Let me qo. 4 show you how many rows there are. So approximately 5 64 open cases at the moment. Each one of these is a 6 case against a person. I've hidden the peoples' 7 names and most of their CRT numbers and just left 8 the case dates so you can see what year they were 9 opened.

10 And these are the kind of things that the 11 lawyers keep track of. Kelly keeps track of. They 12 have all sorts of coding systems. Basically, this technologist is a CRT. It's currently under review. 13 14 It was last acted on, you know, April 21st. It was 15 opened some time in fiscal year 2023. And it really 16 doesn't tell you anything at all about what the 17 substance of the problem is, but there's 64 of them 18 at the moment.

19The case counts, well, let me show you this20one. Here's a historical. Another application.21This one, instead of having 64 rows, this one has221,000 something or other. And this one goes back to232006.

24 So these are all the cases that is we've had 25 and these are sorted by incident type. So you have

1 various and sundry things that can happen. You have 2 various kinds of conviction from other causes, how 3 did it come to us? This is something, another 4 agency does background checks on folks and we find 5 people with convictions that weren't reported that 6 way. Certificate not posted during inspection. 7 That seems rather mundane compared to the rest of 8 these.

9 A whole section for discipline by ARRT and 10 another state. Again, this is from 2006, 1,000 11 records, roughly.

Let me show you how many of these there are. These are various uncertified operators. Various ways they come to us. From inspections. Somebody maybe gave an anonymous complaint. Maybe it's a disgruntled former spouse, who knows, former employee.

18 And then when you get down to the bottom of 19 this, a lot of these uncertified operators not in compliance with the final order. So you did 20 21 something, like you worked without a certificate. 22 There was a discipline case. You were supposed to 23 do a fine. You were supposed to do CE. Of course, 24 you're supposed to stop doing what you're doing. 25 And you didn't comply with some aspect of that.

Usually, you didn't pay the fine or you didn't do
 the medical errors course -- not medical errors.
 The ethics course so you don't mess up again.

So you come back through the lawyers again and we're going to go after you one more time for not complying. This time we're probably going to suspend your license until you wake up and do what you're supposed to do.

9 Let's see. Sometimes in old data, you have a 10 situation where you create a case and there's no 11 nexus for it, but you have -- you don't have any way 12 to close it until it's finally acted upon through These didn't have any incident 13 the whole system. 14 recorded on them. But the biggest section down here 15 is UPC, unprofessional conduct. Unprofessional 16 conduct can include, as you'll see in a second, 17 various kind of subcategories, if I ever get there. 18 There it goes.

19 So these are unprofessional conduct involving 20 misadministration of radiation in some way, shape or 21 form. These are ones involving impairment. I think 22 there's some impairment that's specifically related 23 to prescriptions.

This is unprofessional conduct involvingillegal activity. This is what we do when you have

a license that's still active. Maybe it's expired.
It's not null and void. But you decide to continue
working on a, on an expired license. So we come in
and be categorized in this way, shape and form.

5 So that's kind of a 30,000 foot view of all the 6 cases from 2006 forward.

Let me close this one and close this one.
CHANTEL CORBETT: So when you say disciplined
like the ARRT, does that include CE violations or
exclude CE violations?

JAMES FUTCH: It can include CE violations.
 CHANTEL CORBETT: Okay.

JAMES FUTCH: ARRT and the other states, ARRT 13 14 is pretty open about publishing when something has 15 happened to a person and put them on the enforcement 16 list. They'll send us the information. Their 17 person, their discipline coordinator, enforcement 18 coordinator talks to Kelly fairly regularly. Thev 19 have a pretty good relationship; kind of keep each 20 other aware of what's going on.

But they, they don't release records to us willingly. They'll just say, hey, this thing happened. So then we'll have to go to the lawyers and the investigators. We'll have to get a subpoena issued. We'll have to send them a subpoena and then

they'll give us the records. So they want legal
 cover of the subpoena in order to release the
 records to Florida so we can act upon them.

4 CHANTEL CORBETT: I wasn't sure on CEs since 5 it's not required to have one of those to keep your 6 license.

7 JAMES FUTCH: If you read the statute, it says that we will consider, theoretically, we're supposed 8 9 to do the same thing they do. If they suspend the 10 person, we should suspend the person. So we'll give 11 very strong weight to what they did, but we'll also 12 follow our -- I didn't show you one of those discipline standards. There's a recommended 13 14 minimum, maximum penalty. First offense, second 15 offense; that kind of stuff.

16 NCE is one that's, you know, kind of down here
17 on the severity list.

This is, this is the report -- one of the first things I showed you was the open cases that we currently have. I think it was 63 or 64, something like that. And this is a weekly report that we do. In this case, it's covering a longer period of time. I asked Kelly to go from the beginning of the fiscal year to present.

25 So at the beginning of the fiscal year, we had

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1 68 cases open. Over the past couple guarters, we 2 have opened 44 new cases, we've closed 48. I don't 3 know if that math works out. If it doesn't, it's 4 only off a little bit. So the current case total is 5 around 64. That doesn't represent -- they can open 6 multiple cases against a given Rad Tech, so you can 7 have, like, two cases against the tech. So the 8 number of cases is always greater than the number of 9 techs.

10 And here's how those incidents break down for 11 this time. The current 64 open cases. This is how 12 they break down in terms of how many for each of the 13 various kinds of -- unprofessional conduct, 14 uncertified operator and all the other ones that I 15 just showed you.

16 And then the last thing I want to show you is, 17 is this one. Is this one. Incident stats over from 18 2006, basically, from 2006 forward. This is how the 19 stats break down. So it's got the incident type on 20 the left. I've colored the ones that are basically 21 the same thing, just different categories. You can see the ones that were involved and then the 22 23 percentage, I guess 1013, that they've represented 24 individually. I've added all the colors together.

25 All the convictions are roughly 2.2 percent.

Uncertified operators, 31 percent. All these added
 together, these percentages. And then
 unprofessional conduct is 44.

4 So you can see between just these two 5 categories, we've got 85 percent. So those are the 6 two big categories. People working either on 7 expired licenses, which I think is more common than people not working on any kind of license 8 9 whatsoever. And all the various kinds of 10 unprofessional conduct, which could be drug related, 11 it could be, really anything else in the practice 12 that you didn't do that you were supposed to, you 13 did do that you weren't supposed to. 14 And that's it for, for Rad Tech update. Any 15 questions? 16 RANDY SCHENKMAN: Okay. Well, I guess we're 17 going to move on. 18 CLARK ELDREDGE: I'd like to go back. 19 RANDY SCHENKMAN: You have a question? 20 CLARK ELDREDGE: I've got a question. I've got 21 a couple points I wanted to make. 22 So the one investigation that recently involved 23 that, with MOA as well was we had a complaint

against a physician who was instructing his non-Rad
Tech employees to take x-rays. So his opinion was,

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I'm a doctor. I can tell you what to do in my practice and I'm directing you to do this. You shall do this. And it was -- his employees complained to us. His Rad Tech had quit over certain similar activities. He was requiring the Rad Tech to train the front desk people and stuff like that to do the x-rays.

In addition, he was not maintaining his 8 9 equipment. He was not getting it calibrated when 10 the system kept popping up and saying it's out of 11 calibration, get it calibrated now every time it 12 booted up. And the coulometer, the light on the 13 coulometer would not stay on. You had to hold the 14 button on the coulometer, the light on the 15 coulometer, it would stay on ten, fifteen seconds 16 type thing. So you could position it, it would go 17 out. You would have to hold on with one thumb and 18 have to move it.

19 REBECCA McFADDEN: You mean they didn't have20 duct tape holding it down?

21 CLARK ELDREDGE: At least they had to hold it 22 in position. That was good. But getting it lined 23 up was the problem.

24 The other thing, we're currently involved with 25 rule development for a security scanner. This was

part of statutes we passed a couple, passed a couple years ago. And one part of our statute says, you know, developing -- talks about explaining the justification of why you think you should be x-raying people to look for things hidden in and on them.

7 And that's something that when IASCORS, the Inner Agency Steering Commission on Radiation 8 9 Standards came out with their guidance in 2008, they 10 basically said, we're not going to touch that. 11 Here's how you do the -- here's what you should do to set up a program, but we're not going to tell you 12 13 how to justify, why it's a good or bad idea to x-ray 14 people to look for things in them.

15 And then the ANSI HPS standard N43.17, 2009, 16 which we've adopted rules for security scanners for 17 inmates, it also says this is how you operate the 18 equipment, but does not go into any justification of 19 why -- what's the cost benefit analysis for doing it; that type of thing. Because, of course, all the 20 21 rest of the human exposures in the medical field and 22 where it's taking the assumption that the medical 23 professional has determined that there was medically 24 valid, the beneficial information outweighs the risk 25 from the exposure.

1 So that was that group. And that was my two 2 added things that I missed from the other two 3 updates.

4 If anybody has any inspiration on --

5 (Laughter)

6 CLARK ELDREDGE: -- risk weighting, we've got 7 some really rough stuff at this point. But when I 8 went and contacted the EPPI group, and then the 9 health, some public health graduate school and their 10 toxicology folks and their EPPI folks and was 11 referred to another professor at another college who 12 does all hazards evaluations, they said, oh, that's an interesting question. Have fun. 13

14 (Laughter)

15 CLARK ELDREDGE: Yes, you can let me know if 16 you have any inspiration or know somebody who might 17 have some, because while we all are, all the physics 18 folks in here can look and say, okay, I can take, 19 you know, UNSCEARs or IAEAs or others risk of cancer 20 from what dose using LNT, that's one side of the 21 equation. The other side of the standard is what do 22 we expect for them to say. Here's how I'm balancing 23 the risk on my side to compare about the cancer risk 24 in their, you know, versus how many people I plan to 25 expose at what dose. That's it. We've got one

1 side, the other one is the --

2 NICHOLAS PLAXTON: You think it would be, 3 sounds like it would be easy because you could -- I 4 mean, the idea is let's stop drugs and weapons 5 coming in to the prison, so you can imagine, I'm 6 sure they have stats on how many people get --7 CLARK ELDREDGE: Right. They just have to 8 provide that and show data. 9 RANDY SCHENKMAN: For the safety. 10 CLARK ELDREDGE: The prisons isn't the hard 11 one. 12 NICHOLAS PLAXTON: Okay. CLARK ELDREDGE: Or the prisoners going in to 13 14 the people. They're asking, of course, we want to 15 x-ray anybody walking across the --16 NICHOLAS PLAXTON: Threshold. 17 CLARK ELDREDGE: -- threshold, whether they're visitors or employees or things like that and that's 18 19 where it gets a little different because they're not personally, usually personally at risk, because the 20 21 prison just doesn't have one security line. I mean, 22 because you've got the inner sanctum, so to speak, 23 the center part, where everybody is in their cells 24 and whatnot; then you've got a couple buffer areas involved. 25

1 RANDY SCHENKMAN: Yeah, but you could say it's 2 for the safety of everyone in the building. 3 NICHOLAS PLAXTON: I mean --4 RANDY SCHENKMAN: That's what it is. That's 5 why you're doing it. CLARK ELDREDGE: Well, you're also saying we're 6 7 going to provide you -- we're going to increase your risk to offset the other risk for these other 8 people. And so, are you actually receiving any 9 10 particular dose? The statute actually links it to 11 the individual's risk, not just the group risk. The

12 statute actually says --

13 CHANTEL CORBETT: Even in the hospital prison
14 units, you have to go through the x-ray units.

15 CLARK ELDREDGE: Excuse me?

16 CHANTEL CORBETT: They have metal detectors and 17 x-ray units that they're wanting to put in some of 18 the prison units and some of the hospitals.

19 CLARK ELDREDGE: Okay. Yeah. That's --

20 CHANTEL CORBETT: Yeah, because they're offsite21 from the prison, itself.

22 CLARK ELDREDGE: Yeah. And how much is that 23 needed there versus when they come back, when they 24 come back to the prison --

25 CHANTEL CORBETT: Yeah.

1 REBECCA McFADDEN: -- with cancer.

CLARK ELDREDGE: Yeah. There's plenty of data
how many people behind bars actually get hurt by all
these things. That's pretty straightforward.

5 NICHOLAS PLAXTON: Sure.

6 CLARK ELDREDGE: But then the question is the
7 risk for the ancillary folks involved with it.
8 REBECCA McFADDEN: Right.

9 CLARK ELDREDGE: And you know, there is, there 10 is something to be said about -- for the benefit of 11 society as a whole. But the statute actually says 12 everybody has to have their individual benefit as 13 well, not just the societal benefit.

14 NICHOLAS PLAXTON: You can imagine there's got 15 to be some, like, inmate attacks on some of the 16 security in those places. But they also, I mean, 17 sometimes the security people are involved in

18 trafficking --

19 CLARK ELDREDGE: Right.

20 NICHOLAS PLAXTON: -- of drugs and weapons, 21 which that's probably why they don't want it to be 22 involved.

23 RANDY SCHENKMAN: There's visitors bringing24 drugs and weapons in.

25 NICHOLAS PLAXTON: Exactly.

1 CLARK ELDREDGE: Right. Visitors, they're 2 still, if they're interacting with the guards, with 3 the inmates together, is still another layer, the 4 inmate has to go out of the building and back in. 5 You can scan the inmate when they cross their threshold rather than the visitors coming in. 6 7 CHANTEL CORBETT: Yeah, but that's like no 8 visitors trying to bring prisoners something. 9 RANDY SCHENKMAN: Have any of the visitors ever 10 attacked any of the security guards? 11 CHANTEL CORBETT: Oh, I can guarantee that's 12 happened. 13 CLARK ELDREDGE: That's what they need to 14 demonstrate. 15 CHANTEL CORBETT: State prison? Yeah. 16 CLARK ELDREDGE: And were they hurt by their 17 activities? Of course they were. Yeah, demonstrate 18 the data. That's what we're working on. How to 19 best demonstrate the data. So you've got data and 20 not just want to do it. You actually thought it 21 through. Some states have adopted standards and say 22 you have to demonstrate why none of the other 23 security methods will work for what you want to 24 achieve, which is a slightly different standard. 25 But that would probably also be part of the

overall structure, is first why must it be this method? Show us why. And then second, you know, give us the data and what the risks are, what's actually happening, to show that there is something you're actually trying to prevent. And it's going to give a safety benefit, life safety benefit to everybody.

8 NICHOLAS PLAXTON: A cavity search versus scan.
9 Cavity, might as well scan.

10 CLARK ELDREDGE: That's the other consideration 11 of efficiency and personal --

12 WILLIAM ATHERTON: It seems like if that was a 13 choice offered, that would eliminate a lot of the 14 ethical things, if we give them a choice.

15 CLARK ELDREDGE: And the fact if you're -- if 16 there's -- with the x-ray, the difference between 17 that and a lot of other technologies, it's able to 18 look into the body cavities. And so, if it's, you 19 know, are your controls such that somebody can 20 remove something from a body cavity, hand it to the 21 person next to them, and have them insert it into a 22 body cavity so they can go across the security line. 23 What's the controls for that? How obvious, you 24 know, versus, I'm going to take something off my 25 body, out of my neck, hand it to this person.

1 They're going to stick it in their clothing and 2 stick it through. You don't need an x-ray for that. 3 You've got plenty of other technologies that can do 4 a search of the -- between the skin and the clothing 5 that doesn't require transmission of x-rays and it 6 dose internal organs.

7 RANDY SCHENKMAN: They've got to get the info.
8 CLARK ELDREDGE: Yep.

9 RANDY SCHENKMAN: Okay. Brenda? Are you 10 ready?

11 BRENDA ANDREWS: I am.

12 RANDY SCHENKMAN: Okay.

BRENDA ANDREWS: Since we've already started working with the travel documents, did everybody turn theirs in to me? I got some of them before we went to lunch. If you have not turned yours in to me and you have any questions, ask me your questions now so we can go ahead and get those picked up.

Some of them were completed because generally, you have ground transportation and there aren't any receipts. So I went ahead and this time, did a reimbursement so that it would speed up the process of getting your refund checks or reimbursement checks. The others were the signature pages where I am waiting for receipts and those types of things

and then I'll fill the reimbursement out once I get
 everything in.

3 So if anybody has anything to turn in to me, 4 signed, go ahead and do that now. And that way, I 5 can get that process going when I get back.

6 The other part of my update was the vacancies 7 for the Council. We have more vacancies right now 8 than we've had in guite a while. I think the last 9 time we had about six, which was guite a few at one 10 We now have seven. And that would be the time. 11 basic x-ray machine operator. Mark Wroblewski was 12 in that position before. Now he works for the 13 Department of Health, so he would have a conflict of 14 being on the Council.

So we have, in all of these, done a lot of due diligence to get the societies to send in nominees. And in some cases, we have been successful. And in other cases, we have not. I think I started with the one that Walser was in back in '21 and I still do not have a nominee for that position.

If you have any ideas or suggestions, I'm open.
CHANTEL CORBETT: Which position was that?
BRENDA ANDREWS: That was the lay position.

24 That lone title.

25 I also have in your packets, an updated list of

all the Council members and showing all the
 vacancies, so you'll be able to see whose positions
 are vacant.

Now, four of the positions, we have an
appointment package that's going through right now
and it's in another stage. Since we talked this
morning, it has moved. It is now with the chief of
staff.

9 So that was the certified health physicist, 10 which is Adam Weaver. We put a package through to 11 reappoint him. The environmental radiation, 12 environmental radiation matters expert, Joe Danek, 13 we put his name in again to -- for the appointment. 14 We have the Board Certified Radiologic Physicist, 15 which is the one Mark Setton is in, and he has 16 reapplied for that position as well.

And then the last one we have a nominee for is the Board Certified Podiatrist, and that person is Dr. Luis Rodriguez with Barry University. So we're hoping to get that package completed within the next week or two, if we keep our fingers crossed, and get these people on board.

The other ones are, like I said, the lay person or the person who's never been certified as a radiologic technologist or been a member of any

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1 closely related profession. Matthew Walser was in 2 that one. And then we have the basic x-ray machine 3 operator or a licensed practitioner who employs 4 same. That's the one I just mentioned that Mark 5 Wroblewski was in. And then after that, let's see. 6 JAMES FUTCH: Radiologist assistant. 7 BRENDA ANDREWS: Radiologist assistant. Do I 8 have that in here? 9 CHANTEL CORBETT: So there should be two, like, 10 lay persons. 11 JAMES FUTCH: Yeah. The other one --12 BRENDA ANDREWS: Yes. 13 CHANTEL CORBETT: Okav. 14 JAMES FUTCH: The other one we have a 15 physician, Dr. Armand Cognetta from Tallahassee is 16 the dermatologist that is doing the radiation 17 therapy for, for skin cancer. 18 CHANTEL CORBETT: Skin, yeah. 19 JAMES FUTCH: And he has not been at the 20 meetings for a while. We're not really sure if 21 he's -- we don't really know if he wants to continue to serve, but he hasn't been at a few of the 22 23 meetings. So there's a potential for another one 24 that's currently filled. So we've tried some 25 different things. On the basic operator, that's

1 always a tough one. We most recently tried the 2 chiropractic associations with Dontavia's boss' help 3 because she licenses the chiropractors, because so 4 many of the chiropractors use the basics or were 5 basics back when you couldn't take the chiropractic 6 exam any time you wanted to. And it can be a 7 physician who employs one, so, you know, it could 8 really be either one. No help so far.

9 So if you know of anybody who's a doc who 10 employs a basic or basics, themselves, you know, let 11 us know.

12 The certified radiologist assistant, George 13 knew of a person and I can't remember what happened 14 to that one. Did they not respond?

BRENDA ANDREWS: We got a response from them.
They did not support or endorse the person that
George gave us.

18 JAMES FUTCH: Was that FRS?

BRENDA ANDREWS: FRS and they nominated someone
else. But the person they nominated did not meet
the qualifications.

JAMES FUTCH: Was it a radiologist assistant?BRENDA ANDREWS: Technologist.

24 JAMES FUTCH: They turned out to be a tech and 25 not a radiologic assistant.

1 BRENDA ANDREWS: Not an assistant. Thev 2 recognized, when they got the letter, that they did 3 not qualify for it. So we reached back out to them 4 for them to give us another nominee or endorse the 5 person. We put the language in there up to them but 6 they did not take the bite -- the bait. Whatever 7 you call it.

JAMES FUTCH: I don't think they realize how
few licensed radiologic assistants --

10 CHANTEL CORBETT: Can we give them the Excel 11 list?

BRENDA ANDREWS: James thought ahead and he gave me the list and that second time around, we gave them the list. So I have not heard. And it's been about three weeks now since I gave them that, that information, and asked them to suggest someone else. So we're still waiting.

JAMES FUTCH: Thirty-five active licenses.
Something like that. Not 350 -- 35.

20 BRENDA ANDREWS: Yeah. So we're having, I'm 21 not sure, it almost seems likes it's falling in line 22 with everything else in this day and time, where 23 people don't respond. But we're going to keep 24 trying and pushing to get either nominees or 25 suggestions or, you know, of someone gualified for

1

those positions so we can get them filled.

At least those four, we should -- we will have them filled, providing everything goes through and everything is approved, long before our next meeting. And when that happens, I'll send out updated lists.

7 JAMES FUTCH: On the position, two positions 8 that Brenda calls the lay positions, the ones that 9 can't have been a Rad Tech or a closely related 10 profession, Matt Walser was a physician assistant 11 and that's why he went to the physician assistant 12 group. We also tried the nurse practitioners this 13 time. And I think their thinking is Matt -- the 14 lawyers look at the closely related profession. 15 What's a closely related profession. Well 16 apparently, it's not a dermatologist who does 17 radiation therapy or a physician assistant who may 18 do fluoro or something else for a radiologist who's, 19 who's, you know, in the practice.

20 So I think it's safe to say if you know of any 21 PA or a nurse practitioner in your facilities, and 22 either your facility would like to nominate them or 23 even better, if the society upon which the facility 24 or yourself or part would like to nominate them, 25 please let us know.

BRENDA ANDREWS: Yes. You can e-mail me. 1 Copy 2 James, either way, so we can go ahead, because that 3 person has to complete the online DOH questionnaire 4 and submit it. A resume'. And if you find someone 5 that's interested, you can ask them even at that 6 time, to go ahead and give you, to give you their 7 resume' and get that to us and we can go ahead and 8 start the process to get them on board.

9 In the questionnaire, we do look at their 10 references and we do call the references. James 11 does all of that. And he does have conversations 12 with that person. So it's a lot of people. It's a 13 lot of positions to be vacant right now.

14 CHANTEL CORBETT: How many basic operators are 15 active?

16JAMES FUTCH: Probably between 2 and 3,000.17Those numbers have been decreasing as the --

18 CHANTEL CORBETT: That's still more than what I 19 thought.

20 JAMES FUTCH: It used to be, like, 4,000 or 21 something like that.

22 WILLIAM ATHERTON: Which society did you reach 23 out to? FCA?

24 JAMES FUTCH: For?

25 WILLIAM ATHERTON: Chiropractic, to look at

1 those.

2 JAMES FUTCH: We kind of left it up to 3 Dontavia.

WILLIAM ATHERTON: I was going to say there's
multiple.

6 JAMES FUTCH: Feel free. Feel free because I 7 mean, it hasn't worked. So -- if anybody has any 8 other ideas, you could put anybody in the position. 9 But the problem with that is, most people don't care 10 about the Advisory Council on Radiation Protection, 11 so they have to have some kind of connection to 12 actually want to do it.

BRENDA ANDREWS: So that was, that was one of the main things. And then also in your package is, during this time, we usually vote for the next Council meeting for the fall. And so I put calendars in there so we can make those discussions with September through December as the months we're looking at.

20 WILLIAM ATHERTON: November 23rd. That's21 Thanksgiving. I was just kidding.

JAMES FUTCH: So the usual timeframe is the second or third week of September, somewhere along in there. This one is an interesting one because September is ending on a Saturday and October is

1 starting on a Sunday. Usually we have a little bit 2 of crossover into the last week of September; has 3 something to do with the first week of October. I 4 only say that because that's the week that I'm at a 5 timeshare. I need to be somewhere else. 6 CHANTEL CORBETT: What week did you not want to 7 do? 8 JAMES FUTCH: That's a good question. Which 9 week is the 39th? What week of the year, according 10 to timeshare world. I have to go figure that out. 11 RANDY SCHENKMAN: You do or don't want to do it 12 at the end? JAMES FUTCH: I would say the week of the 18th 13 14 would be okay. 15 BRENDA ANDREWS: September? 16 JAMES FUTCH: Yeah. We can do it. 17 CHANTEL CORBETT: That would be the last week 18 of September would be the 39th week. 19 JAMES FUTCH: So that would be the one to avoid 20 for sure. 21 WILLIAM ATHERTON: Yeah, September 26. 22 CHANTEL CORBETT: You want Tuesday or Thursday? 23 RANDY SCHENKMAN: Tuesday, the 19th, would 24 probably be better for me. 25 JAMES FUTCH: It's up to you guys.

CHANTEL CORBETT: I was going to say the 19th
 or 21st.
 RANDY SCHENKMAN: The 19th would probably be
 better for me. I'm not going to be here the 21st.
 REBECCA McFADDEN: September 19th.

RANDY SCHENKMAN: Is September 19th good for
everybody?

8 JENNIFER PETERSON: Yes.

9 KATHLEEN DROTAR: Yes.

10 RANDY SCHENKMAN: Okay. So why don't we go for11 September 19th.

12 KATHLEEN DROTAR: Sounds good.

13 BRENDA ANDREWS: That was easy.

14 RANDY SCHENKMAN: Okay?

BRENDA ANDREWS: And, of course, you know, I
will check with the hotel here to make sure that

17 date is available here so that we can have it here

again. It seems to work out for everybody very

19 well.

20 RANDY SCHENKMAN: Mm-hmm.

21 BRENDA ANDREWS: So if that date is not 22 available, I will let you know immediately. Is 23 there a second date you want to choose in case that

24 one is not available?

25 KATHLEEN DROTAR: Do we need to go to October?

1 NICHOLAS PLAXTON: National Good Neighbor Day? 2 CHANTEL CORBETT: How about the 12th, the week 3 before? 4 RANDY SCHENKMAN: You think you're going to be 5 away the end of September? 6 WILLIAM ATHERTON: His starts the 27th. 7 REBECCA McFADDEN: Maybe that Thursday, the 8 21st. 9 KATHLEEN DROTAR: She's away. Randy's away. 10 CHANTEL CORBETT: She was saying the 21st she's 11 not available. 12 REBECCA McFADDEN: The 14th then? 13 KATHLEEN DROTAR: Do we need to go to October 14 for a second date? 15 RANDY SCHENKMAN: Do you want to go into 16 October? 17 BRENDA ANDREWS: I'm going to check with 18 Summerlin right now to see if that date is open. 19 RANDY SCHENKMAN: Okay. While you're doing 20 that, do we have any old business to go over? (No Response) 21 22 RANDY SCHENKMAN: Anybody have anything? Okay. 23 Well then, as soon as we find out -- they usually 24 get right back to you? 25 BRENDA ANDREWS: Depends. If they're right

there in their office. I know that Summerlin, I sent it to Carlos as well as Summerlin. So one of them may be able to --

4 RANDY SCHENKMAN: Are they right here? 5 BRENDA ANDREWS: They are at the Hilton. They are located across the street at the Hilton. 6 7 CLARK ELDREDGE: The guy at his office is here. 8 BRENDA ANDREWS: That was Eric. He's not part 9 of it. Well, he could be. I could find out. I 10 don't have his information. I have not dealt with 11 Eric at all. I'm not sure what part of it he's 12 involved in. Let me look his number up. 13 (Stood at Ease) 14 CHANTEL CORBETT: Should we have an official 15 adjournment with an e-mail follow up on date? 16 WILLIAM ATHERTON: We're asking if we can be 17 excused, mom. 18 RANDY SCHENKMAN: Okay. Well, thank you 19 everyone, for coming and the meeting is adjourned. 20 (Proceedings concluded at 2:55 p.m.) 21 22 23 24

25

1	CERTIFICATE OF REPORTER
2	STATE OF FLORIDA:
3	COUNTY OF ORANGE:
4	
5	I, Rita G. Meyer, RDR, CRR, CRC, do hereby certify
6	that I was authorized to and did stenographically report
7	the foregoing proceedings and that the foregoing
8	transcript is a true and correct record of my
9	stenographic notes.
10	I further certify that I am not a relative,
11	employee, attorney or counsel of any of the parties, nor
12	am I a relative or employee of any of the parties,
13	attorneys or counsel connected with the action, nor am i
14	financially interested in the outcome of the action.
15	Dated this 5th day of June, 2023.
16	Dated this Jth day of June, 2023.
17	
18	The Auger
19	RITA G. MEYER, RDR, CRR, CRC
20	
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