

MEETING OF THE
ADVISORY COMMITTEE ON THE MEDICAL USES OF ISOTOPES

April 20-21, 2026

MEETING SUMMARY

PURPOSE

To discuss issues related to the implementation of the medical regulations in Title 10 of the *Code of Federal Regulations* (10 CFR) Part 35, "Medical Use of Byproduct Material."

OUTCOME

The Advisory Committee on the Medical Uses of Isotopes (ACMUI) made recommendations, and the U.S Nuclear Regulatory Commission (NRC) staff gained a better understanding of the views and opinions of the ACMUI, as well as other stakeholders' views and opinions. The NRC staff will consider these views in its continuing effort to make 10 CFR Part 35 more useful, practical, and not overly burdensome on licensees, while maintaining public health and safety.

Full transcripts and handouts from the ACMUI meeting can be found on the NRC's ACMUI Meetings webpage, located at: <https://www.nrc.gov/reading-rm/doc-collections/acmui/meetings/>. The meeting attendees are listed in Enclosure 1.

RECOMMENDATIONS AND ACTIONS

The following provides a summary of the discussions that took place on the topics on the ACMUI meeting agenda (Enclosure 2).

The ACMUI endorsed the following subcommittee reports. These reports and its recommendations can be viewed, in their entirety, on the NRC's ACMUI Subcommittee Reports webpage, located at the following link: <https://www.nrc.gov/reading-rm/doc-collections/acmui/reports/index.html>.

The ACMUI unanimously endorsed the report from the Subcommittee on ACMUI Medical Events, as amended, with changes presented in the meeting.

The ACMUI unanimously endorsed the report from the Subcommittee on Giving Advice on ADVANCE Act of July 2024 Mission Statement, as presented.

The ACMUI endorsed the report from the Subcommittee on Alpha Nuclides in Radiopharmaceutical Therapy, as amended, with changes presented in the meeting. There was one dissenting opinion submitted by one of the members which is included in the final report.

The ACMUI endorsed the report from the Subcommittee on Potential AI Deep Learning Applications for NRC Medical Enterprise, as amended, with changes presented in the meeting.

The ACMUI unanimously endorsed the report from the Subcommittee on ACMUI Generic Reporting Process, as presented.

The ACMUI endorsed the report from the Subcommittee on Membership of an Interventional Radiologist, as presented. There was one opposing viewpoint submitted by one of the members which is included in the final report.

The ACMUI unanimously endorsed the report from the Subcommittee on Modernizing Requirements Relating to Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material Rulemaking, as presented.

The following actions resulted from discussion that took place during the meeting.

The ACMUI agreed that the current structure of reporting to the Office of Nuclear Material Safety and Safeguards continues to function effectively, and the meeting frequency is well-suited for the workload of the Committee.

Dr. Hossein Jadvar (ACMUI Chair) formed a subcommittee on Radiopharmaceutical Production and Distribution Safety. The subcommittee's membership includes Mr. Richard Green (as chair), Dr. Hossein Jadvar, Dr. Joanna Fair, Dr. Micheal Folkert, Dr. Richard Harvey, and Mr. Josh Mailman.

The ACMUI unanimously voted to schedule the fall 2026 meeting for October 26 - 27, 2026.

Enclosures:

1. Meeting Attendees
2. Meeting Agenda

MEETING ATTENDEES

April 20-21, 2026

ADVISORY COMMITTEE ON THE MEDICAL USES OF ISOTOPES

Hossein Jadvar, MD, PhD	Chair
Richard Green	Vice Chair
Richard Harvey, DrPh	Member
Melissa Martin	Member
Zoubir Ouhib	Member
Megan Shober	Member
Harvey B. Wolkov, MD	Member
Andrew Einstein, MD	Member
Michael R. Folkert, MD, PhD	Member
Joanna R. Fair, MD, PhD	Member
Michael O'Hara, PhD	Member
Josh Mailman	Member
John F. Angle, MD	Consultant to the Committee

NRC STAFF

Dafna Silberfeld	Acting Director, Division of Materials Safety, Security, State, and Tribal Programs (MSST)
Celimar Valentin Rodriguez	Acting Deputy Director, Division of Materials Safety, Security, State, and Tribal Programs (MSST)
Christian Einberg	Chief, Medical Safety and Events Assessment Branch (MSEB) and Designated Federal Officer
Ally Marra	NMSS/MSST/MSEB
Sarah Hoenig	NMSS/MSST/MSEB
Daniel Dimarco	NMSS/MSST/MSEB
Daniel Shaw	NMSS/MSST/MSEB
Sarah Spence	NMSS/MSST/MSEB
Katherine Tapp	NMSS/MSST/MSEB

Logan Allen	NMSS/MSST/MSEB
Maryann Ayoade	NMSS/MSST/MSEB
Andrew Carrera	NMSS/REFS/MRPB
Anita Gray	NMSS/MSST/SMPB
Sandra Walker	ACRS/PMDA
Mikhail Pellegrino	OGC/LHE/MFW
Brian Allen	RES/DSA/RPB
Ryan Stolt	NMSS/MSST/MSLB
Emma Duncan	OGC/LRAA/RASFP
Elizabeth Tindle-Engelmann	R-III/DRSS/MIB
Mary Casto	R-III/DRSS/MIB
Irene Wu	NMSS/REFS/MRPB
Taylor Lamb	RES/DSA/AAB
Matthew Dennis	RES/DSA/AAB
Amy Sharp	RES/DSA/AAB

PUBLIC PARTICIPANTS

Manny Siskind
Ralph Lieto
Lynne Fairobent
Ira Goldman
Sandy Gabriel
Miguel de La Guardia
Andy Miller
Cari Borrás
Lisa Bruedigan
Mark Wilson

Ralph Lieto

Ben Brooks

Willie Regits

John "Kevin" Mullins

Shresta Beledé

Ian Irvin

Cathey Rivers

Cindy Tomlinson

Ryan T. Mckenzie

Kevin Tello

Ashley T Tao

Amber L. Schmidt

Claire Drozd

Rebecca Grabarkewitz

Jessica Clements

William White

Kendall E Berry

Joseph Kidder

Michael Peters

Sean Chapel

Bruce Carroll

Cami Still

Lindsay Robbins

Sarah Hughes

Ashley Cockerham

Daniel Gomez Cardona

Jennifer Gersman

Jason Rusch

James J. Cramb

Julie Finegan

Jessica Rodgers

Erin Bowman

Mikeely R Taylan

Richard Peros

Michael Welling

Matthew Hadden

Zach Lewis

Julia Bellinger

Jeffrey S Mason

Ariel Doucet

Kevin Kunder

Mike Drelich

David Bierman

Matthew Williamson

Michael Bellamy

Brian Quinn

Alisha Mahin

Akin Ogretici

Louie Cueva

Jason D. Hout

Simon Morrow

Emma Anderson

Trenton L. Mays

Christine Dobert

Emily A Brower

Thomas Forland

Georgia Lawrence
Heather M. Thomas
Pat Zanzonico
Evan J. Boote
Daniel Chiappetta
Olusegun Akano Larinde
Carlie Jenney
Sarah E. Lamson
Andrew M Polemi
Kathleen Hintenlang
Colin Quinn
Robert Golduber
Daniel Galla
Tianliang Gu
Jonathan, J. Otten
Taylor Brown
Michelle A. Delgado
Lynne Fairobent
Deric Tilson
Danielle Hjelm
Christopher M Helstern
Kathi Haldeman
Ching Mei Feng
Laura Cook
Kevin M. Madagan
Diana Thompson
Matt Wait
William Hinchcliffe

Joyce L Petersen

Mark D Paulson

Shanaz Ghandhi

Boris G Tsenov

Ryan J. Toolin

Neil Babcock

Tara Medich

Michelle Mathy

MEETING AGENDA
ADVISORY COMMITTEE ON THE MEDICAL USES OF ISOTOPES
April 20 – 21 2026

Two White Flint North Building, 11545 Rockville Pike, Advisory Committee on Reactor Safeguards (ACRS) conference room North Bethesda, Maryland 20852

NOTE: Sessions of the meeting may be closed pursuant to 5 U.S.C. 552(b) to discuss organizational and personnel matters that relate solely to internal personnel rules and practices of the ACMUI; information the release of which would constitute a clearly unwarranted invasion of personal privacy; information the premature disclosure of which would be likely to significantly frustrate implementation of a proposed agency action; and disclosure of information which would risk circumvention of an agency regulation or statute.

Monday, April 20, 2026 OPEN SESSION		
9:00 – 9:10	1. Opening Remarks Mr. Einberg will formally open the meeting, and Ms. Silberfeld will provide opening remarks.	C. Einberg, NRC D. Silberfeld, NRC
9:10 – 9:20	2. Old Business Dr. Tapp will review past ACMUI recommendations and provide NRC responses.	K. Tapp, NRC
9:20 – 9:40	3. Open Forum The ACMUI will identify medical topics of interest for further discussion.	ACMUI
9:30 – 10:15	4. Medical Events Dr. Harvey will provide an update on recent medical events.	R. Harvey, ACMUI
10:15 – 10:30	BREAK	
10:30 – 11:15	5. Giving Advice on ADVANCE Act of July 2024 Mission Statement Dr. Harvey will discuss the subcommittee's recommendations and advice to support the Nuclear Regulatory Commission's (NRC) implementation of the ADVANCE Act.	R. Harvey, ACMUI
11:15 – 11:45	6. Alpha Guidance Memo Review Subcommittee Mr. Green will discuss the subcommittee's recommendations on the staff's memo for licensing the use of alpha nuclides in radiopharmaceutical therapy.	R. Green, ACMUI
11:45 – 1:00	LUNCH	
1:00 – 1:45	7. Potential AI Deep Learning Applications for NRC Medical Enterprise Dr. Einstein will discuss the subcommittee's recommendations on the potential applications of artificial intelligence (AI) and deep learning technologies to enhance	A. Einstein, ACMUI

	the efficiency and effectiveness of the Nuclear Regulatory Commission's (NRC) medical staff and ACMUI.	
1:45 – 2:15	<p>8. ACMUI Generic Reporting Process</p> <p>Mrs. Shober will discuss the recommended best practices for the preparation of reports, including guidance on writing subcommittee reports and developing effective presentations, including Commission presentations.</p>	M. Shober, ACMUI
2:15 – 3:00	<p>9. Membership of an Interventional Radiologist</p> <p>Dr. Einstein will discuss the subcommittee's assessment of ACMUI membership to determine if the ACMUI would like to propose a change in membership to include an interventional radiologist</p>	A. Einstein, ACMUI
3:00 – 3:15	BREAK	
3:15 – 4:00	<p>10. Tentative: Subcommittee on Modernizing Requirements Relating to Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material Rulemaking</p> <p>Dr. Harvey will discuss the subcommittee's review and recommendations regarding staff's proposed rulemaking on modernizing requirements relating to physical protection of category 1 and category 2 quantities of radioactive material rulemaking. (Tentative depending on if proposed rulemaking package is available for public comment during the meeting)</p>	R. Harvey, ACMUI
4:00 – 4:15	<p>11. Special Recognition for Ms. Shober</p> <p>Ms. Silberfeld will make a special presentation to Ms. Shober.</p>	D. Silberfeld, NRC
4:15 – 4:30	<p>12. ACMUI Reflections</p> <p>Ms. Shober will share her thoughts on leaving the ACMUI.</p>	S. Shober
4:30 – 5:00	<p>13. NRC Medical Radiation Safety Team Updates</p> <p>Dr. Tapp will provide an update on the NRC's activities impacting licensing and oversight of medical use of byproduct materials.</p>	K. Tapp, NRC
Break for Day		

Tuesday, April 21, 2026		
Open Session		
10:00 – 12:00	<p>14. Commission Meeting with the ACMUI</p> <p>The ACMUI will brief the Commission on various topics in a public meeting in the Commissioners Hearing room.</p>	ACMUI
	<p>15. Group Photo</p> <p>The ACMUI will take a group photo with and without the Commission.</p>	ACMUI

12:00 – 12:30	Break	
12:30 – 1:00	16. Open Forum	ACMUI
1:00 – 1:15	<p>17. ACMUI Reporting Structure and Administrative Closing</p> <p>Ms. Hoenig will provide an overview of the current reporting structure. Members will discuss the reporting structure of the Committee and provide feedback to the NRC. Mrs. Hoenig will also provide a meeting summary and propose dates for the fall 2026 meeting.</p>	S. Hoenig, NRC