

TELECONFERENCE MEETING OF THE
ADVISORY COMMITTEE ON THE MEDICAL
USES OF ISOTOPES

June 10, 2019

MEETING SUMMARY

PURPOSE

To discuss the Advisory Committee on the Medical Uses of Isotopes (ACMUI) proposed amended Bylaws and the Regulatory Guide 8.39 Subcommittee's draft report on the recommendations for Phase 1 of the draft proposed revision to Regulatory Guide 8.39, Revision 1, "Release of Patients Administered Radioactive Material."

OUTCOME

The ACMUI Regulatory Guide 8.39 Subcommittee provided a draft report for discussion with the full Committee. Subcommittee members included: Dr. Vasken Dilsizian, Ms. Melissa Martin, Dr. A. Robert Schleipman, Mr. Michael Sheetz (Chair), Ms. Megan Shoher, and Ms. Laura Weil. The NRC staff gained a better understanding of the views and opinions of the Committee. The NRC staff will consider the Committee's comments in its development of Phase 1 of the draft proposed Regulatory Guide 8.39, which will be published for public comment in the near future.

A full transcript and handout for the ACMUI teleconference meeting can be found on the NRC's public web site at: <http://www.nrc.gov/reading-rm/doc-collections/acmui/meetings/>.

The ACMUI Subcommittee final report is also available on the NRC's public web site at: <http://www.nrc.gov/reading-rm/doc-collections/acmui/reports/>.

AGENDA TOPICS

Discuss the proposed amendments to the ACMUI Bylaws, as discussed and approved at the April 3-4, 2019, ACMUI meeting.

Discuss the ACMUI Regulatory Guide 8.39 Draft Subcommittee Report on the recommendations for Phase 1 of the preliminary draft proposed Regulatory Guide 8.39, Revision 1.

SUMMARY

The ACMUI discussed the proposed amendments to the 2019 Bylaws, with specific changes to Sections 1.3.6 and 4.1, regarding the ACMUI Chair's involvement in subcommittees and conflicts of interest, respectively.

The ACMUI Regulatory Guide 8.39 Subcommittee discussed its draft report, which focused on recommendations on Phase 1 of the draft proposed revision to Regulatory Guide 8.39. In its report, the Subcommittee provided several directed changes pertaining to wording, items of emphasis, and formatting. Other recommendations presented by the Subcommittee include the addition of a Table of Contents; updates to Table 1 and Table 2 to include the new and potential radionuclides used in medicine; update to Table 3 to reflect the radionuclides, activities, and recommended duration of interruption of breastfeeding as contained in the ACMUI

Subcommittee report on “Nursing Mother Guidelines for the Medical Administration of Radioactive Materials, Final Report, January 31, 2019”; and the addition of instructions for evaluation of holding trash to allow for radioactive decay at the landfill.

RECOMMENDATIONS AND ACTIONS

The Regulatory Guide 8.39 Subcommittee provided the following recommendations in its draft subcommittee report:

- 1. The Subcommittee recommends emphasizing in the Patient Precautions and Instructions Sections that the major source of radiation dose to other individuals will be from external exposure from the patient.*
- 2. While there is adequate guidance on the precautions to take to minimize radiation exposure for post mortem activities of a patient who dies after being administered a therapeutic quantity of radioactive material, there is little or no consistent guidance on what retained activity or time period when the precautions should be followed. The Subcommittee recommends that a dose-based model be developed to provide guidance on when precautions or restrictions would be appropriate following the death of a patient administered a therapeutic quantity of radioactive material.*

The draft Regulatory Guide 8.39 Subcommittee Report (ML19143A367), and all its recommendations provided therein, was unanimously approved by the ACMUI during its public teleconference meeting on June 10, 2019. The final report (ML19171A222) will be posted on the ACMUI Subcommittee Reports webpage.

Additionally, the proposed amendments to the ACMUI Bylaws were approved by the ACMUI, with one abstention, during its public teleconference meeting on June 10, 2019. The revised ACMUI Bylaws (ML19184A622) will be posted on the ACMUI webpage.

Enclosures:

1. Meeting Attendees
2. Teleconference Agenda

MEETING ATTENDEES

ACMUI

Christopher J. Palestro, M.D.	Chairman
Darlene F. Metter, M.D.	Vice Chairman
Vasken Dilsizian, M.D.	Member
Richard Green	Member
Melissa Martin	Member
Michael D. O'Hara, M.D.	Member
Zoubir Ouhib	Member
A. Robert Schleipman, PhD	Member
Michael Sheetz	Member
Megan Shoher	Member
Laura Weil	Member
Harvey B. Wolkov, M.D.	Member

NRC

Robert Lewis	Deputy Director, Office of Nuclear Material Safety and Safeguards (NMSS)
Christian Einberg	Chief, Medical Safety and Events Assessment Branch (MSEB)/Designated Federal Officer
Kellee Jamerson	Designated Federal Officer/ACMUI Coordinator/MSEB
Maryann Ayoade	NMSS/MSST/MSEB
Stephanie Bush-Goddard	RES/DSA/RPB
Colleen Casey	R-III/DNMS/MLB
Samantha Crane	OCM/DAW
Said Daibes, Ph.D.	NMSS/MSST/MSEB
Lisa Dimmick	Medical Radiation Safety Team Leader, NMSS/MSST/MSEB
Julie Ezell	OGC/GCHA/AGCNRP
Cassandra Frazier	R-III/DNMS/MLB
Robert Gallagher	R-I/DNMS/MLAB
Sophie Holiday	NMSS/MSST/MSEB
Esther Houseman	OGC/GCLR/RMR
Donna-Beth Howe, Ph.D.	NMSS/MSST/MSEB
Cynthia Jones	OCM/AXC
Harriet Karagiannis	RES/DE/RGGIB
Sarah Lopas	NMSS/MSST/MSEB
Minh-Thuy Nguyen	RES/DSA/RPB
Patty Pelke	R-III/DNMS/MLB
Halfon Schlom	RES
Vered Shaffer	RES/DSA/RPB
Daniel Strohmeyer	R-III/DNMS/MLB
Katherine Tapp, Ph.D.	NMSS/MSST/MSEB
Alexus Willis	RES/DE/CMB
Irene Wu	NMSS/MSST/MSEB

MEMBERS OF THE PUBLIC

Jaime Barnes	Cook Children's Medical Center
Roland Benke	Renaissance Code Development, LLC
Kendall Berry	Fox Chase Cancer Center
Janice Campbell	Beaumont Health
Peter Crane	Unaffiliated
David Crowley	North Carolina Department of Health and Human Services, Radiation Protection Section
Brian Erasmus	British Technology Group
Sandy Gabriel	Unaffiliated
Bennett Greenspan, M.D.	Society of Nuclear Medicine and Molecular Imaging (SNMMI)
Miguel de la Guardia	Cook Children's Medical Center
David Hamby	Renaissance Code Development, LLC
Alan Jackson	Henry Ford Health System
Brandon Juran	Minnesota Radioactive Materials Unit
Linda Kroger	University of California at Davis
Tyler Kruse	Minnesota Radioactive Materials Unit
Alexis LaViolette	Boston Children's Hospital, Harvard Medical School
Ralph Lieto	St. Joseph Mercy Health System
Terry Lindley	University of Cincinnati
Cindi Luckett-Gilbert	Unaffiliated
Carol Marcus, Ph.D, M.D.	University of California at Los Angeles (UCLA)
Richard Martin	American Association of Physicists in Medicine (AAPM)
Candi McDowell	University of Pennsylvania
Chris Mitchell	Kettering Health
Jose Morales, M.D.	Unaffiliated
Michael Peters	American College of Radiology (ACR)
Carmine Plott	Novant Health
Aria Razmaria, M.D.	UCLA Medical Center
Samuel Rhoades, IV	Mercy Health
Gloria Romanelli	ACR
Jeffrey Siegel, Ph.D	Nuclear Physics Enterprises
Eugene Silvestrini	Northwell Health
Andres Sinisterra	UConn Health
Joe Steiner	Henry Ford Health System
Cindy Tomlinson	American Society of Radiation Oncology (ASTRO)
Joseph Wissing	St. Joseph Mercy Health System
Miyuki Yoshida-Hay	Northwell Health
Andrew Zimnoch	Environmental Health and Radiation Safety, University of Pennsylvania

**Advisory Committee on the Medical Uses of Isotopes
TELECONFERENCE AGENDA
Monday, June 10, 2019
2:00 PM – 4:00 PM (ET)**

OPEN SESSION

2:00 pm – 4:00 pm

Discuss the proposed amendments to the Advisory Committee on the Medical Uses of Isotopes Bylaws

Discuss the ACMUI Regulatory Guide 8.39 Draft Subcommittee Report regarding the review and comments on Phase 1 of the preliminary draft proposed Regulatory Guide 8.39, "Release of Patients Administered Radioactive Material."