

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

October 28, 2015

MEETING SUMMARY

PURPOSE

To discuss the Advisory Committee on the Medical Uses of Isotopes (ACMUI) subcommittee report on the ACMUI review of and comments on Petitions for Rulemaking (PRM)-20-28, 20-29, 20-30, "Linear No-Threshold Model and Standards for Protection Against Radiation."

OUTCOME

The subcommittee provided a draft report for discussion with the full Committee. Subcommittee members included: Dr. Philip Alderson (Chair), Dr. Susan Langhorst, Dr. Christopher Palestro, Dr. John Suh, Ms. Laura Weil and Dr. Pat Zanzonico. During the meeting, the Committee unanimously approved the draft report. The U.S. Nuclear Regulatory Commission (NRC) staff gained a better understanding of the views and opinions of the ACMUI. The final report will be submitted to the NRC staff, and the staff will consider the ACMUI's comments in its continuing effort to make Title 10 Code of Federal Regulations (CFR) Part 20, "Standards for Protection Against Radiation" more useful, practical, and not overly burdensome on licensees, while maintaining public health and safety.

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

The draft and final ACMUI Subcommittee report on the Hormesis/Linear No-Threshold Petitions is available on NRC's public website under "ACMUI Subcommittee Reports": <http://www.nrc.gov/reading-rm/doc-collections/acmui/reports/>

AGENDA TOPIC

Discuss the ACMUI Subcommittee Report on the Review and Comments of Petitions for Rulemaking (PRM)-20-28, 20-29, and 20-30, "Linear No-Threshold Model and Standards for Protection Against Radiation."

SUMMARY

The ACMUI Subcommittee evaluated the three PRMs related to radiation Hormesis and the Linear No-Threshold (LNT) dose-response model of radiation carcinogenesis in order to suggest recommendations that the ACMUI should make to the Commission. The subcommittee provided a draft report for the Committee's consideration.

RECOMMENDATIONS AND ACTIONS

The subcommittee discussed the following recommendation in the draft subcommittee report:

The NRC should continue to base the formulation of radiation protection standards in 10 CFR Part 20 on the LNT model until additional scientific evidence becomes available.

The Draft Hormesis/Linear No-Threshold Petitions Subcommittee Report (ML15287A494) was unanimously approved by the full ACMUI. The Final Hormesis/Linear No-Threshold Petitions Report (ML15310A418) is posted on the ACMUI Subcommittee Report Webpage.

Attachments:

List of Attendees

MEETING ATTENDEES

ACMUI

Philip O. Alderson, M.D.	Chairman
Pat B. Zanzonico, Ph.D.	Vice Chairman
Francis M. Costello	Member
Vasken Dilsizian, M.D.	Member
Ronald D. Ennis, M.D.	Member
Steven R. Mattmuller	Member
Michael D. O'Hara, Ph.D.	Member
Christopher J. Palestro, M.D.	Member
John H. Suh, M.D.	Member
Laura M. Weil	Member
Darlene F. Metter, M.D.	Non-Voting Member
Zoubir Ouhib	Non-Voting Member

NRC

Josie Piccone, Ph.D.	Director, Division of Material Safety, State, Tribal and Rulemaking Programs (MSTR)
Douglas Bollock	Branch Chief, Medical Safety and Events Assessment Branch (MSEB) and Designated Federal Officer
Sophie Holiday	Alternate Designated Federal Officer/ACMUI Coordinator
Michael Fuller	Medical Radiation Safety Team Leader
Maryann Abogunde	NMSS
Ashley Cockerham	NMSS
Said Daibes, Ph.D.	NMSS
Anthony Delamotte	NMSS
Sara Forster	RIII
Jeff Griffis	OCHCO
Latischa Hanson	RIV
Vincent Holahan, Ph.D.	NMSS
Esther Houseman	OGC
Donna-Beth Howe, Ph.D.	NMSS
Erin Kennedy	RIII
Penny Lanzisera	RI
Dennis O'Dowd	RIII
Gretchen Rivera-Capella	NMSS

MEMBERS OF THE PUBLIC

Rich Bauman	Oregon Health Authority
Mike Blake	American Nuclear Society
Isabelle Busenitz	Kansas Department of Health and Environment
Jeff Colvin	American Association of Physicists in Medicine (AAPM)
Peter Crane	<i>unaffiliated</i>
Jerry Cuttler	<i>unaffiliated</i>
Victor Diaz	New Mexico Environment Department Radiation Control

Stephen Dragotakes
William Duncan
Chuck Flynn
Sandra Gabriel
Wendy Galbraith
Hilary Haskins
Scott Knishka

Richard Lamboi
Daryl Leon
Sam Leveritt
Marvin Lewis
Richard Martin
Joseph Noble
Judith Schuerman
Michael Sheetz
Jeffrey Siegel
Michael Stabin
David Stephens
Mike Stephens
David Stradinger
Bruce Thomadsen
Cindy Tomlinson
Nicole Traphan
Ed Truskowski

Beth Israel Deaconess Medical Center
Texas Department of State Health Services
Texas Department of State Health Services
International Atomic Energy Agency (IAEA)
University of Oklahoma Health Sciences Center
Oregon Health Authority
University of Wisconsin School of Medicine and Public
Health Radiopharmaceutical Production Facility
Texas Department of State Health Services
Oregon Health Authority
Cardinal Health
unaffiliated
American Association of Physicists in Medicine (AAPM)
Louisiana Department of Environmental Quality
Louisiana Department of Environmental Quality
University of Pittsburgh
Nuclear Physics Enterprises
Vanderbilt University
Arkansas Department of Health
Florida Bureau of Radiation Control
North Dakota Department of Health, Radiation Control
University of Wisconsin
American Society of Radiation Oncology (ASTRO)
Texas Department of State Health Services
New Jersey Department of Environmental Protection