



Overview of ACMUI Activities

Philip O. Alderson, M.D., ACMUI Chairman
ACMUI Commission Meeting
April 27, 2017

Agenda

- Overview of ACMUI Activities
 - ACMUI Purpose
 - Membership
 - ACMUI Topics
 - Present and Future

ACMUI Purpose

- The ACMUI exists to advise the NRC staff, and thus you, the Commission, on policy on medical uses of radionuclides.
- Also, to provide technical assistance and serve as consultants.

Membership Positions

- Health Care Administrator
- Nuclear Medicine Physician
- 2 Radiation Oncologists
- Nuclear Cardiologist
- Diagnostic Radiologist
- 2 Medical Physicists*
- Nuclear Pharmacist*
- Radiation Safety Officer
- Patients' Right Advocate
- Agreement State Representative^
- U.S. FDA Representative

* Pending security clearance

^ Vacant

ACMUI Topics Addressed in Last Year

- T & E requirements for alpha and beta emitters and for all modalities,
- Impact of medical event reporting on safety culture,

ACMUI Topics (Continued)

- Clarification of patient intervention,
- Licensing for radioactive seed localization,
- Ge-68/Ga-68 generator licensing guidance,

ACMUI Topics (Continued)

- Impact of Category 3 sources in medical practice,
- Progress in improving ACMUI internal and external communications.

Current ACMUI Topics

- Continuing discussions:
 - T&E for AUs of all modalities,
 - Medical event reporting for all modalities,
 - Review of medical events,
 - Patient release,

Current ACMUI Topics (Continued)

- Radioactive Seed Localization Licensing Guidance,
- Addressing the decommissioning funding plan requirements for the medical use of Ge-68/Ga-68 generators,
- Leksell Gamma Knife Icon Licensing Guidance,

Current ACMUI Topics (Continued)

- Ways to enhance communications between the NRC staff, the ACMUI, and the medical community.

Present and Future

The ACMUI currently has a number of issues under discussion. As new issues arise, including emerging technologies, we will address and provide advice on aspects relevant to safe handling of radioactive sources.

Acronyms

- **ACMUI** – The Advisory Committee on Medical Uses of Isotopes
- **AUs** – Authorized Users
- **FDA** – The Food and Drug Administration
- **LNT** – Linear-No-Threshold
- **NRC** – U.S. Nuclear Regulatory Commission
- **T&E** – Training and Experience