



Overview of ACMUI Activities

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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**

Some topics addressed by the ACMUI in the last year

- **Refining some aspects of the 10 CFR Part 35 Rulemaking, including NUREG-1556, Vol. 9,**
- **Revising the NRC's Abnormal Occurrence Criteria as the criteria relate to medical events,**

ACMUI Topics (Continued)

- **Medical events, for all medical applications with particular attention to those involving yttrium-90-labeled microspheres,**
- **The T&E requirements for 10 CFR 35.390 AUs of Alpha and Beta Emitters,**

ACMUI Topics (Continued)

- **Revisions to the NRC's Radioactive Seed Localization licensing guidance,**
- **The decommissioning funding plan requirements for the medical use of Ge-68/Ga-68 generators,**

ACMUI Topics (Continued)

- **Clarification of the term “patient intervention” , and**
- **Review and consideration of three Petitions for Rulemaking related to the LNT Model and Standards for Protections Against Radiation.**

Current ACMUI Topics

- **Continuing discussions involved:**
 - **Patient release**
 - **Review of medical events**
 - **Medical event reporting for all modalities**
 - **T&E for AUs of Alpha and Beta Emitters**

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 – The U.S. Nuclear Regulatory Commission

T&E – Training and Experience