

Board Certification and Training & Experience Requirements

Jeffrey F. Williamson, Ph.D.

Washington University

on behalf of

ACMUI

Major Concern

- **Definition Conflict between**
 - **10 CFR 35.51 Authorized Medical Physicist (AMP)**
 - **Community's definition (ABR/ABMP certification in Radiation Oncology Physics)**

Board Certification

- **Board certification: requires training and experience as specified in 10 CFR 35.51 (b)**
- **ABR/ABMP: Do not require experience with specific byproduct technologies HDR, teletherapy, stereotactic**

Unintended Consequences

- **Marginalize board certification**
 - **Regulatory significance undermined**

Unintended Consequences

Public health undermined

- Formal training programs rare**
- Few opportunities for Co-60 device training**
- Exacerbate AMP shortages**

Remedies

- **Short-term: unconditional grandfathering of current teletherapy physicists and acceptance of certification**
- **Long-term: rule-making initiative to replace “and” with “or”**

Backup slide: New 10 CFR 35: Physicist's view

- **AMP definition recognizes role of physicist in assuring treatment quality/safety**
- **“wrong site” criterion repaired by “medical event” concept**

Backup slide: New 10 CFR 35: Physicist's view

- **QA rules closer to practice standards**
- **Easier to add new uses & modalities**

Backup slide

Qualified Medical Physicist

- **Consensus definition: QMP = board certification + continuing education**

Backup slide

Qualified Medical Physicist

- M.S./Ph.D. + 2-6 years T&E under certified mentors + letters of reference**
- AAPM, ACR and ACMP view**

Backup: 35.51 AMP definition

- a) Certified by recognized Board
whose certification includes b)**

Backup: 35.51 AMP definition

- a) **OR has MS degree + 1 yr Rad Onc training + 1 yr experience under AMP including**
- HDR, teletherapy + Stereotactic duties**
 - Preceptor's statement**

Backup Slide

Short-Term Remedies

- **Supplementary training example**
 - **Undergo vendor training for Gamma Knife**
 - **Observe Gamma Knife cases at institution with functioning program**

Backup slide: 35.600 AU T&E criteria

- **certified by recognized Board which includes**
- **“...500 h practical experience..”**
 - **Reviewing calibrations, plans, specific to devices**

Backup slide: 35.600 AU T&E criteria

- **Preceptor's statement for each modality**
- **Appears to conflict with ABR eligibility requirements**