ABR CERTIFICATION OF MEDICAL PHYSICISTS

Geoffrey S. Ibbott, Ph.D. AAPM Annual Meeting July 22, 2014

CERTIFICATION

- Part of a life-long process
- From Initial Training to Retirement

AMERICAN BOARD OF RADIOLOGY

- One of 24 member boards of the American Board of Medical Specialties
- Board of Trustees: 25 members
 16 Radiologists, 6 Radiation Oncologists,
 3 Physicists: Jerry Allison, Geoffrey Ibbott, Tony Seibert
 Offices in Tucson, AZ
- Executive Director: Valerie Jackson, MD
- Associate Executive Director for Physics: Don Frey, PhD

ABR MISSION

"To serve patients, the public, and the medical profession..."

"By certifying that its diplomates have acquired, demonstrated, and *maintained* a requisite standard of knowledge, skill, and understanding..."

ABR Certification

- Diagnostic Radiologists
- Interventional Radiologists
- Radiation Oncologists
- Medical Physicists

ORGANIZATION OF EXAMS

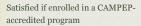
- Part 1
 - General
 - Clinical
- Part 2 (Practice Specific)
- Part 3 (Oral Exam)

PART 1 EXAM REQUIREMENTS

- As announced in 2002, effective 2012:
- The candidate must be enrolled in or have graduated from a CAMPEP-accredited medical physics program
- Program must be accredited at, or within a year after, graduation
- Program director must provide letter attesting that application has been submitted

EXPERIENCE

Must be working in a clinical medical physics environment under the supervision of a certified medical physicist.



Volunteer position may be accepted if formal structure

WRITTEN EXAM PART 1

- Written Exam
- Administered at
 Pearson VUE
- General and Clinical
- Must pass within 5 years of admission



WRITTEN EXAM PART 2

- Education must have completed graduate degree
- Cannot be taken until passed Part 1
- Experience (as of 2014) - CAMPEP-accredited residency.



WRITTEN EXAMS

100 Type A questions (multiple choice, one correct answer)

- 75 Simple (limited calculations)
- 25 Complex (calculator often required)
 - Computer-based
 - Pearson VUE
 - Requires MS Windows calculator

EXPERIENCE -PART 2

If applied for Part 1 before 10/31/2012:

You must have had at least 3 years (36 months) of full-time equivalent clinical experience in ... an approved department or practice in the area(s) in which certification is sought under the supervision of a certified medical physicist.

This requirement must be satisfied by Aug. 31 of the year in which the Part 2 exam is to be taken.

EXPERIENCE

- · Clinical component of educational program:
 - MS \leq 6 months, PhD \leq 12 months
- · Postgraduate internship or residency
- . Postdoctoral research with clinical component
- Postgraduate employment

"BOARD ELIGIBLE"

- ABR now recognizes the term "board eligible"
- Physicist candidate is "board eligible" after:
 - . Passing Part 1, and
 - Being admitted to take Part 2 exam or completing residency (whichever occurs first)
- Permitted 6 years to pass Parts 2 & 3

REQUIREMENTS FOR ORAL EXAM

- Must have passed Parts
 1 and 2
- Must travel to Louisville



ORAL EXAM

5 Examiners

5 Areas (Therapeutic Medical Physics)

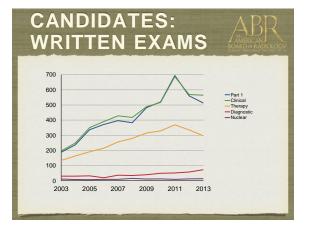
- Radiation Protection & Safety
- Patient Related Measurements
- Image Acquisition, Processing, & Display
- Calibration, Quality Control, & Quality Assurance
- Equipment

ORAL EXAM

- . 3 Committees
- Computer based
- Crowne Plaza



- Given in examiner's room
- Role of examiner



CANDIDATES: ORAL EXAMS	ABR AMERICAN BOARD & RADIOLOGY
 Oral first time —Oral therapy Oral Diagnostic —Oral Nuclear Oral total 	_
300	_
100 2013 2004 2005 2006 2007 2008 2009 2010 2011 2012	2 2013 2014

MAINTENANCE OF CERTIFICATION

• Ensures that the diplomate maintains 6 key competencies:

- Medical knowledge
- · Patient care and procedural skills
- Interpersonal and communication skills
- Professionalism
- · Practice-based learning and improvement
- · Systems-based practice

MAINTENANCE OF CERTIFICATION

- Through the 4 MOC components:
 - Professional standing
 - 2. Lifelong learning and self assessment
 - ³ Cognitive expertise
 - Practice quality improvement

