ABR 2014: Trained for Competence

Imminent Changes Affecting Initial Certification and Maintenance of Certification

Geoffrey S. Ibbott, Ph.D.
AAPM
Aug. 1, 2011
American Board of Radiology

• One of 24 member boards of the American Board of Medical Specialties

• Board of Trustees: 24 members from 8 sponsoring organizations
  • 15 Radiologists, 6 Radiation Oncologists, 3 Physicists: Richard Morin, Donald Frey, Geoffrey Ibbott

• Offices in Tucson, AZ
• Executive Director: Gary Becker, MD
• Associate Executive Director for Physics: Stephen Thomas, PhD (until December 31)
  Don Frey, PhD (as of January 1, 2012)
ABR Mission

About the ABR

OUR MISSION

The mission of The American Board of Radiology is 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 essential to the practice of diagnostic radiology, radiation oncology, and radiologic physics.
Written Exam
Part 1

• Written Exam
• Administered at Pearson VUE
• General and Clinical
Written Exams

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

• 50 Simple (limited calculations)

• 25 Complex (calculator often required)
  • Computer-based
  • Pearson VUE
  • Requires MS Windows calculator
The ABR 2012 Requirements

• As announced in 2002:
• The candidate must be enrolled in or have graduated from a CAMPEP-accredited medical physics program
• Candidates who apply in 2011 to take the Part 1 examination in 2012 must meet this requirement
• Program must be accredited at, or soon after, graduation
Registration Form Changes

2. CAMPEP Accredited Graduate Program Information - Complete this section only if you are enrolled in or have graduated from a CAMPEP-accredited (check one): □ Graduate Program or □ DMP Program.
   - □ Currently enrolled in
   - □ Graduated from

   Date of matriculation (mm/yy) ________________
   Date degree received (on transcript mm/yy) ________________

   Institution ______________________________________ City, State ________________________________
   Program Director Name ________________________________________________________________
   Address _____________________________________________________________________________
   Telephone __________________________ Email address ______________________________________

   Note: The ABR will contact the program director for verification of status.

3. CAMPEP Accredited Medical Physics Residency Program Information
   - □ Currently enrolled in
   - □ Completed

   Date of matriculation (mm/yy) ________________
   Dates within the residency (mm/dd/yy): Start: ___________ Completed: ___________
   Do you hold only non-United States (U.S.) degrees? □ Yes □ No

   Institution ______________________________________ City, State ________________________________
   Program Director Name ________________________________________________________________
   Address _____________________________________________________________________________
   Telephone __________________________ Email address ______________________________________

   Note: The ABR will contact the program director for verification of status.
The 2012 Requirements - Applications

• Office to receive complete applications only

• Standard application period:
  • July 1 – October 31, 2011

• Notification of receipt/denial of registration: November 30

• Notification of eligibility for Part 1 exam: February 28, 2012
Audit Possibility

• A portion of all new registrations will be audited to confirm that:

  • Graduate students satisfy requirement for undergraduate physics background

  • Residents satisfy requirement for medical physics coursework
Experience

You are currently working in a clinical medical physics environment under the supervision of a certified medical physicist.

Satisfied if enrolled in a CAMPEP-accredited program

Volunteer position may be accepted if formal structure
What happens in 2014?

• The candidate must be enrolled in or have graduated from a CAMPEP-accredited residency program

• As determined by AAPM in ~2006, originally intended to go into effect in 2012

• Candidates applying in 2013 for Part 1 examination in 2014 must meet this requirement
Written Exam
Part 2

• Education
• Experience
• To be taken within 7 years of initial application
• Cannot be taken until passed Part 1 (2010)
Education - Part 2

If currently in the process, or if applying in 2011 or later –

• Must have completed graduate degree before taking Part 2
Experience - Part 2

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 June 30 of the year in which the Part 2 exam is to be taken.
Experience - Part 2

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 June 30 of the year in which the Part 2 exam is to be taken.

_A 24-month CAMPEP-accredited residency program satisfies this requirement_
Experience

• Clinical component of educational program:
  • MS \leq 6 \text{ months}, \ PhD \leq 12 \text{ months}
  • Postgraduate internship or residency
  • Postdoctoral research with clinical component
  • Postgraduate employment
Supervision

The certified medical physicist designated as the supervisor of clinical training must interact with the candidate (trainee) on a regular basis.

For NRC recognition (AMP or RSO) ≥ 24 months experience under supervision of an ABR certified radiologic physicist
Requirements for Oral Exam
Requirements for Oral Exam

• Must have passed parts 1 and 2

• Must travel to Louisville
Requirements for Oral Exam

• Must have passed parts 1 and 2

• Must travel to Louisville
Oral Exam

5 Examiners

5 Areas

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

• 3 Committees

• Computer based

• Executive West Crowne Plaza,

• Given in examiner’s room

• Role of examiner
Candidates: written exams

Part 1
Clinical
Therapy
Diagnostic
Nuclear
Passing rates: written exams

- Part 1
- Clinical
- Therapy
- Diagnostic
- Nuclear

Years: 2001 to 2010
Candidates: oral exams

- Oral first time
- Oral therapy
- Oral Diagnostic
- Oral Nuclear
- Oral total
Passing rates: oral exams

Oral (all)
What is ABMS MOC™
Who is ABMS

- Comprised of 24 medical specialty Member Boards, ABMS sets the standards for the certification process to enable the delivery of safe, quality patient care
- ABMS is the authoritative resource and voice for issues surrounding physician certification
- The public can visit [www.abms.org](http://www.abms.org) to determine if their doctor is board certified by an ABMS Member Board
What is ABMS MOC™

- A process designed to document that physician specialists, certified by one of the Member Boards of ABMS, maintain the necessary competencies to provide quality patient care
- ABMS MOC promotes continuous lifelong learning for better patient care
SIX COMPETENCIES OF MOC

- Professionalism
- Practice-Based Learning/Self Improvement
- Practice Knowledge
- Patient Care and Procedural Skills
- Interpersonal/Communication Skills
- System-Based Practice
Four Components of MOC

Component 1: Professional Standing
- Validity of the license to practice.

Component 2: Lifelong Learning and Self-Assessment.
- The requirement to keep current in the field.

Component 3: Cognitive Expertise
- Examination process.

Component 4: Assessment of Practice Performance
- Practice Quality Improvement.
Personal Data Base (PDB)

ABR Headquarters Building
Tucson, Arizona

URL: http://theabr.org

On home page one finds: PDB Log in space
Welcome back Dr. Geoffrey Stephen Ibbott!
You last signed in on 2011-03-31 11:17:30.553

MOC Enrollment: You are currently enrolled in: MOC in Diagnostic Radiologic Physics and MOC in Medical Nuclear Physics and MOC in Therapeutic Radiologic Physics.

Licenses: Your TX state license expires on 3/31/2012.

Payments: Your current balance due is $0.00.

MOC Status: Your MOC Cycle in Diagnostic Radiologic Physics & MOC in Medical Nuclear Physics & MOC in Therapeutic Radiologic Physics will complete in 2016.

Part 1: Professional Standing
Part 2: Lifelong Learning & Self Assessment 250.00 Category 1 Credits

Part 3: Cognitive Expertise

Part 4: Practice Quality Improvement
Attestation Process: Attestee View

Welcome Back page (MOC Home)

MOC Enrollment: You are currently enrolled in: MOC in Therapeutic Radiologic Physics and MOC in Diagnostic Radiologic Physics.

Licenses: You do not have any state license on file with The ABR.

Payments: Your current balance due is $0.00.

MOC Status: Your MOC Cycle in Therapeutic Radiologic Physics will complete in 2012.

Part 1: Professional Standing

Part 2: Lifelong Learning & Self Assessment

Part 3: Cognitive Expertise

Part 4: Practice Quality Improvement

0 letters of attestation on file, 0 pending.

149.5 Category 1 Credits
45 SDEP Credits
6 SAMs

Exams to be available starting in 2010.

News
Attestation Process: Attestee View

Welcome Back page (MOC Home)

**MOC Enrollment:** You are currently enrolled in: MOC in Therapeutic Radiologic Physics and MOC in Diagnostic Radiologic Physics.

**Licenses:** You do not have any state license on file with The ABR.

**Payments:** Your current balance due is $0.00.

**MOC Status:** Your MOC Cycle in Therapeutic Radiologic Physics will complete in 2012.

Part 1: **Professional Standing** 0 letters of *attestation* on file, 0 pending.

Part 2: **Lifelong Learning & Self Assessment**
- **149.5 Category 1 Credits**
- **45 SDEP Credits**
- **6 SAMs**

Part 3: **Cognitive Expertise**
Exams to be available starting in 2010.

Part 4: **Practice Quality Improvement**

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**News**
Component 2: Life Long Learning & Self Assessment

<table>
<thead>
<tr>
<th>Credit Year</th>
<th>Gateway CME</th>
<th>Self Entered CME</th>
<th>Self Directed Educational Projects (SDEPs)</th>
<th>Total CME</th>
<th>Total CME Applied to your MOC Cycle</th>
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<td>0.00</td>
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</table>
Component 3. Cognitive Expertise

- Expected to
  - maintain the essentials of core knowledge fundamental to the practice of Radiologic Physics, and
  - to remain up-to-date on evolving technologies, protocols, procedures and techniques involving applications of physics in medicine.

- Fulfillment of these expectations will occur by evaluation of cognitive expertise utilizing a multiple-choice examination in a secure testing center.
Component 4. Evaluation of PQI

Diplomates must provide information regarding their active participation in the profession of Radiologic Physics over the 10-year period.

The PQI program will be focused on the radiological physicist as a medical professional who contributes to and supports patient care, patient safety, and education.

The PQI evaluation will be directed toward the diplomate’s activities in fulfilling obligations in specific programs that have prescribed evidence-based standards and criteria.
Categories of PQI Programs/Projects

- Type 1 – Individual Based
- Type 2 – Society Based
- Professional and Regulatory Guidelines
- Safety for Patients, Employees and the Public
- Educational Activities
# Available PQI Projects and Templates

<table>
<thead>
<tr>
<th>Type</th>
<th>Title</th>
<th>Org</th>
<th>Date Qualified</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Project" /></td>
<td>Patient Safety Improvement Program (PSIP)</td>
<td>ABMS</td>
<td>09/22/2008</td>
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<td><img src="image" alt="Template" /></td>
<td>Practice Quality Improvement Program for Therapeutic Physics</td>
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<td><img src="image" alt="Project" /></td>
<td>*Quality Research in Radiation Oncology (Q-RRO) - Radiologic Physics</td>
<td>ACR</td>
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<td>eDataAudit</td>
<td>D3 Radiation Planning</td>
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*Project is available only to QRRO-recognized institutions.*
Hello **Dr. Geoffrey Ibbott** and welcome to the Practice Quality Improvement System to assist Physicists certified by the American Board of Radiology (ABR) undertaking Maintenance of Certification.

The structure of this PQI project is intended to be used independently and will assist the Physicist to perform the necessary PQI steps, namely:

1. Collect baseline data.
2. Review and analyze baseline data.
3. Implement improvement plan.
4. Remeasure baseline data.
5. Report participation to the ABR.

To get started, choose "Specialty Selection" on the left column. Choose a specialty and perform a baseline evaluation. Once the baseline evaluation has been submitted, an improvement plan can be developed and implemented. At a minimum of one month, a follow-up evaluation can be performed to gauge improvement versus the baseline evaluation. All records and improvement plans can be printed for record keeping purposes. For more information, consult the 'User Guide'.

The scoring is numerical from 0 to 2 based on the answer provided. Lower scores indicate areas for improvement with priority given to questions receiving a zero score. The Physicist can then assess those specific areas and come up with an improvement plan to bring the score up to a 2.

For additional information regarding PQI please consult the American Board of Radiology website.
Paradigm Shift

Deming – “You don’t have to (change), survival is not compulsory.”
Paradigm Shift

Deming – “You don’t have to (change), survival is not compulsory.”