SDAMPP/AAPM/ABR Webinar: ABR Update
• Introduction – Dr. Michael G. Herman
• Initial Certification – Dr. J. Anthony Seibert
• Maintenance of Certification – Dr. Jerry D. Allison
DISCLOSURES

• Michael G. Herman – Trustee – TMP
  – Nothing to Disclose

• James Anthony Seibert – Trustee – DMP
  – Nothing to Disclose

• Jerry D. Allison – Trustee – NMP
  – Nothing to Disclose

• G. Donald Frey – Associate Executive Director
  – Nothing to Disclose
THE MISSION OF THE ABR:

TO CERTIFY THAT OUR DIPLOMATES DEMONSTRATE THE REQUISITE KNOWLEDGE, SKILL, AND UNDERSTANDING OF THEIR DISCIPLINES TO THE BENEFIT OF PATIENTS.
THE BOARD DOES NOT:

• Set state or federal regulations for the practice of medical physics
• Set standards for accreditation programs
• Control the number of students in academic programs
• Control the number of residencies
**ABR Volunteers:**

- Must be enrolled in MOC
EXAM COMMITTEES:

• Selected for their expertise in the areas that they participate in

• Both MS and PhD Physicists

• Academic, Private Practice & Consulting
  – A group of peers
INITIAL CERTIFICATION
J. ANTHONY SEIBERT, PH.D.
CERTIFICATION STEPS

• Part 1 – General
  – General Medical Physics

• Part 1 – Clinical
  – Anatomy, Physiology & Radiobiology

• Part 2 – Specialty Specific (DMP, NMP or TMP)
  – Advanced (Clinical & Technical) MP in Specialty

• Part 3 (Oral)
  – Clinical MP and Communication in Specialty
REQUIREMENTS
PART I General and Clinical

... for all new applicants
CERTIFICATION REQUIREMENTS
PART 1 – GENERAL & CLINICAL

• Enrolled in a CAMPEP Accredited Educational Program
  – MS or PhD
  – DMP (Professional Doctorate)
  – Certificate Program (Alternate Pathway Credential)
  – Completion of Structured Mentorship (IMP’s)
PART 1 – GENERAL & CLINICAL

• Application window
  – September 1 to October 30
  – Exams in August
  • In Pearson-Vue Centers
PART 1 – GENERAL & CLINICAL

• If you fail the clinical part only you retake just the clinical part

• If you fail the general you must repeat both parts
PART 1 – GENERAL & CLINICAL

• If you have not passed all of Part 1 within 5 years of being approved you must take an additional year of education in an institution that has a CAMPEP approved graduate program.

• Following the completion of the training you must meet the current requirements to become board eligible.
Part II & Part III (Oral)
CERTIFICATION REQUIREMENTS
BOARD ELIGIBLE – PART 2 & ORAL

• Completion of a CAMPEP Residency
• Completion of a Structured Mentorship
• OR for Candidates Approved Prior to 2014
  – Completion of 36 months of Supervised Clinical Training
  OR
  – Completion of a CAMPEP Residency
CERTIFICATION REQUIREMENTS
BOARD ELIGIBLE – PART 2 & ORAL

Candidates must pass Part 1 before they can take Part 2 and must pass Part 2 before they take the oral

A candidate could become board eligible and thus have the board eligible clock running without being eligible for Part 2 because they had not passed Part 1
CERTIFICATION REQUIREMENTS
BOARD ELIGIBLE

• If you do not become certified within 6 years of becoming board eligible you must take an additional year of clinical training in an institution that has a CAMPEP approved residency

• You do not have to be a formal resident
The ABR generally leaves educational details to the program directors, but we do audit a small percent of applications.
EDUCATIONAL DETAILS & AUDITS

• If you are audited, we expect
  – At least 3 advanced traditional physics courses
  – Radiobiology
  – Anatomy and/or physiology
  – At least 4 medical physics courses similar to those on the CAMPEP list
THIRTY-SIX MONTH CLINICAL

• Beginning with candidates for the 2016 exam, we are asking for some detail as to the nature of the clinical training
## Oral Categories

### Beginning 2015

<table>
<thead>
<tr>
<th>DMP</th>
<th>NMP</th>
<th>TMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiography, mammography, fluoroscopy, and interventional imaging</td>
<td>Radiation protection</td>
<td>Radiation protection and patient safety</td>
</tr>
<tr>
<td>Computed tomography</td>
<td>PET and hybrids</td>
<td>Patient-related measurements</td>
</tr>
<tr>
<td>MRI and ultrasound</td>
<td>SPECT and hybrids, including gamma cameras</td>
<td>Image acquisition processing and display</td>
</tr>
<tr>
<td>Informatics, image display, and image fundamentals</td>
<td>Radiation measurements</td>
<td>Calibration, quality control, and quality assurance</td>
</tr>
<tr>
<td>Radiation Biology, dosimetry, protection, and safety</td>
<td>Clinical procedures</td>
<td>Equipment</td>
</tr>
</tbody>
</table>
MP IC EXAMS

PART 1 & PART 2
PEARSON VUE CENTERS

ORAL
LOUISVILLE
<table>
<thead>
<tr>
<th><strong>Registration</strong></th>
<th><strong>MP Part 1 General &amp; Clinical</strong></th>
<th><strong>MP Part 1 Clinical ONLY</strong></th>
<th><strong>MP Part 2 (All Disciplines)</strong></th>
<th><strong>MP MOC (All Disciplines)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tutorial / Instructions</strong></td>
<td>Varies Untimed</td>
<td>Varies Untimed</td>
<td>Varies Untimed</td>
<td>Varies Untimed</td>
</tr>
<tr>
<td><strong>NDA</strong></td>
<td>3 Minutes</td>
<td>3 minutes</td>
<td>3 Minutes</td>
<td>3 Minutes</td>
</tr>
<tr>
<td><strong>Number of Sections</strong></td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>First Session</strong></td>
<td>237 Minutes</td>
<td>87 Minutes</td>
<td>237 Minutes</td>
<td>207 Minutes</td>
</tr>
<tr>
<td><strong>Number of Questions</strong></td>
<td>80</td>
<td>75 (All Simple)</td>
<td>80</td>
<td>150</td>
</tr>
<tr>
<td><strong>Break</strong></td>
<td>Y, 30 Minutes</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td><strong>Second Session</strong></td>
<td>90 Minutes</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Number of Questions</strong></td>
<td>75 (All Simple)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Conditioned</strong></td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td><strong>Total Questions</strong></td>
<td>155</td>
<td>75</td>
<td>80</td>
<td>150</td>
</tr>
<tr>
<td><strong>Total Time</strong></td>
<td>Approximately 6.5 hours</td>
<td>Approximately 2.0 Hours</td>
<td>Approximately 4.5 hours</td>
<td>Approximately 4.0 hours</td>
</tr>
</tbody>
</table>

Complex questions generally require multi-step calculation, accounting for three scorable units.
Requirements changed as of 2014
Requirements changed as of 2014
PART 2 NUMBERS – 2015

414 Total

TMP 76%
DMP 19%
NMP 5%
ORAL NUMBERS – 2016

- TMP: 82%
- DMP: 15%
- NMP: 3%

453 Total
MAINTENANCE OF CERTIFICATION

JERRY D. ALLISON, PH.D.
UPDATED MOC REQUIREMENTS*
SIMPLE ATTESTATIONS

Part 1*
• Professionalism

Part 2*
• Continuing Professional Development

Part 3
• Maintenance of Skill

Part 4*
• Quality in practice

Updates are being implemented for Parts 1, 2 and 4!
ETA: March 2016
PART I – PROFESSIONALISM REQUIREMENTS

OPTION 1

• If you practice in any of the four licensure states (FL, HI, NY or TX) you must have a valid unrestricted medical physics license from all of the states you practice in.
• If you have a license from one of the four licensure states you may attest to having the license.
PART 1 – PROFESSIONALISM REQUIREMENTS

OPTION 2

• If you do not have a MP license you must have an ABR Diplomate attest to your professional standing*

• * Implementation target March 2016
  – Previous implementation:
    • Six competency abstracts attested to by an ABR MP Diplomate and an ABR DR or RO Diplomate
Do you practice in FL, HI, NY or TX?

- Yes: You must have a MP License
  - You must attest to having the license on an annual basis

- No: Have a MP license from FL, HI, NY or TX?
  - Yes: You may attest to having the license on an annual basis
  - No: Review of your profession competency by an ABR Diplomate
ATTESTING TO PART 1

• Each year you will be asked to attest to meeting Part 1
• Lookback is five years
• ABR selects a small percentage of MP Diplomates for an annual MOC compliance audit
  • If ABR selects you for an audit, you will be asked to provide details
  • It is important that you keep copies of your license or professional attestations
PART 2 – LIFELONG LEARNING

• The lifelong learning requirement has not changed but a simple attestation is being implemented
CONTINUING EDUCATION (CE)

• 75 CE credits every three years, at least 25 of which must be Self-Assessment CE (SA-CE).

• Look-back includes previous 3 years for CE and SA-CE.
PART 2- LIFELONG LEARNING

Basic Requirement, 1 Year
16 ⅔ CE + 8 ⅓ SA CE = 25 Total CE

3-Year Look-back
50 CE + 25 SA-CE = 75 Total CE
CONTINUING EDUCATION (CE)

• CE : Traditional continuing education credit (CE)
  • CAMPEP credits
  • ACCME Part 1 credits
• SA-CE : Self assessment continuing education credit (SA-CE)
  • SAMs
  • SDEPs (Self-Directed Educational Projects)
• Enduring Materials
  • AAPM Virtual Library
  • Radiographics
ATTESTING TO PART 2

• Each year you will be asked to attest to having completed the Part 2 requirements*
• If ABR selects you for an audit, you will be asked to document your CE and SA-CE credits
  • CME gateway report
  • CAMPEP transcript
  • Other CE certificates

• * Implementation target March 2016
  – Previous implementation:
    • CE and SA-CE credits were stored in your “MyABR” account
PART 3 – COGNITIVE EXPERTISE

- The Part 3 requirement has not changed.
- You must pass an MOC exam in each ten year period.
- You may take the exam anytime.
- Lookback is 10 years.
AVERAGE ITEM DIFFICULTY

• A good exam has moderately difficult items. Items that are too easy (>90% correct) or too hard (<20% correct) do not separate the good performers from the poor performers.
ITEM DIFFICULTY FOR 2014

Poorest Performer 51%
Average Performer 75%
Best Performer 100%

Average performance is close to optimal from a statistical perspective
ITEM DIFFICULTY

2014: 62%
2013: 64%
2012: 66%
2011: 68%
2010: 70%
2009: 72%
2009: 74%
2008: 76%
2007: 78%
2006: 80%
2005: 82%
FAILURE TO SUCCESSFULLY COMPLETE THE EXAM

• For time limited ABR MP certificates:
  • If you fail to pass the cognitive exam within 10 years you are shown as
    • Certified – Not Meeting MOC Requirements
  • If you do not pass the exam within 11 years you are shown as
    • Not Certified
  • There is a reentry path that does not require additional formal training and can be completed in no more than a year
MOC STATUS – FIRST 3 10 YEAR COHORTS

- 86.6% Recertified
- 9.6% Failed to Recertify for Multiple Reasons
- 3.7% Failed to Recertify because of Exam Only
Six years experience with MP MOC Exam
Exam is very reliable
Exam discriminates well
Number of takers has increased as expected
PART 4 – PRACTICE QUALITY IMPROVEMENT

• Requirement has not changed but the scope of PQI projects has substantially expanded
• Lookback is 3 years
Part 4
Requirement

- PQI Project
  One project every three years
- Participatory PQI
Participatory PQI
MANY possibilities

• Check the ABR website for possibilities
  • http://www.theabr.org/moc-dr-comp4#PQI%20Activities
  • If you have any questions call the ABR help line
• PQI projects remain an excellent way for medical physicists to add value to their departments
ATTESTATION TO PART 4

• MP Diplomates must attest each year that Part 4 requirements are being met*
• If ABR selects you for an audit you will be asked to provide documentation of PQI Projects and/or PQI Participatory Activities accomplished.

• * Implementation target March 2016
  – Previous implementation:
    • Abstracts on the ABR website for each PQI project with data on the “Plan, Do, Study, Act” phases of each project
In the mid-nineteen-nineties it was observed that candidates had a wide range of academic and clinical training. This led to a wide range of performance on the ABR certification exams. The ABR in 2002 announced the requirement for CAMPEP training with an implementation date of 2012.
Subsequently there were several profession wide summits and the AAPM board recommended that a residency be required.

The ABR adopted this recommendation for 2014 implementation.

Initial data supports that CAMPEP education and a CAMPEP residency improves candidate performance.
AAPM
Defines the scope of MP practice and recommends a standard educational path

SDAMPP
Determines best practices for the education of MP’s

ABR
Certifies that individuals meet the standard for medical physics competency

CAMPEP
Accredits educational programs both academic and residency
How does the ABR Set the Standards for required training

The ABR reviews the recommendations of other groups and uses those to set standards
SDAMPP/AAPM/ABR Webinar: ABR Update

Question/Answer Session

- To send questions to the speaker, please enter them into the question box in the GoToWebinar Control Panel.