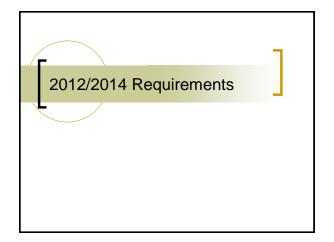




Physics Trustees and Associate Executive Director G. Donald Frey MNP Portfolio Geoffrey Ibbott RO portfolio Richard Morin DX Portfolio Stephen Thomas AED for Physics

Topics 2012/2014 Requirements Maintenance of Certification Cognitive Exam for MOC (Physicists)



Current Emphasis

-Minimum Education

- 3 advanced undergraduate or graduate physics courses
- 3 graduate medical physics courses
- 2 undergraduate or graduate biology courses

Clinical Experience in Medical Physics

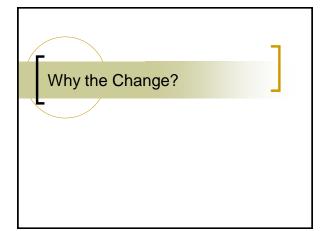
- Requirement has been dropped for Part 1
- Three years of clinical experience is still required for Part 2
 - Or completion of a two year CAMPEP residency

2012 Requirements

- As of 2012 either a CAMPEP degree or a CAMPEP residency is required to sit for the ABR Exam
 - Last year to apply under current system was 2010
 - o Beginning with the 2011 cycle either
 - A CAMPEP Accredited Degree
 - OR A CAMPEP Accredited Residency

2014 Requirements

 As of 2014 a CAMPEP residency is required to sit for the ABR Exam



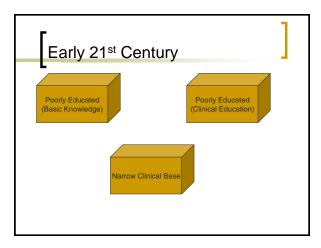
Mission

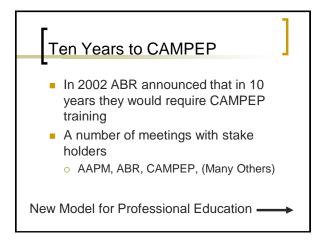
The mission of The American Board of Radiology is to serve patients, the public, and the medical profession by certifying that its diplomates have acquired, demonstrated, and maintained a requisite standard of knowledge, skill and understanding essential to the practice of diagnostic radiology, radiation oncology and radiologic physics

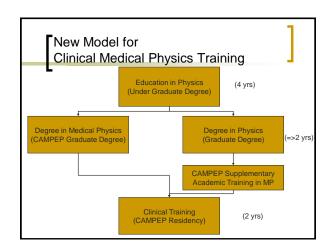
Six Competencies

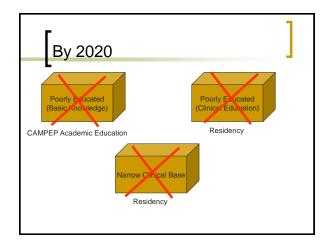
- Professional & Medical Knowledge
- 2. Patient Care
- 3. Interpersonal & Communication Skills
- 4. Professionalism
- Practice-based Learning & Improvement
- 6. Systems-based Practice

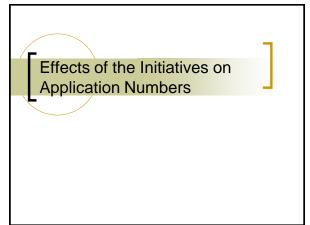






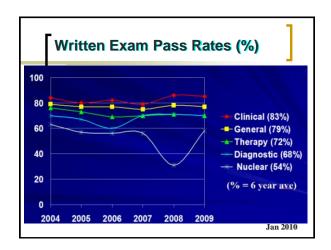


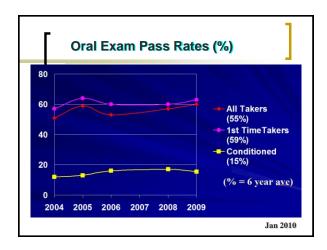


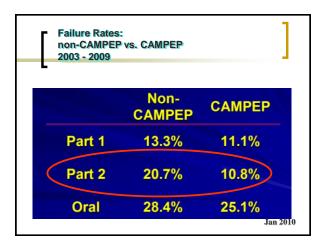


Part 1 applications have approximately doubled since 2007 and should peak this year.

Record number of oral exams this year ans orals should peak in 2013,

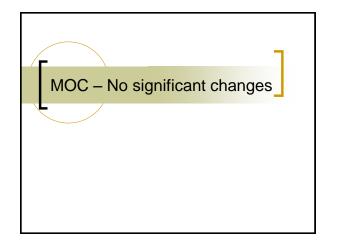






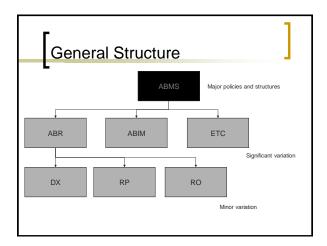
New Certificates per Year Above 200 per year This is widely viewed as more than the profession can sustain

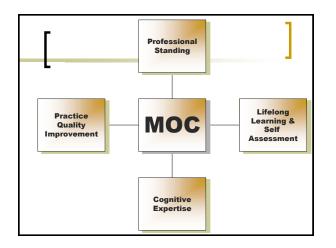
Serious Issues Remain Number of Residencies Total Number of Medical Physicists Needed Role of the Professional Doctorate How to Accommodate Physicists Trained in Other Countries

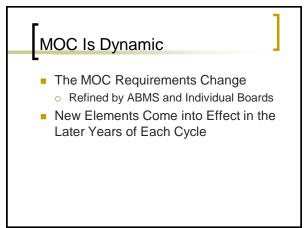


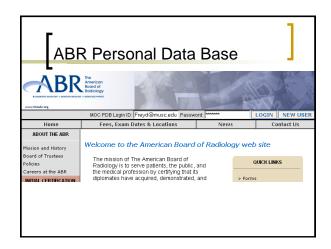


The Boards want the public and governmental authorities to accept participation in MOC as being reasonable evidence that the practitioner is maintaining his or her professional skills

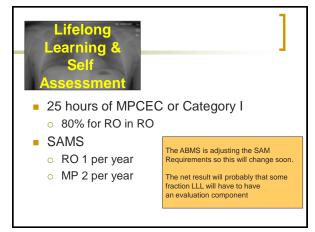










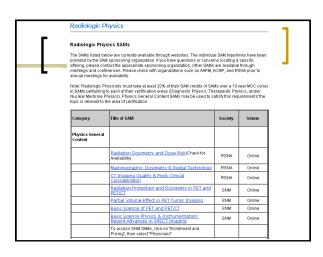


Lifelong Learning SDEP's for Physicists

- 15 hours per year can come from SDEP's
 - Self Directed Educational Project

Self Assessment Modules

- 20 [2 per year] physicists
- 10 [1 per year] radiation oncologists
- Some SAMS are on-line
- Most professional organizations offer SAMs at their meetings
- There is a list of approved SAMs on the ABR website



MOC – Lifelong Process

- MOC is intended to be a continuous process thus there are limits to the amount of Life-long learning and SAM credits that are acceptable each year
 - Life-long Learning 50
 - SAMS
- 4 MP & 2 RO

Temporary Catch-up Provision

This provision to the MOC Participation policy allows diplomates with a certificate expiring from 2009-2015 to complete triple the normal yearly MOC requirements during a calendar year starting in year seven (7) of the MOC cycle and extending into the three year grace period, if necessary.

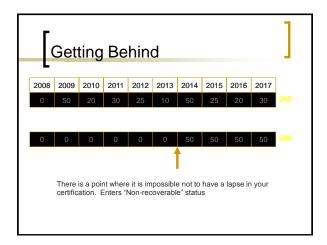
Temporary Catch-up Provision

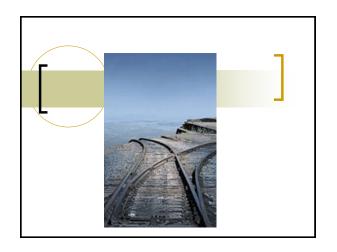
Details of provision:

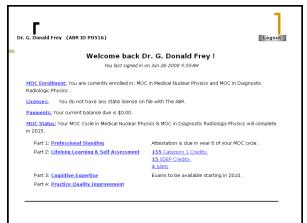
Is available to all Diagnostic Radiology, Radiation Oncology and Radiologic Physics diplomates with a certificate expiring from 2009 - 2015.

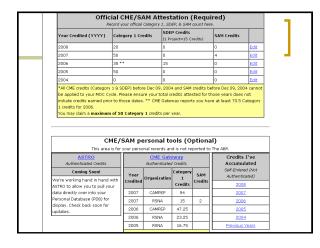
Reporting triple the normal requirements is not available until year 7 of MOC cycle and extends through the end of the 3 year grace period, if needed.

This provision to the MOC Participation Policy will expire on December 31, 2018

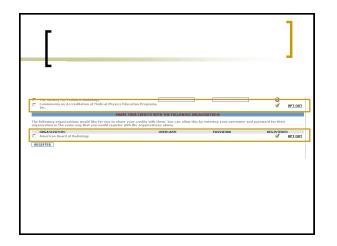


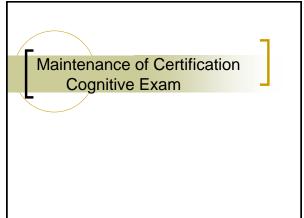


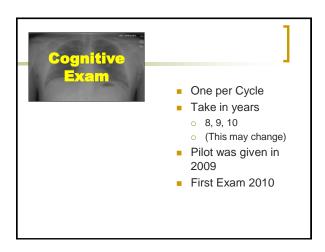












Required by ABMS So all ABMS boards have an exam in all disciplines Some research shows that an exam improves performance However – some groups like the Royal College in Canada do not require one

Study Guides Are Provided

- 30% basic
- 70% new material
- Clinical Protocols
- Standards
- Relevant Documents

Issues

- Most people will maintain their competency
- Exam needs to be sensitive and specific
- Exam needs to be acceptable to legislators, and regulators
- Exam needs to be acceptable to the general public

Exam Validation

- Criteria Referenced
- Validated

Status

- Pilot in 2009
 - Pass Rate ~75%
- Exams available
 - Years 8-10
 - Exam was given in Fall 2010
 - Very Small Numbers



- All diplomates must have training in PQI
- All must be continuously involved in the PQI process

PQI - Rationale

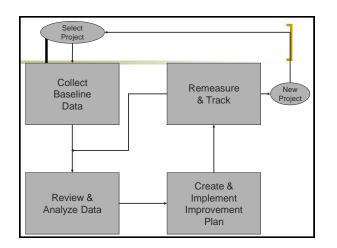
- Significant issues of quality and safety in medicine
 - o Institute of Medicine "To Err Is Human"
- Industrial Experience from Manufacturing
 - Process Control

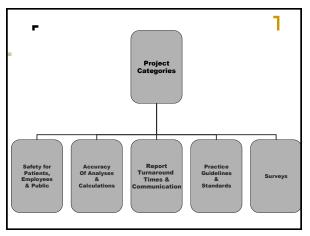
First Steps

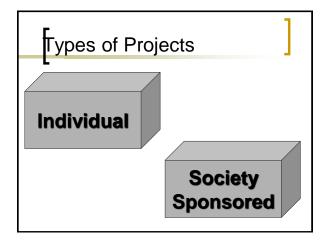
- Training is the First Step
- We need to learn to do effective projects that improve health and safety
- We need to incorporate PQI into the fabric of the culture of our work
- It took Toyota more than 20 years to transform it's manufacturing culture

ABR PQI Process

The first year is allocated to training in PQI. The best way to do this is to do a SDEP,







PQI Developments Working on a number of fronts to make it "easier" Group Practice projects Physics and physician components Institution projects – whole "health system" for example. Would get "deemed status" from ABMS Templates – make personnel projects easier

Fee's and Late Fees

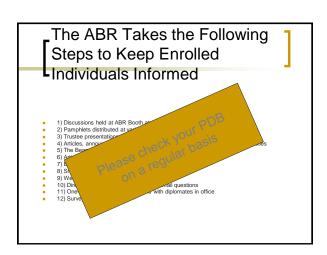
- ABR has had a significant expense associated with MOC
 - MOC Staff
- Increased fees for ABMS

Fees

- For original enrolled individuals the fee was constant for all 10 years of the cycle.
- This will start to increase on an annual basis beginning with the group having certificates expiring in 2018 and will apply to other groups when they finish their first cycle.

Late (or No) Payment Has Been An Issue

- Not nearly so much for physics as for the other disciplines
- However since on January 1, 2009 a late fee of \$100 applies for those who have not paid the previous years fees.



мос

- The full integration of the MOC process so its components are fully integrated into the training and practice of diplomates will be lengthy
- However this process will strengthen the professions and increase public trust

