

ABR
THE
AMERICAN
BOARD OF RADIOLOGY

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Residency Requirements and Board Certification & MOC

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Nothing to Disclose

Overview

- Initial Certification by the **ABR**
- Core and Certifying Examinations
- RRC requirements related to Breast Imaging
- Maintenance of Certification

Initial Certification

- Certification: marker for high standard of care
- **ABR** Certifies 4 specialties:
 - Diagnostic Radiology
 - Interventional radiology
 - Radiation Oncology
 - Medical Physics

Initial Certification

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- **ABR** Certifies 4 specialties:
 - **Diagnostic Radiology: includes Breast Imaging**
 - Interventional radiology
 - Radiation Oncology
 - Medical Physics

Initial Certification DR

- One year of clinical medical training
- 4 years of diagnostic radiology training
- Include minimum 3 months breast imaging
- Complete residency training
- Take and pass **ABR** Core and Certifying Exams

Initial Certification DR

- Core Examination
 - image rich
 - computer-based
 - must take after 36 months of residency training



- [illegible]

Initial Certification DR

- Core Examination
 - 18 subspecialty and modality categories
 - one of these is **Breast Imaging**
 - **Physics** section also includes breast imaging

Initial Certification DR

- Core Examination
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 - one of these is **Breast Imaging**
 - **Physics** section also includes breast imaging
 - Exam takes 2 days
 - 7.5 hours on day one with 30 minute break
 - 6 hours on day two with 30 minute break

Initial Certification DR

- Core Examination
 - 18 subspecialty and modality categories
 - one of these is **Breast Imaging**
 - **Physics** section also includes breast imaging
- **ABR** provides tools to prepare for the exam

Initial Certification DR

- Core Examination: breast imaging TOOLS
 - **ABR** core study guide

Initial Certification DR

- Core Study Guide, Breast Imaging
 - Regulatory
 - Screening
 - Diagnostic
 - Pathology
 - Imaging Findings
 - Intervention
 - Physics

Initial Certification DR

- Core Study Guide, Breast Imaging (examples)
 - Regulatory audits, BIRADS, QA/AC
 - Screening indications, nl anatomy, lesion detection, risk factors
 - Diagnostic appropriate imaging, eval of masses, d/c, etc, post surg eval
 - Pathology benign and malignant ds, high risk lesions
 - Imaging Findings calcs, masses, asymm, arch dist, findings on US, MRI
 - Intervention biopsy, spec xray, concordance, safety
 - Physics dose, target/filter combos, optimizing tech

Initial Certification DR

- Core Examination: breast imaging TOOLS
 - ABR core study guide
 - **ABR** Breast Imaging Blueprint

Initial Certification DR

- **Blueprint, Breast Imaging**

- | | |
|---------------------------|----------------------------|
| 1. Screening (5-10%) | 9. Arch Distort (1-5%) |
| 2. Regs/Standards (5-10%) | 10. Asymmetries (1-5%) |
| 3. Pathology (5-10%) | 11. Lymph nodes (1-5%) |
| 4. Technique (5-10%) | 12. Male (1-5%) |
| 5. Symptomatic (5-10%) | 13. Implants (1-5%) |
| 6. Inflammatory (1-5%) | 14. Cancer work up (5-10%) |
| 7. Calcifications (5-10%) | 15. Physics (15-20%) |
| 8. Masses (5-10%) | 16. Quality/Safety (5-10%) |

Initial Certification DR

- Core Examination: breast imaging TOOLS
 - ABR core study guide
 - ABR Breast Imaging Blueprint
 - **ABR** practice examinations

Initial Certification DR

- Core Examination
 - 18 subspecialty and modality categories
 - one of these is Breast Imaging
 - Physics section also includes breast imaging
 - must pass all sections to get a passing result
 - if 1-5 sections are failed = **conditioned**
 - failing > 5 sections = **fail**, must repeat entire exam

Initial Certification DR

- Certifying Examination
 - only for those who have passed the Core Exam
 - taken 15 months AFTER completion of residency



- [illegible]



Initial Certification DR

- Certifying Examination
 - 5 sections – must pass all 5

Initial Certification DR

- Certifying Examination
 - 5 sections
 - 2 required by **ABR**
 - Noninterpretive Skills (NIS)
radiation safety, contrast rxn, communication, etc
 - Essentials of Radiology
pneumothorax, nonaccidental trauma, subdural, etc

Initial Certification DR

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 - 3 chosen by candidate (of 12 topic areas)

Initial Certification DR

- Certifying Examination
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breast, general, cardiac, GI, MSK, Neuro, NM, Peds, Chest, US, GU, VIR

Initial Certification DR

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- Possible for a candidate to become board certified without testing in the breast imaging module

Initial Certification DR

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 - 5 sections
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 - 3 chosen by candidate (of 12 topic areas)

breast, general, cardiac, GI, MSK, Neuro, NM, Peds, Chest, US, GU, VIR

- ❖ ALL MUST HAVE PASSED BREAST IMAGING ON THE CORE EXAM
- ❖ NIS PORTION (REQUIRED) CONTAINS IMPORTANT TOPICS
THAT PERTAIN TO BREAST IMAGING

Initial Certification DR

- Certifying Exam: NIS Section Curriculum
 - breast screening
 - statistics of scientific & screening literature
 - recall rates
 - communication of results / structured reporting
 - quality improvement
 - radiation safety
 - confidentiality and general professionalism

Initial Certification DR

Diplomates of the ABR

must demonstrate competence in
comprehensive medical practice skills

- ✓ Training requirements
- ✓ Core Examination
- ✓ Certifying Examination

RRC requirements

- The Accreditation Council for Graduate Medical Education (ACGME) Residence Review Committee (RRC) for diagnostic radiology requires three months of breast imaging. The latest RRC regulations state: "Residents must have a minimum of 12 weeks of clinical rotations in breast imaging" and "Residents. . . must perform interpretation/multi-reading of at least 240 mammograms within a six-month period during their last two years of the residency program."
- Because the MQSA governs x-ray mammography experience, all breast imaging rotations are expected to include mammography.

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- With the ABR oral boards no longer offered at the end of residency, the MQSA regs make it essentially mandatory for the 240 interpretation requirement to be performed during the last 6 months of residency.

MOC for DR

- MOC = Maintenance of Certification
- All time limited certificate holders (2002+)
- Voluntary for life-time certificate holders

MOC for DR

- **6 ESSENTIAL COMPETENCIES** as defined by the Accreditation Council on Graduate Medical Education (ACGME) and the American Board of Medical Specialties (ABMS):
 - Medical knowledge
 - Patient care and procedural skills
 - Interpersonal and communication skills
 - Professionalism
 - Practice-based learning and improvement
 - Systems-based practice

MOC for DR

- MOC consists of 4 parts:
 - Part 1: Professional Standing
 - Part 2: Lifelong Learning and Self-Assessment
 - Part 3: Cognitive Expertise
 - Part 4: Practice Quality Improvement (PQI)

MOC for DR

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 - **Part 3: Cognitive Expertise**
 - Part 4: Practice Quality Improvement (PQI)

MOC for DR

- MOC Cognitive Expertise Examination
 - 4 modules / 4 hours allotted for the test
 - Includes NIS, as with Certifying Exam
 - 3 modules selected by the candidate
- Required once every 10 years

Other Issues

- **ABR** informs radiologists of MQSA continuing requirements (www.theabr.org)
- Breast Imaging CE can be used for SAM requirements of MOC
- PQI projects involving breast imaging available

Summary

- The ABR is dedicated to high standards in training and education
- Diplomates have comprehensive medical practice skills
- Breast Imaging is an important component of radiology education
- Core Exam in Breast Imaging must be passed
- Certifying/MOC Exams help assess those who have special interest in breast imaging



Residency Requirements/Board Certification/MOC

THANK YOU

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