

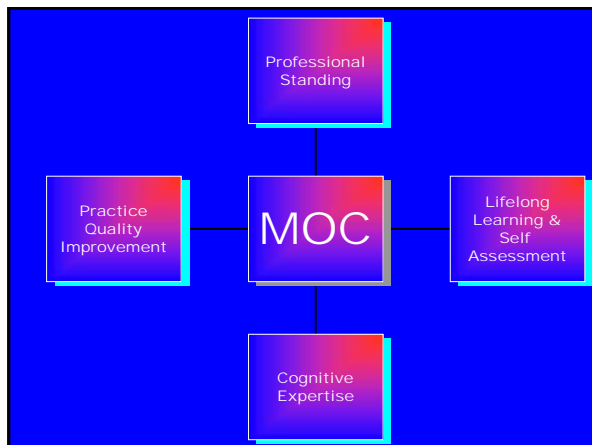
MOC

Maintenance of Certification

G. Donald Frey, Ph.D.

Paradigm Shift

- Old
 - Training
 - Certification: Lifetime
 - CME
 - Reputation
- New
 - Training
 - Certification: Time-limited
 - MOC: Lifelong process
 - Objective assessments



Status

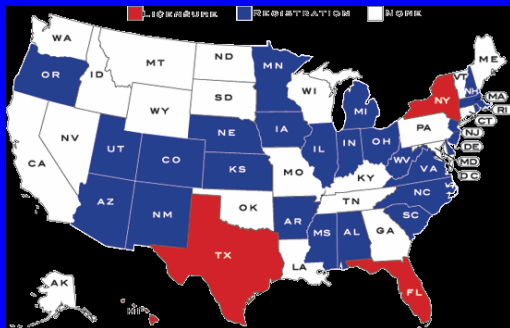
- Time Limited Certificates started in 2002

| | |
|---|------------|
| Time Limited Certificates Enrolled in MOC | 731 94% |
| Have entered LLL or SAM's | 12% |
| Are current with fees | 76% |

MOC Is Dynamic

- The MOC Requirements Change
- New Elements Come into Effect in the Later Years of Each Cycle





Attestation

- Attestation is a way for non-licensed Medical Physicists to have medical physicists and physicians familiar with them to attest to their professional standing
- Attestation process is linked to the six competencies

Six Competencies

- Patient Care
- Practice Knowledge
- Interpersonal & Communication Skills
- Professionalism
- Practice Based Learning & Improvement
- Systems-based Practice

ABR Personal Data Base

Welcome back Dr. G. Donald Frey !

You last signed in on May 10 2009 12:07PM

MOC Enrollment: You are currently enrolled in: MOC in Medical Nuclear 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 Medical Nuclear Physics & MOC in Diagnostic Radiologic Physics will complete in 2015.

Part 1: [Professional Standing](#) Attestation is due in year 6 of your MOC cycle.
 Part 2: [Lifelong Learning & Self Assessment](#) 50 Category 1 Credits, 15 SOAP Credits, 8 SOAPs
 Part 3: [Cognitive Expertise](#) Exams to be available starting in 2010.
 Part 4: [Practice Quality Improvement](#)

News

IMPORTANT! BE SURE TO SEE YOUR 2009 RADIOLOGIC PHYSICS ABR-MOC ANNUAL UPDATE. Please follow this link: [2009 ABR Radiologic Physics MOC Annual Update](#). We value your 2009 data regarding Physics MOC Annual Update. This update contains important information regarding the ABR MOC program.

[Having a problem with the website?](#)

Attestee View – Professional Standing

Attestee View

Professional Standing Attestation

This portion is required if you have no valid state license during your MQC cycle.

To receive attestation you must first complete an application supplement form (available below) and enter the ABR ID number for the attestor that you have selected to perform your evaluation. Requestors will appear on the page as they are received by the attestor.

Enter Information: 1. Fill out the Attestation Supplement. 2. Contact the attestor that you will be using and obtain their ABR Identification number (ABR ID#) as well as their valid email address, and enter this information in the form under Step 2.

| Step 1: Attestation Supplement | | Step 2: Enter your Attestor | |
|-------------------------------------|--|---|--|
| Click here to begin | | Awaiting completion of step 1 | |

Attestor Status: Attestors will be contacted in the beginning of the first year of your governing cycle after your completion of the first 2 steps.

| Name | Contacted by ABR | Acknowledged Receipt | Date Response Received |
|------|------------------|----------------------|------------------------|
| John | No | No Receipt | Awaiting Response |
| John | No | No Receipt | Awaiting Response |

Attestation Standing / "Step 1: Attestation Supplement" Process Incomplete

Attestee View

Attestation Form Supplement for Radiologic Physicists

As a part of your Professional Standing requirement in the American Board of Radiology's Maintenance of Certification (MQC) program, you must have two attestations obtained in the early part of your MQC cycle. Both attestations must be handled with your personal contribution, and must be ABR certified. One must be a Diagnostic Physicist and the other a Diagnostic Radiologist or Radiation Therapist. These individuals must agree to your knowledge and ability in meeting the responsibilities associated with the practice of their specialty. Below, you are asked to supply a record of your accomplishments within the past five years in relation to such competencies as the attestation form. After completing the form you will have the opportunity to submit your answers to your ABR identification number.

Please list in a brief manner in a narrative form your relevant accomplishments in the last five years in each of the six competency areas below. Refer to the "General Competencies and Components of Evidence Practice" for additional information. There will be about only one attestation to provide background information for this stage. If you have questions, you may contact the ABR at attestation@abr.org.

1. Proficiency in Patient Care

Description:

- Gather essential and accurate information about the patient using the following tools:
 - Imaging and therapeutic tools and equipment
 - Physical measurements
 - Computational techniques
- Analyze patient and equipment performance data and make informed decisions:
 - Demonstrating effective and appropriate problem-solving skills
 - Understanding the limits of one's knowledge and expertise
 - Using radiation devices and ancillary equipment in an appropriate and safe manner
- Contribute effectively to patient care management plans
- Perform in a competent manner all radiological physics procedures considered essential for the scope of practice
- Counsel patients and families by providing information necessary to understand diagnostic imaging, treatment plans, and procedural safety
- Use information technology to optimize patient care

What do other doctors, your colleagues would be expected to use effectively:

2. Proficiency in Practice Knowledge

Description:

- Acquire current scientific knowledge including medical imaging and radiation therapy
- Acquire scientific knowledge in the use and improvement of medical imaging and treatment procedures in radiation therapy
- Use appropriate knowledge in the collection, use and evaluation of radiologic equipment used in the practice

1. Proficiency in Patient Care

Description:

- Gather essential and accurate information about the patient using the following tools:
 - Imaging and therapeutic tools and equipment
 - Physical measurements
 - Computational techniques
- Analyze patient and equipment performance data and make informed decisions:
 - Demonstrating effective and appropriate problem-solving skills
 - Understanding the limits of one's knowledge and expertise
 - Using radiation devices and ancillary equipment in an appropriate and safe manner
- Contribute effectively to patient care management plans
- Perform in a competent manner all radiological physics procedures considered essential for the scope of practice
- Counsel patients and families by providing information necessary to understand diagnostic imaging, treatment plans, and procedural safety
- Use information technology to optimize patient care.

520 characters remaining

1. Proficiency in Patient Care

Description:

- Gather essential and accurate information about the patient using the following tools:
 - Imaging and therapeutic tools and equipment
 - Physical measurements
 - Computational techniques
- Analyze patient and equipment performance data and make informed decisions:
 - Demonstrating effective and appropriate problem-solving skills
 - Understanding the limits of one's knowledge and expertise
 - Using radiation devices and ancillary equipment in an appropriate and safe manner
- Contribute effectively to patient care management plans
- Perform in a competent manner all radiological physics procedures considered essential for the scope of practice
- Counsel patients and families by providing information necessary to understand diagnostic imaging, treatment plans, and procedural safety
- Use information technology to optimize patient care.

Uses imaging equipment for surveys and physical measurements for patient dosimetry. Measures radiation exposures and calculates doses and other patient related quantities. Does appropriate surveys on equipment. Can advise radiologists and medical physicists about the performance status of equipment. Uses equipment safely. Is able to perform radiologic physics procedures. Is able to counsel patients and staff about radiation effects. Is able to use computers effectively.

Attestee View

Professional Standing Attestation

This portion is required if you have no valid state license during your MQC cycle.

To receive attestation you must first complete an application supplement form (available below) and enter the ABR ID number for the attestor that you have selected to perform your evaluation. Requestors will appear on the page as they are received by the attestor.

Enter Information: 1. Fill out the Attestation Supplement. 2. Contact the attestor that you will be using and obtain their ABR Identification number (ABR ID#) as well as their valid email address, and enter this information in the form under Step 2.

| Step 1: Attestation Supplement | | Step 2: Enter your Attestor | |
|-------------------------------------|--|---|--|
| Click here to begin | | Awaiting completion of step 1 | |

Attestor Status: Attestors will be contacted in the beginning of the first year of your governing cycle after your completion of the first 2 steps.

| Name | Contacted by ABR | Acknowledged Receipt | Date Response Received |
|------|------------------|----------------------|------------------------|
| John | No | No Receipt | Awaiting Response |
| John | No | No Receipt | Awaiting Response |

Attestation Standing / "Step 1: Attestation Supplement" Process Incomplete

Attestee View

Thank you

The ABR has successfully saved your supplement form.

You may now [view your attestation](#).

[Return to Professional Standing Attestation](#)

Attestee View



Attestee View



Attestee View



Attestee View



Attestee View



Attestee View



Attester View

ABR The American Board of Radiology
Personal Data Base

Home MOC Access ABR Status Certs & History Personal Info Payments Options/Help

ABR # 12345

Welcome back Dr. Robert Ralph Hattery I
You last signed in on Nov 17, 2009 11:49 AM

MOC Dashboard: You are currently enrolled as MOC in Diagnostic Radiology.
License(s): Your AZ state license expires on 12/15/2009.
Payments: Your current balance due is \$0.00.
MOC Status: Your MOC Cycle in Diagnostic Radiology will complete in 2014.
 Part 1: Professional Standing 1 item(s) on file
 Part 2: Lifelong Learning & Self Assessment 20/25 Category 1, 0/000 Category 2, 0/000
 Part 3: Continuous Education You are currently Partially Compliant in PCL
 Part 4: Practice Quality Improvement

Response Needed: You currently have 1 phorbic awaiting your attestation of their Professional Standing.
[Please review and respond to these requests here.](#)

News
IMPORTANT: BE HOME TO SEE YOUR 2008 DIAGNOSTIC RADIOLOGY ABR MOC ANNUAL UPDATE.
 Please follow the link [2008 Diagnostic Radiology MOC Annual Update](#) to view your 2008 ABR Diagnostic Radiology MOC annual update. The update contains important information regarding the ABR MOC program.

[Having a problem with the website?](#)

Home MOC ACCESS ABR STATUS CERTS & HISTORY PERSONAL INFO PAYMENTS OPTIONS/HELP TERMS MOC DASHBOARD INFO ABR ACCESS STATUS HISTORY INFO HELP OF USE AGREEMENT INFORMATIONAL SITE

Copyright © 2009 The American Board of Radiology. All rights reserved.

Attester View

ABR The American Board of Radiology
Personal Data Base

Home MOC Access ABR Status Certs & History Personal Info Payments Options/Help

ABR # 12345

Professional Standing Attestation
 Please respond below for all those requesting attestation

Please take a moment to acknowledge receipt of the request(s) for you to attest for the person(s) below. You may begin the attestation by clicking on the person's name. The attestation form is one page and should take approximately one minute to complete. Thank you for providing the useful information to The ABR.

Instructions: For all the people listed below please select whether you will attest to their professional standing or choose to reject the request. A sample of the attestation form [can be found here](#). You may click on the person's name to attest for them after you've agreed to attest.

[Return After Home MD](#)
 Karen Patrick McGee PhD ☐ I will attest ☐ I choose not to attest

Home MOC ACCESS STATUS HISTORY INFO HELP OF USE AGREEMENT INFORMATIONAL SITE

Copyright © 2009 The American Board of Radiology. All rights reserved.

Attester View

ABR The American Board of Radiology
Personal Data Base

Home MOC Access ABR Status Certs & History Personal Info Payments Options/Help

ABR # 12345

Professional Standing Attestation
 Please respond below for all those requesting attestation

Please take a moment to acknowledge receipt of the request(s) for you to attest for the person(s) below. You may begin the attestation by clicking on the person's name. The attestation form is one page and should take approximately one minute to complete. Thank you for providing the useful information to The ABR.

Instructions: For all the people listed below please select whether you will attest to their professional standing or choose to reject the request. A sample of the attestation form [can be found here](#). You may click on the person's name to attest for them after you've agreed to attest.

[Return After Home MD](#)
 Karen Patrick McGee PhD

Home MOC ACCESS STATUS HISTORY INFO HELP OF USE AGREEMENT INFORMATIONAL SITE

Copyright © 2009 The American Board of Radiology. All rights reserved.

Attester View

ABR The American Board of Radiology
Personal Data Base

Home MOC Access ABR Status Certs & History Personal Info Payments Options/Help

ABR # 12345

Letter of Attestation

Dear Dr. Robert Ralph Hattery:

Karen Patrick McGee PhD is participating in the American Board of Radiology's Maintenance of Certification (MOC) program. Following successful completion of the MOC process, the diplomate receives a one-year extension of ABR certification. As part of the process, diplomates are required to share their expertise in their knowledge and experience in meeting the responsibilities associated with the performance of radiologic physics. Attestation statements are one of the methods by which diplomates can be evaluated by the public's current knowledge. The ABR requests your written (electronic) evaluation of Karen Patrick McGee PhD in the request. Please submit one completed evaluation below within three business days. If you are unable to respond, please email the ABR at [attestation@abr.org](#).

A. **Attestation to the Diplomate**
☐ Professional Colleague
☐ Supervisor
☐ Other (Describe): _____

B. **Evaluate the diplomate in the six competency areas listed below. Indicate on each of these areas if provided in the attached document below: [Clinical Competency and Competency of Radiologic Physics](#)**

1. **Proficiency in Patient Care**
 Description:
 Diplomate provided and accurate information about the patient using the following tools:
☐ Imaging and therapeutic tools and equipment
☐ Physical examination
☐ Computerized images
☐ Auditory patient and equipment performance files and audio waveform displays
☐ Understanding the basic of one's knowledge and expertise
☐ Using radiologic devices and another equipment in an appropriate and safe manner
☐ Capable of directing in patient care management plans
 Proficiency is a required element of accreditation of patient procedures considered essential for the scope of practice
☐ Consistent patient and families for providing information necessary to understand diagnostic imaging
☐ Consistent patient and families with
☐ Use of information technology to optimize patient care

Attester's Response:
 The above Patient Care information would be issued by the attester.
 Your Evaluation of Karen Patrick McGee PhD's Patient Care:
☐ Acceptable ☐ Debatable

2. **Proficiency in Physics Knowledge**
 Description:
 Diplomate is a competent knowledge radiologic physics work of imaging and radiologic sciences

Attester View

Image acquisition and processing, and the treatment of radiation therapy.

- Display information in a manner in support of medical imaging and radiation therapy
- Consult with physician and other personnel for optimization of imaging and treatment procedures for patients
- Consult as a resource to others during education and collaboration
- Maintain equipment, level and high quality results

Attester's Response:
 The above Physics Knowledge information would be issued by the attester.
 Your Evaluation of Karen Patrick McGee PhD's Physics Knowledge:
☐ Acceptable ☐ Debatable

3. **Proficiency in Interpretation and Communication Skills**
 Description:
 Diplomate is able to work with colleagues, including physicians, other physicians and radiologic support personnel, to create and maintain a professional relationship.
 Diplomate is able to work with the public in a professional and knowledgeable manner.
 Diplomate is able to work with others during education and collaboration.
 Diplomate is able to work with others during education and collaboration.

Attester's Response:
 The above Interpretation and Communication Skills would be issued by the attester.
 Your Evaluation of Karen Patrick McGee PhD's Interpretation and Communication Skills:
☐ Acceptable ☐ Debatable

4. **Proficiency in Professionalism**
 Description:
 Diplomate consistently demonstrates high standards of ethical behavior.
 Diplomate is able to work with others in a professional and knowledgeable manner.
 Diplomate is able to work with others during education and collaboration.
 Diplomate is able to work with others during education and collaboration.
 Diplomate is able to work with others during education and collaboration.

Attester's Response:
 The above Professionalism information would be issued by the attester.
 Your Evaluation of Karen Patrick McGee PhD's Professionalism:
☐ Acceptable ☐ Debatable

5. **Proficiency in Practice Based Learning and Improvement**
 Description:
 Diplomate consistently demonstrates high standards of ethical behavior.
 Diplomate is able to work with others in a professional and knowledgeable manner.
 Diplomate is able to work with others during education and collaboration.
 Diplomate is able to work with others during education and collaboration.
 Diplomate is able to work with others during education and collaboration.

Attester View

ABR The American Board of Radiology
Personal Data Base

Home MOC Access ABR Status Certs & History Personal Info Payments Options/Help

ABR # 12345

Thank you

The ABR has received your attestation for Karen Patrick McGee PhD

[Return to my list of Attesters](#)

OR

[Return to the Home page](#)

Home MOC ACCESS STATUS HISTORY INFO HELP OF USE AGREEMENT INFORMATIONAL SITE

Copyright © 2009 The American Board of Radiology. All rights reserved.

Attestee View

ABR The American Board of Radiology
Personal Data Base

MOC Access: ABR Status: Certs & History: Personal Info: Payments: Options/Tools: Logout

WFO4 4 00000

Professional Standing Attestation

This portion is required if you have an valid state license during your MOC cycle.

To receive attestation you must first complete an application requirement form (available below) and enter the ABR ID numbers for the attestors that you have selected to perform your evaluation. Registrars will appear on this page as they are required by the attestors.

Enter Information: 1. Fill out the Attestation Supplement. 2. Contact the attestors that you will be using and obtain their ABR identification numbers (ABR ID's) as well as their e-mail address, and enter the information in the form under Step 2.

| Step 1: Attestation Supplement | Step 2: Enter your Attestors |
|--------------------------------|------------------------------|
| Completed | Completed |

Attestor Status: Attestors will be contacted in the beginning of the 1st year of your governing cycle after your completion of the first 2 steps.

| Name | Contacted by ABR | Acknowledged Receipt | Date Response Received |
|--------------------|------------------|----------------------|------------------------|
| John Smith | Yes | 05/19/2008 | 05/19/2008 |
| Robert Ralph Brown | Yes | 05/19/2008 | 05/19/2008 |

Attestation Standing: In Compliance

Home MOC ABR Status Certs & History Personal Info Payments Options/Tools Logout

Copyright © 2008 The American Board of Radiology. All rights reserved.

Attestee View

ABR The American Board of Radiology
Personal Data Base

MOC Access: ABR Status: Certs & History: Personal Info: Payments: Options/Tools: Logout

WFO4 4 00000

Welcome back Dr. Kieran Patrick McGee I
You last signed in on May 19, 2008 7:48AM

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

License(s): You do not have any state licenses on file with the ABR.

Exemptions: Your current balance due is \$0.00.

MOC Status: Your MOC cycle in Therapeutic Radiologic Physics will complete in 2011.

Part 1: Endorsed Standing In Compliance

Part 2: Lifelong Learning & Self Assessment 2,843, 2,844, 2,845, 2,846, 2,847, 2,848, 2,849

Part 3: Quantile Exemption

Part 4: Practice Quality Improvement

Exams to be available starting in 2010.

News

IMPORTANT! BE SURE TO GET YOUR 2008 RADIOLOGIC PHYSICS ABR MOC ANNUAL UPDATE.
Please follow the link: 2008 ABR Radiologic Physics MOC Annual Update to view our 2008 ABR Radiologic Physics MOC Annual Update. This update contains important information regarding the ABR MOC program.

[Return to the ABR website?](#)

Home MOC ABR Status Certs & History Personal Info Payments Options/Tools Logout

Copyright © 2008 The American Board of Radiology. All rights reserved.

Lifelong Learning & Self Assessment

- 25 hours of MPCEC or Category I
- 2 SAMS

Lifelong Learning

- Changed the requirement in 2007
 - From 500 [50 per year] Hours (Cat I & Cat II)
 - To 250 [25 per year] Hours (Cat I)
- 15 hours per year can come from SDEP's
 - Self Directed Educational Project

Self Assessment Modules

- 20 [2 per year]
- AAPM offers SAMS at the Annual Meeting
- Soon the will be online
- Other organizations offer SAM's for medical physicists

Radiologic Physics

Radiologic Physics SAMs

The SAMs listed below are currently available through websites. The individual SAM hyperlinks have been provided by the SAM sponsoring organization. If you have questions or concerns locating a specific offering, please contact the appropriate sponsoring organization. Other SAMs are available through meetings and conferences. Please check with organizations such as AAPM, ACMP, and RSNA prior to annual meetings for availability.

Note: Radiologic Physicists must take at least 20% of their SAM credits (4 SAMs over a 10-year MOC cycle) in SAMs pertaining to each of their certification areas (Diagnostic Physics, Therapeutic Physics, and/or Nuclear Medicine Physics). Physics General Content SAMs may be used to satisfy this requirement if the topic is relevant to the area of certification.

| Category | Title of SAM | Society | Version |
|-------------------------|---|---------|---------|
| Physics General Content | | | |
| | Radiation Dosimetry and Dose Risk (Check for Availability) | RSNA | Online |
| | Mammography: Dosimetry & Digital Technology | RSNA | Online |
| | CT Image Quality & Peds Clinical Consideration | RSNA | Online |
| | Radiation Protection and Dosimetry in PET and PET/CT | SNM | Online |
| | Partial Volume Effect in PET Tumor Imaging | SNM | Online |
| | Basic Science of PET and PET/CT | SNM | Online |
| | Basic Science Physics & Instrumentation: Recent Advances in Spect Imaging | SNM | Online |
| | To access SNM SAMs, click on "Enrollment and Pricing", then select "Physicians" | | |
| | | | |

MOC

- 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

Getting Behind

| 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | |
|------|------|------|------|------|------|------|------|------|------|-----|
| 0 | 50 | 20 | 30 | 25 | 10 | 50 | 25 | 20 | 30 | 260 |

| 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 | 50 | 200 |
|---|---|---|---|---|---|----|----|----|----|-----|
|---|---|---|---|---|---|----|----|----|----|-----|

There is a point where it is impossible not to have a lapse in your certification. Enters "Non-recoverable" status

Year Entered MOC

you will have some period of lapse if you have not done any MOC or SAM's by

| 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
|------|------|------|------|------|------|------|
| 2009 | 2010 | 2010 | 2011 | 2012 | 2013 | 2014 |
| 2010 | 2010 | 2011 | 2011 | 2012 | 2013 | 2014 |

LLL

SAM

Dr. G. Donald Frey (ABR ID P0516)

Logout

Welcome back Dr. G. Donald Frey !

You last signed in on Jun 26 2008 5:55AM

MOC Enrollment: You are currently enrolled in: MOC in Medical Nuclear 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 Medical Nuclear Physics & MOC in Diagnostic Radiologic Physics will complete in 2015.

Part 1: Professional Standing

Part 2: Lifelong Learning & Self Assessment

Part 3: Cognitive Expertise

Part 4: Practice Quality Improvement

Attestation is due in year 6 of your MOC cycle.

155 Category 1 Credits

19 SDEP Credits

4 SAMS

Exams to be available starting in 2010.

Official CME/SAM Attestation (Required)

Record your official Category 1, SDEP, & SAM count here.

| Year Credited (YYYY) | Category 1 Credits | SDEP Credits (3 Project=15 Credits) | SAM Credits | |
|----------------------|--------------------|--|-------------|----|
| 2008 | 20 | 0 | 0 | Go |
| 2007 | 50 | 0 | 4 | Go |
| 2006 | 35 ** | 15 | 0 | Go |
| 2005 | 50 | 0 | 0 | Go |
| 2004 | 0 | 0 | 0 | Go |

*All CME credits (Category 1 & SDEP) before Dec 09, 2004 and SAM credits before Dec 09, 2004 cannot be applied to your MOC Cycle. Please ensure your total credits attributed for those years does not include credits earned prior to those dates. ** CME Gateway reports you have at least 70.5 Category 1 credits for 2006.

You may claim a maximum of 50 Category 1 credits per year.

CME/SAM personal tools (Optional)

This area is for your personal records and is not reported to The ABR.

| ASTRO Authenticated Credits | | CME Gateway Authenticated Credits | | Credits I've Accumulated Self-Entered (Not Authenticated) | |
|--------------------------------|--------------|--------------------------------------|----------------|--|------|
| Year Credited | Organization | Category 1 Credits | SAM Credits | 2008 | 2007 |
| 2007 | CAMPEP | 94 | | 2006 | |
| 2007 | RSNA | 15 | 2 | 2005 | |
| 2006 | CAMPEP | 47.25 | | 2004 | |
| 2006 | RSNA | 23.25 | | 2003 | |
| 2005 | RSNA | 16.75 | | Previous Years | |

CMEgateway.org

Quick Start

The CME Gateway allows you to view, print or generate reports of your CME credits from multiple societies.

If you already have an account with this web site, please log in.

If you need to create an account, click on the "New User" link at the bottom of this page.

What is the CME Gateway?

It is an aggregation of CME credits (and other continuing education credits) issued by participating medical societies. It consists of a cross platform data standard, software tools for collecting and aggregating these data, and a Web site to allow physicians to display and print reports from these data.

The CME Gateway Is Not

A single CME credit facility. Storage of CME credits remains in the control of each participating society. Each society phones only the data they wish to share.

Functional Description

The gateway requires information from participating societies for an individual by cross referencing a unique member ID for each society to a single gateway ID.

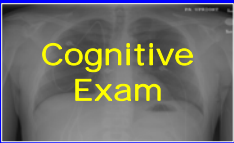
Participating society's member ID is then used to collect and aggregate CME data from participating societies and to generate online reports.

Join Now!

Click the link below to create your CME Gateway account.

Join the Site





- One per Cycle
- Take in years
 - 8, 9, 10
- Pilot in 2009
- First Exam 2010

Study Guides Will Be Provided

Sample Data from NMP Study Guide

General Information
 Approximately 30% of the material on the examination is core nuclear medicine physics, technology and safety. The rest is taken from recent advances in the field.

Length and Structure
 The exam is approximately 100 questions in length. All questions are multiple choice questions. Most have four possible answers. The standard Microsoft Calculator is available but no complex calculations are required.

Clinical Procedures

Candidates should have a general knowledge of common diagnostic and therapeutic nuclear medicine procedures

Reports and Documents

- AAPM Task Group 108: PET and PET/CT Shielding Requirements
- NCRP 134: Operational Radiation Safety Training
- NCRP Report 138: Management of Terrorist Events Involving Radioactive Material
- NCRP Report 147: Structural Shielding Design for Medical Imaging Facilities
- BEIR VII:
- NRC Regulations relevant to nuclear medicine
- ACR Nuclear Medicine Practice Guidelines and Technical Standards for Nuclear Medicine
- MIRD Dose Estimate Report No. 19: Radiation Absorbed Dose Estimates from 18F-FDG

Protocols and Testing Procedures

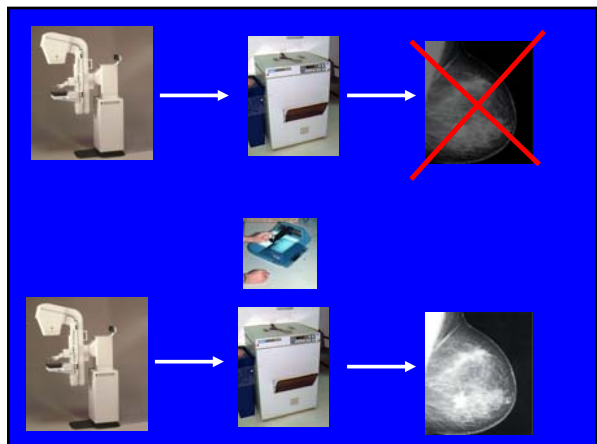
- ACR CT Accreditation
- ACR SPECT Accreditation
- ACR PET Accreditation
- PET Performance Measurements Using the NEMA NU 2-2001 Standard
- Performance Measurements of Scintillation Cameras Using NEMA NU 1-2001 Standard

Practice Quality Improvement

- 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
 - Institute of Medicine "To Err Is Human"
- Industrial Experience from Manufacturing
 - Process Control

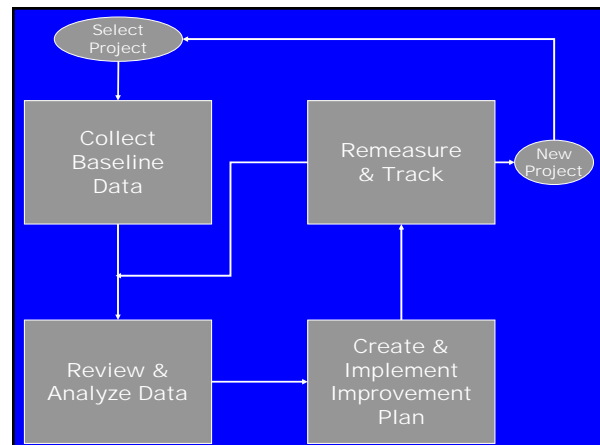


“All Radiologic Physics diplomates must be trained in the process and procedures of quality improvement ...

First Steps

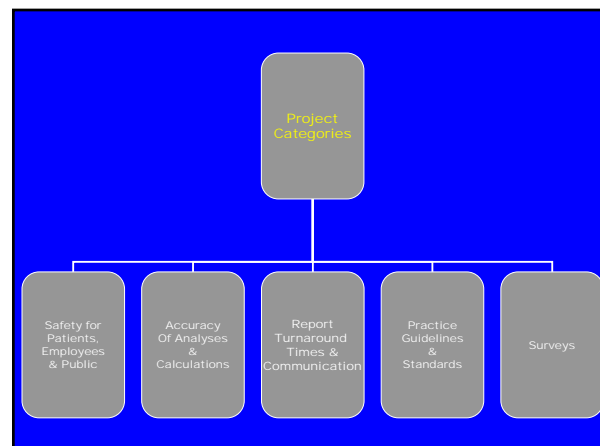
- Training is the First Step
- We need to learn to do effective projects that improve health and safety
- We need to incorporate PQI into the fabric of the culture of our work
- It took Toyota more than 20 years to transform it's manufacturing culture

ABR PQI Process

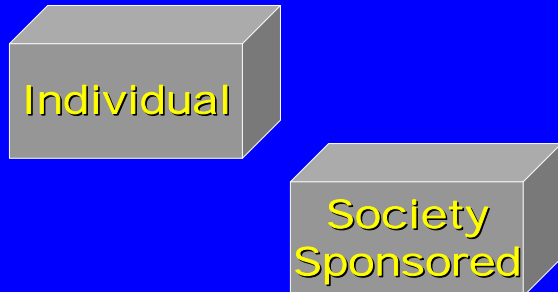


The 10 yr Cycle

| Year of Cycle | A guideline of what might be done each year of the ten-year MOC cycle |
|---------------|---|
| 1 | • Quality Improvement education (First cycle) |
| 2 | • Select project and metrics • Collect baseline data |
| 3 | • Analyze data • Create improvement plan |
| 4 | • Implement improvement plan • Might include data collection |
| 5 | • Collect data • Compare to initial baseline • Summarize, draw conclusions |
| 6 | • Select new project and metrics or modify improvement plan for previous project • Collect baseline data |
| 7 | • Analyze data • Create improvement plan (if new project) |
| 8 | • Implement improvement plan • Might include data collection |
| 9 | • Collect data • Compare to initial baseline • Summarize, draw conclusions |
| 10 | Cycle concludes |



Types of Projects



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.
- Fee for someone with a MOC cycle starting in 2008 is \$180 per year

Late (or No) Payment Has Been An Issue

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

The ABR Takes the Following Steps to Keep Enrolled Individuals Informed

- 1) Discussions held at ABR Booth at society meetings
- 2) Pamphlets distributed at various society meetings
- 3) Trustee presentations at various society meetings
- 4) Articles, announcements in paper and electronic newsletters of various societies
- 5) The Beam
- 6) Articles published in Radiology, AJR, the Red Journal, etc.
- 7) Email from the ABR
- 8) Snail mail/postcards from ABR
- 9) Website content and FAQs
- 10) Direct email responses to individual email questions
- 11) One-on-one phone conversations with diplomates in office
- 12) Surveys

MOC

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