Maintenance of Certification: The Fun and Easy Way ☺

Charles Bloch, PhD
Associate Professor
University of Washington School of Medicine
Chair, AAPM Online Learning Services Subcommittee

UNIVERSITY OF WASHINGTON
MEDICAL CENTER
UW Medicine

Disclosures

- No real conflicts of interest to disclose

My Background

- Entered the MOC in 2006
- Audited by ABR in 2011 (passed)
  - ABR Audits 10% of MOC participants each year
  - HW: What is the probability of not being audited over a 10 year period?
- Took MOC exam Nov. 10, 2014 (results in 3 to 6 weeks)

Objectives

1) Review ABR MOC requirements

2) Understand 2013 changes to ABR MOC requirements

3) Understand online continuing education offerings at AAPM website including changes made in response to new MOC requirements

MOC

- In 2002 the ABR implemented time-limited board certification for medical physicists.
- Maintenance of Certification (MOC) demanded meeting certain requirements over a 10 year period to have board certification renewed:
  - Professional Standing (practicing medical physics)
  - Lifelong learning (250 category 1 CE credits + 20 SAMs over 10 years)
  - Cognitive Expertise (an exam)
  - Practice Quality Improvement (???)
- Requirements were intended to be met continuously over the 10 year period.

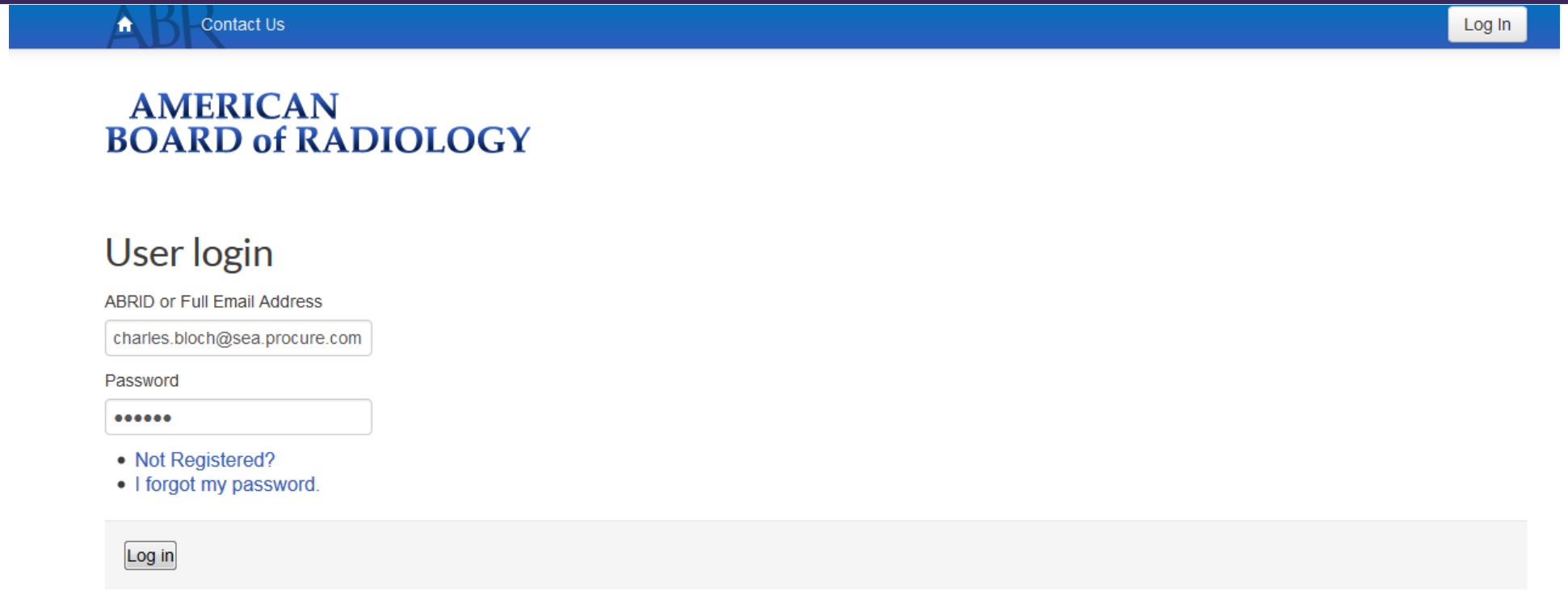
MOC

- ABR discovered that some physicists are procrastinators. (News flash)
- 250 CE credits over 10 years was supposed to be ~25/year, not 250 in year 10. This is why they are called "continuing" education credits.
- 20 SAMs over 10 years was supposed to be ~2/year. Maximum allowed was 4/year, except for people who forgot to get any during their first 5 years…

MOC: 2013 changes

- Certificates are no longer 10 year, but "continuing" based on annual compliance with MOC requirements.
- Annual MOC evaluation is based on 3-year rolling average: 75 CE credits over previous 3 years.
  - After 3 years in the MOC you should have at least 75 CE credits.
  - From then on, any 3 year period should have at least 75 CE credits.
- In ADDITION, at least 25 of the CE credits must have "self-assessment" (SA-CME).
  - Could be a SAM, but no explicit SAM requirement
  - **All AAPM *ONLINE* CE is now SA-CME!**

Myabr.theabr.org



myabr.theabr.org

AMERICAN BOARD of RADIOLOGY

- Home
- Certificates / Recognition
  - *Maintenance of Certification*
- Professional Standing
- Lifelong Learning
- Cognitive Expertise
- Practice Quality Improvement
- Optional Programs
- Payments
- Personal Information
- Agreements
- Customer Service
- Help
- Contact Us

Certifications/Public Reporting Status

Program	Status	Public Reporting Status
No data to display		

Maintenance of Certification Status

Status: Active Enrollment Date: 06/21/2006

Requirement	Status		
Professional Standing	1 Active State License(s)		Go
Lifelong Learning	**Total Completed**	45.01 of 75 CMEs	Go
	Notice: You have 29.99 remaining CME credits to be completed, of which 25 must be Self-Assessment CME (SA-CME) credits		
Cognitive Expertise	**Next Exam**	Not Available -	Go
Practice Quality Improvement (PQI)	**Total Completed**	0	Go

Myabr.theabr.org

AMERICAN BOARD of RADIOLOGY

- MOC Home
- Certificates / Recognition
- Maintenance of Certification
  - Professional Standing
  - MP Attestation
  - Lifelong Learning
  - Cognitive Expertise
  - Practice Quality Improvement
- Optional Programs
- Payments
- Personal Information
- Agreements
- Help
- Contact Us

Professional Standing

Requirement Maintain active, current, valid, and unrestricted licenses relevant to all locations of practice.

Status Licenses Active: 1 License(s)
Licenses Expired: 0 License(s)

Active State Licenses

Add State License

State	Issue Date	Expiration Date	
Texas	03/09/2005	06/30/2016	Edit Delete

Expired State Licenses

State	Issue Date	Expiration Date
No data to display		

Myabr.theabr.org

AMERICAN BOARD of RADIOLOGY

Home

- MOC Home
- Certificates / Recognition
- Maintenance of Certification
- Professional Standing
- MP Attestation
- Lifelong Learning
- Cognitive Expertise
- Practice Quality Improvement
- Optional Programs
- Payments
- Personal Information
- Agreements
- Help
- Contact Us

MP Attestation

The following steps are required if you have no valid state licensure during your MOC cycle:

Begin Step 1 — Fill out your Self-Competency Attestation.

Begin Step 2 — Select and contact the attesters that will be filling out your evaluation.

Attester Status

Edit Attesters

ABR Certified	Name	Discipline	Email	Email Notification Sent to ABR	Evaluation Start Date	Status
No data to display						

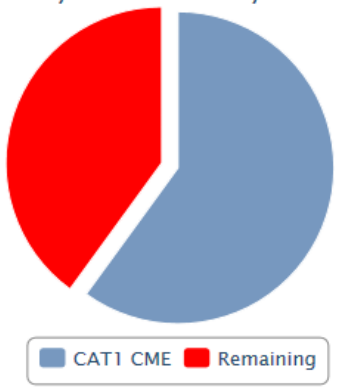
myabr.theabr.org

- Home
- Certificates / Recognition
  - *Maintenance of Certification*
- Professional Standing
- Lifelong Learning
- Cognitive Expertise
- Practice Quality Improvement
- Optional Programs
- Payments
- Personal Information
- Agreements
- Customer Service
- Help
- Contact Us

Lifelong Learning

FAQ Click here to view the Lifelong Learning FAQ.
Requirement 75 CME every three years, at least 25 of which must be Self-Assessment CMEs.
Look Back A look-back determines if your requirements have been met.

Total CME Credits
Applied to your current 3-year look-back



Total Self-Assessment activities
Applied to your current 3-year look-back

Official CME/Self-Assessment CME (SA-CME) Credit Attestation

Add Credits

Credit Year	Source	Cat1 CME	SAM	SA-CME	
2012	Gateway	18.34	-	0	View
2013	Gateway	26.67	-	0	View

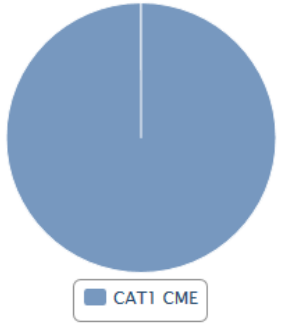
myabr.theabr.org

- MOC Home
- Certificates / Recognition
- Maintenance of Certification
  - Professional Standing
  - Lifelong Learning
  - Cognitive Expertise
  - Practice Quality Improvement
- Optional Programs
- Payments
- Personal Information
- Agreements
- Help
- Contact Us

Lifelong Learning

FAQ Click here to view the Lifelong Learning FAQ.
Requirement 75 CME every three years, at least 25 of which must be Self-Assessment CMEs.
Look Back A look-back determines if your requirements have been met.

Total CME Credits
Applied to your current 3-year look-back



Total Self-Assessment activities
Applied to your current 3-year look-back

Official CME/Self-Assessment CME (SA-CME) Credit Attestation

Add Credits

Credit Year	Source	Cat1 CME	SAM	SA-CME	
2014	Both	47.36	-	0	View/Edit
2013	Gateway	27.67	-	0	View
2012	Gateway	18.34	-	0	View

Show Personal Use Credits | Show Archived Credits

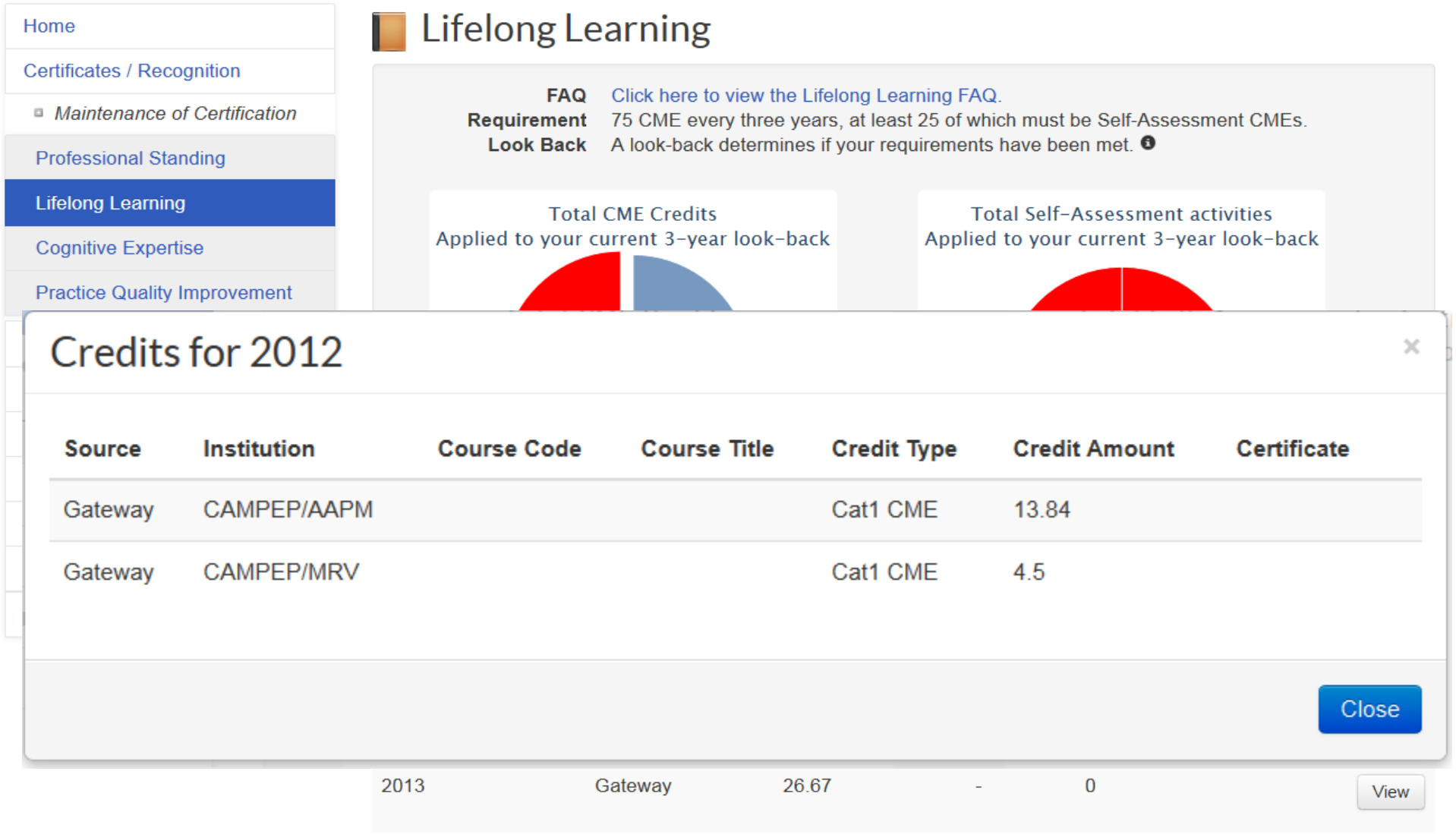
myabr.theabr.org

Official CME/Self-Assessment CME (SA-CME) Credit Attestation

Add Credits

Credit Year	Source	Cat1 CME	SAM	SA-CME	
2014	Both	47.36	-	0	View/Edit
2013	Gateway	27.67	-	0	View
2012	Gateway	18.34	-	0	View
2011	Both	59.07	2	0	View/Edit
2010	Both	25.74	4	0	View/Edit
2009	Both	48.48	3	0	View/Edit
2008	Both	44.09	4	0	View/Edit
2007	Both	43.5	2	0	View/Edit
2006	Gateway	35.5	-	0	View
2005		-	-	0	

myabr.theabr.org



AAPM Online CE

- CAMPEP certifies AAPM online CE as "enduring material"
  - Virtual library and journal articles linked to quizzes provide CE
- AAPM has applied for and received "deemed status" from the ABR. Allows AAPM to approve SAMs without sending to ABR for review.
  - Meeting SAMs still count as self-assessment
- Based on definition of SA-CME, all AAPM online quizzes now provide SA-CME credit.
  - Online SAMs provide SA-CME credit as well (no SAMs requirement) so the online distinction is gone.

AAPM Online CE: Virtual Library

- Virtual Library (VL) consists of recordings of presentations from Annual Meeting, Spring Clinical Meeting, Summer Schools, CRCPD conferences and other selected meetings.
- Previously produced and hosted by BlueSky, AAPM has moved the VL in-house. New format is live now.
  - Reduced cost to AAPM
  - Greater flexibility
  - Better integration with AAPM web site
  - Greater functionality for members

Encrypted | Logged in as Dr. Bloch, AAPM ID# 1188 | Logout

Search Go

The American Association of Physicists in Medicine

We advance the science, education and professional practice of medical physics

Home | Directory | Career Services | Continuing Education | BBS | Contact

Home

- My AAPM
- AAPM
- Public & Media
- International
- Medical Physicist
- Members
- Students
- Meetings
- Education
- Government Affairs
- Publications
- Career Services
- Corporate Affiliates
- Links of Interest
- Advertising Opportunities
- Logout

CT Protocols

SPA

Hello Dr. Bloch...

AAPM Events that pertain to you... [Manage your event notifications]

Conference Calls - 3 Upcoming Call(s)

Conference call on 11/30/14 at 3:00 PM Eastern Time [dismiss]
- **Event title:** RSNA- Summer School Subcommittee Conf Call
- **Note:** 2:00pm-4:00pm CENTRAL/ 3:00pm-5:00pm EASTERN
- **Participant(s):** SS
- **Download to** Outlook | iCal [How to import to Outlook/iCal]
- Click here to send instructions to your email

Conference call on 12/1/14 at 9:30 AM Eastern Time [dismiss]
- **Event title:** RSNA- Education Council Conf Call
- **Note:** 8:30am-11:30am CENTRAL/9:30am-12:30pm EASTERN
- **Participant(s):** EC
- **Download to** Outlook | iCal [How to import to Outlook/iCal]
- Click here to send instructions to your email

Conference call on 12/1/14 at 1:00 PM Eastern Time [dismiss]
- **Event title:** RSNA- Website Editorial Board Conf Call
- **Note:** 12:00pm-2:00pm CENTRAL/ 1:00pm-3:00pm EASTERN
- **Participant(s):** WEBSC
- **Download to** Outlook | iCal [How to import to Outlook/iCal]
- Click here to send instructions to your email

RSNA 2014 - 5 Upcoming Meeting(s)

Latest AAPM Member Discussions

[see your discussion threads | all general discussions | forum notifications]:

What do you think of the new Medical Physics Journal platform? [views: 664 | updated: 11/13 4:40 PM]

focus on our future

DONATE

AAPM BBS FORUM

Current Issues

Online Learning Center

CAMPEP

The American Association of Physicists in Medicine

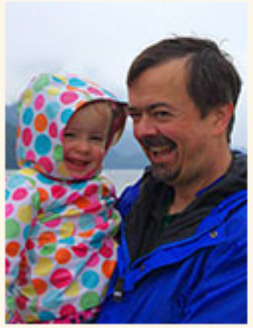
We advance the science, education and professional practice of medical physics

Education

My AAPM
AAPM
Public & Media
International
Medical Physicist
Members
Students
Meetings
Education
- AAPM's role in the Education of Medical Physicists in the USA
- CAMPEP
- Non-CAMPEP Programs
- Residency Common Application (CAP)
- Online Learning Center
- SAMs
- Virtual Library
- Educators Resource Guide
- Maintenance of Certification (MOC)
- Grants & Fellowships
- Online Ethics & Professionalism Modules
- RSNA/AAPM Online Physics Modules
- Education & Research Fund

Online Learning Center

Message from the Chair



It's July, which means the AAPM **Annual Meeting** is almost upon us.

In the **latest AAPM Newsletter**, George Starkschall points out numerous education related sessions at the upcoming meeting. I would like to highlight two which are specific to the online learning center.

First, the **Education Council Symposium** is Sunday morning from 9:30 – 11:00 a.m. It features several speakers describing a broad range of topics in medical physics education. I plan to be there and hope you will too.

Second, Monday afternoon there is a **Professional Session** (2:45 – 3:45 p.m.) where I have an Oral presentation. During my 7 minutes I will try to address how MOC participants can meet their current continuing education requirements through the online learning center.

In addition, for those in Austin early, Saturday afternoon (3:00 - 5:00 p.m.) the Online Learning Services Subcommittee **will be meeting**. The meeting is open to anyone and we always welcome comments and suggestions.

I still get e-mail requests for more quizzes as well as questions about why quizzes expire. As for the latter, part of the goal of continuing education is to help people keep up with what is new. In addition, our quizzes are accredited by CAMPEP who mandates that we retire them after 3 years. For those reasons, we must continually generate new quizzes.

If you would like to see more quizzes in a specific category, please send me a link to the reference material you would like to see a quiz based on. It could be an article in MedPhys or JACMP, or something in the AAPM Virtual Library. If you are willing to write the quiz let me know. If not, I can try to find another volunteer. But without volunteers from AAPM members, none of this happens.

The **Webcast of the Month**:

QM Strategies for External Beam Radiotherapy

Acknowledgements
Pay for OLCE
View All Quizzes
View All Categories
Individual Summary
SAMs Summary
Favorite Quizzes
Quiz Search
What is MOC

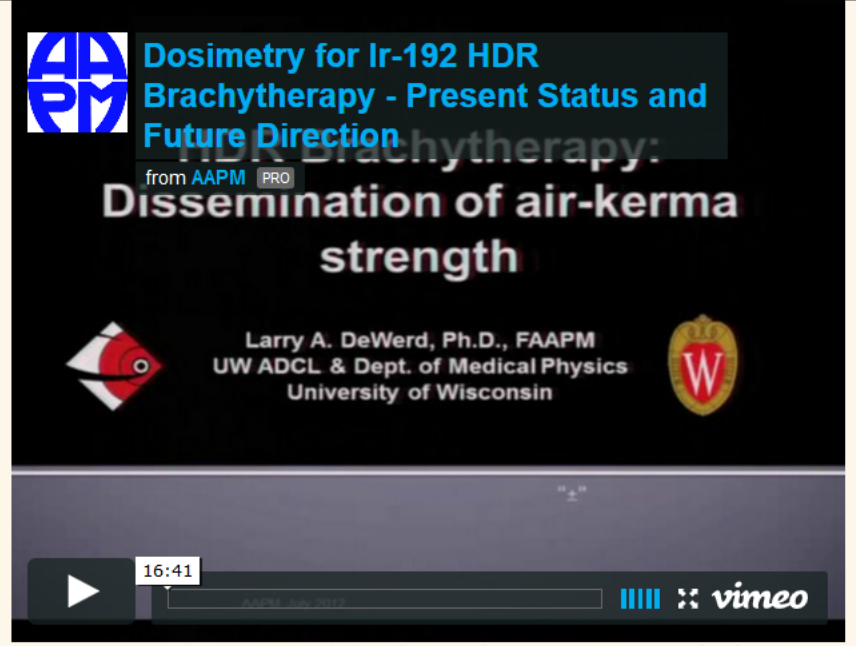
Nuclear Medicine:Radiation Protection	4	0
Nuclear Medicine:None	11	0
Nuclear Medicine:Dosimetry	1	0
Nuclear Medicine:PET	3	0
Nuclear Medicine:Quality Management	6	0
PACS:None	5	0
PACS:Diagnostic	2	0
PACS:Imaging	1	0
PACS:Quality Management	3	0
Radiation Protection:Diagnostic Radiology	1	0
Radiation Protection:Radiation Protection	11	0
Radiation Protection:Radiography	3	0
Radiation Protection:Brachytherapy	2	0
Radiotherapy:Patient Safety	6	0
Radiotherapy:Quality Management	10	0
Radiotherapy:Radiobiology	4	0
Radiotherapy:External Beam	8	0
Radiotherapy:Proton Therapy	1	2
Radiotherapy:None	12	2
Radiotherapy:Imaging	6	0
Radiotherapy:Nuclear Medicine	2	0
Radiotherapy:Cardiovascular	1	0
Radiotherapy:Image-guided	16	0
Radiotherapy:Intensity-modulated Radiotherapy	22	2
Radiotherapy:Radiation Protection	20	1
Radiotherapy:Radio immunotherapy	1	0
Radiotherapy:Stereotactic	8	4
Radiotherapy:Brachytherapy	41	0
Radiotherapy:Dosimetry	30	1
General Medical Physics:None	6	0

- Grants & Fellowships
- Online Ethics & Professionalism Modules
- RSNA/AAPM Online Physics Modules
- Education & Research Fund

Government Affairs
Publications
Career Services
Corporate Affiliates
Links of Interest
Advertising Opportunities
Logout

CT Protocols

SPA



Jan Seuntjens and Larry DeWerd. "**Dosimetry for Ir-192 HDR Brachytherapy - Present Status and Future Direction**." **Presentation 1** and **Presentation 2**.
AAPM Virtual Library - Presented at the 54th AAPM Annual Meeting. Charlotte, NC. July 31, 2012.

1. Water calorimetry works by measuring:
   - A. ionization pairs created in water
   - B. ionization pairs created in air
   - C. temperature rise in water
   - D. temperature rise in air
2. The total uncertainty in water calorimetry for Ir-192 (k=1) was explained to be close to:
   - A. 1%
   - B. 2%
   - C. 3%
   - D. 4%
3. The total error in water calorimetry is dominated by which factor?
   - A. Predrift linearization
   - B. thermister calibration
   - C. dwell time error
   - D. positioning error
4. The standard uncertainty (k=1) is lowest for which measurement medium?
   - A. water
   - B. graphite

Initial Certification
Maintenance of Certification

Search the ABR

Google™ Custom Search

Search

General Information

ABR Exam Information
Exam Dates and Locations
Exam Registration
Fees
Forms
Policies
ADA Information
Verification Information

Maintenance of Certification

MOC > Medical Physics > Lifelong Learning > SDEPs

Medical Physics

The Self-Directed Education Project (SDEP)

Self-directed educational projects (SDEPs) may be used as an optional means for fulfilling some of the CE credit requirements for medical physicists. Fifteen SA-CE credits will be awarded per project.

For SDEPs, the candidate must identify areas in which professional improvement and/or educational augmentation is needed or would be of value. The approach to each project is prospective and must be defined in advance. The components of the SDEP include:

- Significance: a statement of the educational need
- Approach: a list of activities designated to address the need
- Evaluation of achievement, with an initial prospective statement and a final summary statement at the time of completion
- Impact on practice/outcome statement, with an initial prospective statement and a final summary statement at the time of completion

A variety of activities may be accommodated as SDEPs, including (but not limited to):

- Quality improvement
- Research projects
- Publication of original research
- New lecture development
- Regulatory issue review
- Educational topics

Maintenance of Certification
MOC Team Tracker
Whole Practice MOC Discount
Diagnostic Radiology and Its Subspecialties
Radiation Oncology
Medical Physics

MOC Information

ABMP Information
Exam Dates, Locations and Registration
Lifetime Certificate Holder Enrollment Form
MOC Fee FAQ
MOC Participation Guidelines
MOC Physics FAQ
MOC Policies

Exam Dates and Locations
Exam Registration
Fees
Forms
Policies
ADA Information
Verification Information
Volunteering for the ABR
Change of Address
Contact Us
Site Map

- Significance: a statement of the educational need
- Approach: a list of activities designated to address the need
- Evaluation of achievement, with an initial prospective statement and a final summary statement at the time of completion
- Impact on practice/outcome statement, with an initial prospective statement and a final summary statement at the time of completion

A variety of activities may be accommodated as SDEPs, including (but not limited to):

- Quality improvement
- Research projects
- Publication of original research
- New lecture development
- Regulatory issue review
- Educational topics
- Technology updates
- New protocol implementation

In all cases, the four-component prospective format must be followed. Provided via the links below are nine examples of SDEPs (three in each of the medical physics disciplines), representing a subset of the wide range of possible topics that might be chosen. Diplomates are encouraged to review all of them in order to more fully appreciate the diversity of categories available.

Click on the links below to see examples of SDEPs in each of these areas. It is beneficial to study the examples in all three areas, regardless of your particular discipline.

- Diagnostic Medical Physics
- Nuclear Medical Physics
- Therapeutic Medical Physics

Click on the link below for template to use in recording your SDEP project:

- Medical Physics SDEP Template

Click on the link below for an example of a completed SDEP project template:

- Completed Medical Physics SDEP Template

ABMP Information
Exam Dates, Locations and Registration
Lifetime Certificate Holder Enrollment Form
MOC Fee FAQ
MOC Participation Guidelines
MOC Physics FAQ
MOC Policies
SAM Information
SAMs Available
Study Guides

Four Parts

One: Professional Standing
Two: Lifelong Learning and Self-Assessment
Three: Cognitive Expertise
Four: Practice Quality Improvement
Diagnostic Guidelines

AAPM Enhanced Virtual Library

- Virtual Library presentations embedded in AAPM website
- AAPM member directory member's presentations included in their directory listing
- Example quiz presentation embedded in quiz
- Meeting program after meeting presentations linked to program and embedded in AAPM page.

AAPM Virtual Library

My AAPM
AAPM
Public & Media
International
Medical Physicist
Members
Current & Prospective Students
Meetings
Education
Government Affairs
Publications
Career Services
Corporate Affiliates
Links of Interest
Advertising Opportunities
Logout

CT Protocols

SPA

Virtual Library

Presentations posted in the Virtual Library include:

- streaming video and/or audio of the speakers
- transcription of the audio for numerous presentations
- slides of the presentations

Unlimited access to the virtual library is included as a benefit of AAPM membership at no extra charge. Join the hundreds of other AAPM members who are using the AAPM Virtual Library for their continuing education, research, and information needs.

Medical Physics Continuing Education Credits (Members Only)

The AAPM On-Line Learning Services Subcommittee is actively posting continuing education question/answer sets for several of the Virtual Library presentations.

If you're not familiar with the Online Learning Center program, please review the information **posted here**.

Search the virtual library:

By Title: Submit Query

By Presenter: Submit Query
(includes institution information)

Browse the virtual library

- **by CAMPEP category**
- **in a comprehensive list of all videos**
- by choosing a tab below

Now Available | Meetings | Physicists of Note | Items of Interest | Educators Day | Vendor Presentations | CRCPD | DVD/CDs

Webcast of the Month

We hope you find this month's Webcast valuable and that you return each month during the year to benefit from new offerings in the series.

Risk Assessment Introduction; Process Mapping

Presenter: M. Saiful Huq, Ph.D., University of Pittsburgh Med Ctr, Pittsburgh, PA

The American Association of Physicists in Medicine

We advance the science, education and professional practice of medical physics

Home | Directory | Career Services | Continuing Education | BBS | Contact

Membership Directory

- My AAPM
- AAPM
- Public & Media
- International
- Medical Physicist
- Members
  - Change Membership Type
  - Directory Online
  - Directory PDF
  - Member Profile
  - Username & Password
  - Email Announcements
- Current & Prospective Students
- Meetings
- Education
- Government Affairs
- Publications
- Career Services
- Corporate Affiliates
- Links of Interest
- Advertising Opportunities
- Logout

CT Protocols

SPA

IMAGE WISELY™ Radiation Safety in Adult Medical Imaging

[New Search?]

M. Saiful Huq, PhD, FAAPM
Prof. and Director of Medical Physics

CONTACT | MEMBERSHIP | CHAPTERS | SPECIALIZATION

volunteers have unlimited views of directory contact information

M. Saiful Huq, PhD, FAAPM
Prof. and Director of Medical Physics

DEPT of Radiation Oncology
University of Pittsburgh Medical Center
Cancer Pavilion 5150 Ctr Ave
Fifth Floor Room 542
Pittsburgh , PA 15232

412-647-1813 (w)
412-647-1161 (f)

huqs@upmc.edu
view website

Address Book Import
.vcf file [instructions]
-or-
(scan barcode with smartphone to import contact information)

Dr. Huq
Dr. Huq on AAPM's flickr

View Self-Reported Potential Sources of Conflict of Interest

Committee Memberships [View History]

Member of **Board of Directors** *as Board Member-At-Large*
Member of **Board of Directors** *as Guest - Vice Chair, Science Council*
Member of **Finance Committee** *as Guest - Science Council Vice Chair*
Member of **Government and Regulatory Affairs** *as Liaison - IAEA*
Member of **Government and Regulatory Affairs Policy Sub-Committee** *as Liaison - IAEA*
Member of **International Affairs** *- Liaison to IAEA*
Member of **International Educational Activities Committee** *as Liaison - International Atomic Energy Agency*
Member of **Radiation Oncology Medical Physics Education Subcommittee**
Member of **Science Council** *as Chair of Therapy Physics*
Council Vice-Chair of **Science Council** *of Therapy Physics - Chair of TPC*
Chair of **TG 100** Method for Evaluating QA Needs in Radiation Therapy
Member of **TG 155** Small Fields and Non-Equilibrium Condition Photon Beam Dosimetry
Chair of **Therapy Physics**
Member of **Work Group on Prevention of Errors in Radiation Oncology** *as Chair of TG 100*

Current Individual Appointments

Click **here** to see the Individual Appointments Summary.

Virtual Library Presentations

2013 AM - **Formal Radiation Therapy Safety Processes**
2013 SS - **Exercise 5: Fault Tree**
2013 SS - **Risk Assessment Introduction - TG100 (Panel Discussion)**
2011 SS - **FMEA**
2011 SS - **FMEA**
2009 SS - **TG-51 Outline**

Education Council Symposium: AAPM and International Education: What, Why and How?

Y Pipman[1]*, J Van Dyk[2]*, C Saw[3]*, R Jeraj[4]*, G White[5]*, (1) Forest Hills, NY, (2) London, ON, (3) Northeast Radiation Oncology Centers, Harrisburg, PA, (4) University of Wisconsin, Madison, WI, (5) Colorado Associates in Medical Phys, Colorado Springs, CO

SU-B-WAB-1 Sunday 11:00AM - 12:30PM Room: Wabash Ballroom

AAPM members, and the AAPM as an organization, have been active for many years in educational activities outside of the USA. A great portion of these activities has taken place in countries with much less resources, and with only incipient or barely organized Medical Physics societies, while others were carried out in support of new and emerging needs in regions with long Medical Physics traditions. The AAPM has earned a great reputation as a result of these and other activities.

The last decade has seen an inordinate surge of deployment of new technology and methods worldwide, but also an increased awareness about the risks it poses. Hence the pressing need for well educated and trained Medical Physicists. The gap is most critical in developing countries, where the normally slow process of growing the training capacity appears to be an unaffordable luxury.

We plan to discuss the "What, Why, and How" of the involvement of AAPM members in International Educational activities that should be of help in developing countries and that will enrich the members' experience and outlook.

Learning Objectives:
1. To learn about challenges for Medical Physics education in developing countries.
2. To look at ways and opportunities to "do good" while engaging in exciting work.
3. To discuss ways to help our colleagues abroad while expanding our own understanding and improving our skills
4. To learn how collaborating on projects can leverage the educational offerings and generate opportunities for growth.

Contact Email: ypipman@yahoo.com

Y Pipman

J Van Dyk

C Saw

R Jeraj

G White

myabr.theabr.org

AMERICAN BOARD of RADIOLOGY

- MOC Home
- Certificates / Recognition
- Maintenance of Certification
  - Professional Standing
  - Lifelong Learning
  - Cognitive Expertise
  - Practice Quality Improvement
- Optional Programs
- Payments
- Personal Information
- Agreements
- Help
- Contact Us

Cognitive Expertise

Requirement Pass an ABR MOC or initial certification examination within the last 10 years.

Status Last MOC Exam Passed: None

You must successfully pass an ABR MOC or initial certification exam every 10 years in order to continue meeting MOC requirements for Part 3 - Cognitive Expertise.

Maintenance of Certification Exams

Specialty/Subspecialty	Exam Type	Date	Results
Maintenance of Certification in Therapeutic Medical Physics	Written Exam	11/10/2014	Not Available

Initial Certification Exams

Exam Security Policy

Specialty/Subspecialty	Exam Type	Date	Results
No data to display			

PEARSON ALWAYS LEARNING

PEARSON VUE

About Us | Careers | Contact Us | FAQs Search

This website is scheduled to undergo routine maintenance on Saturday, 15 November from 5:00 p.m.–10:00 p.m. CDT. During this time, **you may not be able to schedule, reschedule or cancel test appointments**. We apologize for this inconvenience and thank you for your patience.

Home | Test Taker Services | Test Program Solutions | Become a Test Center

sign in
Access your account

locate
Find a test center

learn
View program information

QUICK LINKS

- Purchase Test Vouchers
- Test Accommodations
- Continuing Education (CE) and Pre-License Education Services
- Search Nurse Aide Registry

About Us

Pearson VUE provides a **full suite of services** from test development to data management, and delivers exams through the **world's most comprehensive** and **secure network** of test centers in 175 countries. Pearson VUE is a business of Pearson (NYSE: PSO; LSE: PSON), the world's leading learning company.

Read more »

Recent News

3 November 2014 **Free webinar:** How candidates benefit from local on-demand computer-based

PEARSON ALWAYS LEARNING

PEARSON VUE

About Us | Careers | Contact Us | FAQs Search

This website is scheduled to undergo routine maintenance on Saturday, 15 November from 5:00 p.m.–10:00 p.m. CDT. During this time, **you may not be able to schedule, reschedule or cancel test appointments**. We apologize for this inconvenience and thank you for your patience.

Home | **Test Taker Services** | Test Program Solutions | Become a Test Center

Home > **Sign In**

Sign In

Pearson VUE offers online services for a large number of testing programs. Each testing program has a unique set of offerings, so first select your program from the list below. If you have forgotten your sign in details, you may request them on the next screen.

To sign in, first select your testing program.

1) Narrow by category.

- View All
- Academic/Admissions
- Construction Trades, UST & Inspectors
- Employment, HR, Management & Safety
- Financial Services
- Government / State Regulated / Federal Government
- Health, Medicine, Nursing & Pharmacy
- Information Technology (IT)
- Insurance
- Legal Services

2) Select your testing program.

- American Board of Oral and Maxillofacial Surgery (ABOMS)
- American Board of Orthodontics (ABO)
- American Board of Otolaryngology (ABOto)
- American Board of Pediatric Dentistry (ABPD)
- American Board of Periodontology (ABP)
- American Board of Physical Medicine and Rehabilitation (ABPMR)
- American Board of Preventive Medicine (ABPM)
- American Board of Prosthodontic
- American Board of Psychiatry and Neurology (ABPN)
- American Board of Radiology (ABR)
- American Board of Surgery (ABS)

PEARSON ALWAYS LEARNING

PEARSON VUE

About Us | Careers | Contact Us | FAQs Search

This website is scheduled to undergo routine maintenance on Saturday, 15 November from 5:00 p.m.–10:00 p.m. CDT. During this time, **you may not be able to schedule, reschedule or cancel test appointments**. We apologize for this inconvenience and thank you for your patience.

Home | **Test Taker Services** | Test Program Solutions | Become a Test Center

Home > **Sign In**

Sign In

Pearson VUE offers online services for a large number of testing programs. Each testing program has a unique set of offerings, so first select your program from the list below. If you have forgotten your sign in details, you may request them on the next screen.

To sign in, first select your testing program.

1) Narrow by category.

- View All
- Academic/Admissions
- Construction Trades, UST & Inspectors
- Employment, HR, Management & Safety
- Financial Services
- Government / State Regulated / Federal Government
- Health, Medicine, Nursing & Pharmacy
- Information Technology (IT)
- Insurance
- Legal Services

2) Select your testing program.

- American Board of Oral and Maxillofacial Surgery (ABOMS)
- American Board of Orthodontics (ABO)
- American Board of Otolaryngology (ABOto)
- American Board of Pediatric Dentistry (ABPD)
- American Board of Periodontology (ABP)
- American Board of Physical Medicine and Rehabilitation (ABPMR)
- American Board of Preventive Medicine (ABPM)
- American Board of Prosthodontic
- American Board of Psychiatry and Neurology (ABPN)
- American Board of Radiology (ABR)
- American Board of Surgery (ABS)

PEARSON ALWAYS LEARNING

PEARSON VUE

ABR
THE AMERICAN BOARD OF RADIOLOGY

ABR

Sign in

All fields are required.

Returning users, please sign in:

Username:

Password:

Sign In

I forgot my username.
I forgot my password.

New users, please sign up:

Create a web account.

Our secure website encrypts your personal information so that it cannot be read by unauthorized Internet users.

This website is best experienced using Microsoft Internet Explorer (IE) version 9 and above, Google Chrome version 30 and above, Safari version 7 and above or Mozilla Firefox version 26 and above. Please do not use the back button to navigate the site.

For your security, please remember to sign out of your account and close your browser when you finish your session.

Copyright © 1996-2014 Pearson Education, Inc. or its affiliate(s). All rights reserved. Terms | Privacy | Contact

PEARSON ALWAYS LEARNING

PEARSON VUE

ABR THE AMERICAN BOARD OF RADIOLOGY

Home | My Profile | My Order | Sign Out

Home

Signed In as: Charles D. Bloch
ABR ID: P3201

ABR Exams

Pre-approved Exams

You do not have any pre-approved exams at this time.

My Account

- My Profile
- Account Sign In
- Preferences
- Exam History
- My Receipts

Upcoming Appointments

You do not have any appointments scheduled.

Copyright © 1996-2014 Pearson Education, Inc. or its affiliate(s). All rights reserved. Terms | Privacy | Contact

Pearson VUE

- Exam given in November. Registration opens 6 months in advance.
- The testing center is open for other examinations that same day. If cosmetologists get all the available slots before you do, you will not be able to take the exam at the center close to you.
- Pearson VUE will show all the time slots that are available on that day. Their system will allow you to register for any of them. HOWEVER, ABR requires you take the exam at 8 a.m. If you register for any other time slot, ABR will move you to the 8 a.m. slot if one is available (or send you to another center hundreds of miles away if one is not).

www.pearsonvue.com/abr

Home > Test Taker Services > ABR

ABR Certification Testing

The mission of the American Board of Radiology (ABR) is to certify that our diplomates demonstrate the requisite knowledge, skill, and understanding of their disciplines to the benefit of patients. The ABR is offering initial certification and Maintenance of Certification (MOC) examinations in radiation oncology and medical physics as computer-based exams in Pearson VUE Professional Centers. The ABR is solely responsible for exam development, scoring, and reporting of results.

Downloads

- Computer-Based Testing Tutorial
  Please Note: The tutorial explains the use of several types of items; however, ABR exams use only one-best-answer, multiple-choice questions. All other features demonstrated are applicable to ABR exams.

Exam Calculator Update

The scientific calculator that is built into ABR exams was recently updated. The calculator is modeled after the Texas Instruments TI-30XS. If you wish to familiarize yourself with the way this calculator functions prior to your exam, please see Computer-Based Testing Tutorial, You can also find step-by-step download instructions here.

- Once downloaded, begin the practice exam. On the fourth item, you will see a calculator link on the top left of the screen. Simply click on the link. The calculator is displayed so you can practice using it.
- For a complete list of features available on the TI-30XS, please refer to TI's Guidebook (290 KB

THE AMERICAN BOARD OF RADIOLOGY
EXCELLENCE • PROFESSIONALISM • PUBLIC TRUST • EST. 1934

First-time visitors:

Create an account »

Returning visitors:

Sign in »

to schedule, reschedule
or cancel an exam

Need help?

- Forgot my username
- Forgot my password

Locate a test center »

View available exams »

Customer service »

RELATED LINKS

ABR website

myabr.theabr.org

- MOC Home
- Certificates / Recognition
- Maintenance of Certification
  - Professional Standing
  - Lifelong Learning
  - Cognitive Expertise
  - Practice Quality Improvement
- Optional Programs
- Payments
- Personal Information
- Agreements
- Help
- Contact Us

Practice Quality Improvement

Status	Completed Projects: 0 Incomplete Projects: 0
Requirement	Complete at least 1 PQI project in previous 3 years.
Look Back	A look-back determines if your requirements have been met.

Due to the PQI attestation enhancements in myABR, PQI project attestations completed in 2012 or 2013 on your PDB will need to be re-entered in myABR.

Add PQI Project

PQI Projects in Progress

Project Title	Status	Start	Applied to MOC
No data to display			

Completed PQI Projects

Project Title	Status	Start	Applied to MOC
No data to display			

Other Completed PQI Projects

PQI

- I'm too busy doing QA. I don't have time to do some "project".
  - Make your project the QA you are already doing.
- PQI is the QA work we are already doing, but with "metrics".

1. Identify something that could be improved in your clinic.
   a. IMRT QA sometimes fails the first time.
   b. Hypothesis: If we setup the phantom correctly it will pass more often.
2. Measure the baseline ("metric"=how often does it fail the first time).
3. Develop a plan to improve the quality.
   a. Checklist for phantom positioning.
4. Re-measure the quality (how often is it failing now).

PQI Archive Display	
Question	**Answer**
By what method(s) did you learn about quality improvement, error reduction, and/or patient safety?	Participation in my own institution's quality program(s)
	Self-directed reading
Which of the following describes your progress this year with regard to your current PQI project? (Please check all that you have accomplished during this year)	I have made baseline measurements to document the scope of the problem
	I have completed a PQI project, and am in the process of choosing another
	I have developed an action plan for improvement
	I have instituted the action plan
	I have made measurements to determine if improvement has occurred
	I have chosen an appropriate project
	I have analyzed the root cause of the problem
	I have not yet begun a PQI activity
	I have not yet begun a PQI activity
What is the major area of your PQI project?	Safety for patients, employees, and the public
Which ACGME/ABMS/ABR core competencies are incorporated in your project (check all that apply):	Patient care
	Practice knowledge
Which of the following best describes the origin of your project:	Individual project
Which of the following goals are incorporated into your project (check all that apply):	Improved patient outcome
	Improved patient, employee, or public safety
	Reduction in error

Conclusions

- ABR MOC has moved from 10 year requirements to 3-year moving average.
- 20 SAMs/10 years has been dropped.
- 25 SA-CME/3 years is added.
- AAPM online CE is now 100% SA-CME
  - AAPM has "deemed" status from ABR
  - Virtual Library has moved in house with enhanced features

Acknowledgments

AAPM Headquarters Staff

- Jackie Ogburn
- Michael Woodward
- Farhana Khan
- Zailu Gao

AAPM Headquarters Staff

- Lisa Rose Sullivan

Others

- Subcommittee members