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Message from the Chair
Louise E. Thomson, MB.Ch.B., Chair
ABNM Diplomates and the Board working together to serve and support current and future diplomates. More Details

Message from the Executive Director
George M. Segall, M.D., Executive Director

Message from MOC Committee Chair
Daniel A. Pyrma, M.D., MOC Committee Chair
Simplification of the Part IV requirements. More Details

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- Message from the Chair
- Message from the Executive Director
- Message from MOC Committee Chair
- SNMMI Newsletter: Nuclear Medicine
- MOC Presentation at the SNMMI Mid-Winter Meeting
- SNMMI Newsletter: Value of ABNM Certification and MOC to Diplomates and the Public

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- ABNM Board Members
- ABNM Lifetime Board Members
- ABNM Maintenance of Certification
- Who is Participating in MOC?
- Contact Us

Relevant References
- Donations Received in 2015
- New Diplomates Who Passed the 2015 Certification Examination
- Congratulations to Our Diplomates Who Passed the 2015 MOC Examination
- 2016 New Board Members
- 2015 ABNM Examination Results
- Associate Executive Director

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Andrei H. Iagaru, M.D.
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future Examination Dates
Certification/MOC Examination
Week of 3–8, 2016
Week of 3–8, 2016
Week of 2–7, 2017
Application period is NOW OPEN for both exams
April 1 – May 31, 2016
In-Training Examination
Week of January 9 – 14, 2017

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Abraham Y. Segall, M.D.
American Board of Nuclear Medicine

The ABNM welcomes comments from diplomates and residents regarding issues raised in this Tracers or any other issues affecting the practice of nuclear medicine or certification processes.

Please email your comments to:
George M. Segall, M.D., Executive Director
American Board of Nuclear Medicine (george@abnm.org)

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Please email your comments to:
George M. Segall, M.D., Executive Director
American Board of Nuclear Medicine (george@abnm.org)
It is my pleasure to write this message as the out-going chair. During the course of discussions within our community over the last year questions have been asked regarding the composition of the ABNM board of directors. Who are the members of the Board and why would the Board have considered changes in structure that could influence the nuclear medicine community as a whole?

The stated primary purpose of the ABNM board is the advancement of the health of the public through the establishment and maintenance of standards of training and education, and the qualification of physicians rendering nuclear medicine services in the United States. The board has 12 directors - 4 of whom serve in positions as chair, vice-chair, secretary-treasurer and past chair. On a yearly basis, as Board members complete terms of service, replacement members are nominated by the nuclear medicine community and are selected to ensure balanced representation of subspecialty interests and the diversity of practice in our community. Directors give their time freely for a term of up to 6 years, with the work of the Board being organized and supported by the Executive Director and Assistant Executive director (non-voting officers). All directors are required to take the recertification examination prior to serving. Current members come from 9 states and one is from Canada. There is representation from private and academic centers, with a mix of ABNM only and dual certified directors, seven women and five men. Board members have one thing in common – we are all motivated by the desire to see nuclear medicine thrive, and our belief in high quality practice standards.

The past year saw very important conversations within the nuclear medicine community about training, certification, maintenance of certification and the future of the ABNM. The majority participating in this discussion supported the need for the ABNM to remain an independent board. However, there was also a majority in favor of dual training for nuclear medicine physicians in radiology. Moving forward, the ABNM will be working with nuclear medicine stakeholders and contributing to the new SNMMI led taskforce and I hope that our diplomates will be engaged in these ongoing very important discussions. Our community needs to find ways to encourage medical school graduates and radiology residents to consider training in nuclear medicine and we are challenged to offer practical support to diplomates who may face great difficulties related to local credentialing, workplace competition and healthcare economics.

The ABNM is a small member board of the American Board of Medical Specialties. The long-term success of ABNM as an independent specialty board is in the hands of our diplomates. Numbers of candidates being certified each year is stable, however the count of nuclear medicine trainees and training pathways is decreasing and we see a rapid rise in the proportion participating in pathways for dual certification. In an ideal world, all ABNM certified physicians remain connected with their certifying Board, and participate in recommended programs for maintenance of certification and quality of practice. In the real world, there is a 19% participation rate by active lifetime certificate holders, 62% participation rate by time limited certificate holders and those who are dual boarded may choose not to maintain two certificates. This is the financial foundation upon which we are expected to support all diplomates.

As the ABNM looks to the future, priority is being given to updating the MOC process. Redesign is aimed at increasing accessibility, relevance, and very importantly, increasing active participation. These changes are in line with many other ABMS member boards, will meet ABMS requirements, and come in response to criticisms of the existing recertification process. The Board hopes that current and future diplomates will embrace developments in MOC and that you will participate, and support your Board as we continue to serve you.

It is the time of year for transitions as the Board farewells three directors and welcomes new members. We say farewell to Dr Janis O’Malley, Dr Eric Rohen and Dr Jerry Wallis and thank them very much for their years of dedicated service.

We welcome three new directors – Dr Esma Akin from Washington, DC; Dr Andrei Iagaru from Stanford, CA; and Dr Jonathan McConathy from Birmingham, AL. Congratulations go to Dr Daniel Pryma, the new Secretary-Treasurer, Dr Erin Grady who becomes Vice-Chair and Dr Munir Ghesani who becomes Chair.

It has been an honor to serve as Chair. My thanks go to recent past and current Board members for their support; and for their commitment to our specialty and to the ABNM.
The ABNM fiscal year is January 1 through December 31. A full audit is conducted every two years by a certified public accounting firm, UHY. The firm audited the financial statements for the year ending December 31, 2014. The report dated July 10, 2015, stated, “In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of The American Board of Nuclear Medicine, Inc. as of December 31, 2014, and the results of its operations and its cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America. The firm noted total assets of $3,123,320, with an increase of $118,489 compared to the prior year.

The United States Income Tax Return, Form 990, filed by all non-profit organizations, is publically available. There are many websites that provide free access to the tax returns, including the returns filed by the ABNM. One such website is [http://foundationcenter.org/findfunders/990finder/](http://foundationcenter.org/findfunders/990finder/).

The ABNM started 2015 with a balanced budget of $861,942 in operating income and expense. At the end of the year, total non-investment income was $875,595, which was $13,653 over budget. Operating expense was $847,154, which was $14,788 under budget. The ABNM ended the year with a small surplus of $28,441.

A break down of the major income and expense categories for 2015 is shown in the following diagrams.

The largest percentage of income is derived from Maintenance of Certification annual dues. Annual dues were $150 when they were instituted in 2007. They were increased to $175 in 2010. The dues were increased to $400 in 2012, partially to offset the fee paid by diplomates for the Maintenance of Certification examination. As a result, the exam fee, which was $2,050 in 2011, has been decreased by $205 per year. The 2016 exam fee is $1,025. It will be phased out completely in 2021.

The largest expense is salary for six employees, including the Executive Director, Associate Executive Director, Administrator, Data Analyst, and two Secretaries. The percentage of expense for salary has decreased from 58% in 2011 to 54% in 2015.

The ABNM also has $2.12 million in an investment portfolio as of December 31, 2015, which is managed by Wells Fargo Advisors. The investment portfolio is the ABNM’s reserve fund for unexpected financial difficulties, and major new initiatives.

The budget for 2016 is essentially balanced, with expected income of $828,156 and expected expense of $826,611. Income is decreased compared to 2015 largely because of the planned reduction in the fee for the Maintenance of Certification examination. The ABNM is financially robust, but maintaining a balanced operating budget is becoming more challenging. The board hopes to meet the financial challenges in 2017-2021 by increasing diplomate participation in Maintenance of Certification, which the ABNM is working to make easier and more valuable for all diplomates.
Expansion of Qualifying Improvement Activities

Daniel A. Pryma, M.D. – MOC Committee Chair

Many diplomates have found Improvement in Medical Practice (Part IV of MOC) the most troublesome. Therefore, the ABNM has expanded the list of improvement activities that will fulfill the Part IV requirement. Many of these activities already are a part of any practice, and so many diplomates continually fulfill the spirit of Part IV. Below is a list of qualified activities. Note that the ABNM also accepts any improvement activity qualified by another American Board of Medical Specialties (ABMS) board.

Previously, Part IV projects consisted of 3 parts; each of the 3 parts counted as one activity (toward a minimum requirement of one activity per year). Diplomates may continue to receive Part IV credit for these projects. In addition, the items listed below will provide credit for one activity. As long as a diplomate has meaningful and ongoing participation in one of these activities, the diplomate may receive credit each year. It is possible for more than one diplomate to participate in the same activity so long as each diplomate’s participation is meaningful and ongoing.

In addition to these activities, the ABNM will periodically provide diplomates with a survey on current practice patterns. The results of these surveys will be reported so that participating diplomates can see how their practice compares to their colleagues. Participation in a survey will also provide credit for one activity.

List of Expanded Part IV Activities

1. Member, clinical quality and/or safety committee
2. Participation in a peer-review process or OPPE
3. Participation in a root cause analysis team
4. Publication of an article related to QI, or safety, or improvement in clinical care
5. Invited presentation at a national meeting regarding QI or safety
6. Regular (10/year) participation in clinical conferences (e.g. tumor boards)
7. Creation, management, or participation in a quality or safety program (e.g. daily huddle)
8. Local or national leadership role in a national/international QI program (e.g. Image Wisely)
9. Completion of a peer survey on quality or patient safety
10. Completion of a patient encounter of care survey
11. Participation in applying for or maintaining accreditation (e.g. ACR, IAC)
12. Participation in passing a federal or state radiation safety inspection without violations
13. Participation in a phantom simulator program (e.g. SNMMI imaging proficiency phantom exercise)
14. Being a program director for an ACGME-accredited residency or fellowship program
15. Academic promotion
16. Participation in an approved registry (e.g. NOPR)
SNMMI Newsline: Looking to the Future: The ABNM in the Next 10 Years

Reprinted with permission SNMMI Newsline J Nucl Med 2016 57:12N

The American Board of Nuclear Medicine (ABNM) and the American Board of Radiology (ABR) have decided not to move forward with proposals in a joint statement sent to stakeholders in July 2015, which included replacing nuclear medicine and nuclear radiology training programs with a single training pathway leading to a new ABR certificate in nuclear medicine, with ultimate dissolution of the ABNM. The reason for the decision was explained in a letter sent to stakeholders in November and covered in the December issue of Newsline.

The specialty of nuclear medicine has seen tremendous growth in the past 2 decades. Hybrid imaging has become widespread since the introduction of SPECT/CT in 1999, PET/CT in 2001, and PET/MR in 2011. Many new radiopharmaceuticals have been approved for diagnosis and therapy, including the first amyloid imaging agent in 2012 and 222Radium for treatment of prostate cancer skeletal metastases in 2013. Nuclear medicine is poised for an historic expansion of the specialty into molecular imaging using nonradioactive tracers, including targeted biomarkers, nanoparticles, microbubbles, and optical imaging.

The continued growth of nuclear medicine will require physicians of the future to have more training in functional and anatomic imaging. Fortunately, 3 well-defined pathways lead to dual certification by the ABNM and the ABR, including 1 year of nuclear medicine training after diagnostic radiology residency, 16 months of nuclear medicine training during 4 years of diagnostic radiology residency, and the new 5-year training programs combining 3 years of diagnostic radiology training with 2 years of nuclear medicine training.

The future of the specialty is bright, but the ABNM recognizes the challenges that lie ahead. The most critical issue is a lack of understanding or interest in nuclear medicine training among medical students and residents, which has resulted in a decrease in the number of nuclear medicine training programs and residents—from 56 programs with 156 residents in 2009–2010 to 43 programs and 84 residents in 2015–2016. ABNM will be working with SNMMI and other stakeholders on an outreach plan to reverse this trend. The plan could include development of a series of high-quality PowerPoint presentations introducing nuclear medicine and molecular imaging to medical students. The plan could also include a web portal where medical students could go to learn about training programs, job markets, and earnings. Most of all, we need to be proactive and recruit.

Future employment opportunities are likely to be plentiful for physicians who are dual certified by ABNM and ABR. We need to work, however, to support physicians certified only by the ABNM, especially recent graduates. ABNM recognizes the qualifications of ABNM diplomates to perform and interpret CT optimized for diagnosis when performed on a hybrid PET/CT or SPECT/CT camera, of diplomates who trained in an Accreditation Council for Graduate Medical Education-accredited nuclear medicine program after July 2011, and of diplomates trained prior to this date who have had residency or postgraduate training fulfilling the recommendations of SNMMI for hybrid imaging and who have been recertified by ABNM. ABNM can publish this policy to help current diplomates and can work with other groups to help diplomates who need to meet the American College of Radiology requirements for on-the-job training in CT. ABNM can work with the Nuclear Medicine Program Directors to help current nuclear medicine residents and recent graduates access additional residency training in diagnostic radiology. According to the 2015 report of the National Resident Matching Program, 55 out of 166 programs offering PGY-2 positions in diagnostic radiology were unfilled, and only 862 positions were filled out of 999 offered. These data suggest opportunities for the 60–80 physicians annually certified by ABNM who want additional training in diagnostic radiology.

ABNM is also working to make maintenance of certification (MOC) more valuable, less expensive, and easier. These goals are especially important for physicians who are certified by more than one American Board of Medical Specialties (ABMS) member board. ABNM currently accepts all MOC activities meeting the Parts 2 and 4 requirements of other ABMS member boards. ABNM is also likely to expand the list of quality improvement activities that meet Part 4 requirements to include activities physicians already do. ABNM is also considering replacing the MOC exam, which diplomates take every 10 years, with a user-friendly process that encourages learning and self-assessment. A pilot program is likely to be launched in 2017. Finally, if more diplomates participated in MOC, ABNM could lower annual dues, which are currently $400 per year.

ABNM is prepared to meet the challenges and opportunities of the future to ensure the continued growth of nuclear medicine, meet the needs of diplomates, and serve the public by setting high standards for training, initial certification, and continuing competence of physicians.

Please send comments, suggestions, and ideas to abnm@abnm.org.
MOC Presentation at the SNMMI Mid-Winter Meeting

Part IV MOC and PDSA

David A. Toren, MD
Associate Professor of Medicine & Radiology
Chief, Nuclear Medicine & Clinical Molecular Imaging
University of Pennsylvania Perelman School of Medicine

Maintenance of Certification
- Medicine is a rapidly evolving profession
- Patients deserve physicians who are up to date with current best practices
- Maintenance of Certification (MOC) programs aim to ensure that participating physicians are current
- Should also facilitate that currency

MOC focus areas
- Participating physicians must be competent in six areas:
  - Medical knowledge
  - Patient care
  - Interpersonal and communication skills
  - Professionalism
  - Practice-based learning and improvements
  - System-based practice

MOC: Historical timeline
- Prior to 1992: board certified for life
- 1992-2007: regular (every 10 years for ABNM) recertification exam
- 2007-present: periodic recertification exam plus all other aspects of MOC
- Potential future: medical knowledge evolution from periodic exam to frequent testing/learning moments
  - Blurring of lifelong learning/self-assessment and formal assessment

MOC components
- I. Professionalism and professional standing
- II. Lifelong learning and self-assessment
- III. Assessment of Knowledge, Judgment and Skills
- IV. Improvement in Medical Practice

The MOCA minute
- Started as a pilot by the American Board of Anesthesiology
  - Weekly question
    - One minute from opening to answer
    - Immediate feedback (SAM-style with explanation)
    - Replacement for part 3 recertification exam
    - Functional adjunct to part 2 (lifelong learning)
- Very positive feedback
- Picked up by ABMS
  - Pilot preparing across multiple member boards
MOCA advantages

- Ongoing assessment that directly facilitates learning
- Versus once every 10 years
- Potential for early intervention
- More data points (520 questions over 10 years)
- Versus 100-200 questions on exam
- Psychometric advantages in question writing and selection
- Potential for adaptive testing and/or re-testing to promote learning

MOCA disadvantages

- A lot of questions to write
- Greater burden on small boards (like MOC)
- Potential for creative question sources
- Radically different from current system
- Potential security issues

ABNM MOCA?

- Considerable discussions with ABMS
- Platform under active development
- ABNM hopes to initiate a pilot
- Stay tuned!

Part IV: Improvement in Medical Practice

- PDSA: Plan, Do, Study, Act
- Purpose: be engaged in your practice and specifically in improving practice
  - Don't just coast through work on the status quo
- Broad definition of practice improvement
  - Anything with a reasonable justification
    - Must be relevant to the physician's practice
    - Can be physician- or practice-specific

Plan: Decide on an area that could be improved

- Must be relevant to your practice
- Assess (quantify) the baseline situation
- Hypothesis for an intervention to improve situation
- Decide on a testing period and mechanism
- Obtain IRB approval if necessary
  - Not strictly necessary for QA/QI process
  - Prospectively required if publication may be considered
  - Many IRBs offer expedited process

Do: carry out the intervention

- Make the practice change/intervention hypothesized in the planning stage
- Collect outcome data
Study: data analysis

- Analyze the post-intervention data
- Compare to the pre-intervention baseline
- Did the intervention improve the problem?
  - If yes, go to next slide
  - If no, go back two slides: plan

Act: change prior practice

- If the intervention improved things, make it a permanent change
- If the intervention could have impact in other practices, publish it

The steps another way

- 1) Select, and measure
  - Plan
- 2) Analyze, plan, and improve
  - Plan, Do
- 3) Re-measure, and analyze
  - Study, Act
- Same goals, annual organization

Efficiency

- We are all busy
  - Greater efficiency = greater sanity
- Part IV goal is to facilitate practice improvement
  - Does not require a standalone project done solely for part IV
    - If you are already doing a QA project, submit it for Part IV!
    - Must be relevant to your nuclear medicine practice.

Types of projects

- Individual
  - Submit to ABNM, have documentation in case of audit
- Group/center
  - Submit to ABNM, have documentation in case of audit
- Society-based
  - Pre-approved by ABNM (and/or ABR), so no audits
  - Can be done individually or by a group

SNMMI projects

- http://interactive.snm.org/index.cfm?pageid=7742
- Interpretive Accuracy and Diagnostic Certainty of Myocardial Perfusion Imaging
- Implementation of Practice Guidelines: Pediatric Radiopharmaceutical Administered Doses
- Diagnostic Accuracy of 18F-FDG PET/CT in Patients with Cancer
- Report Turn-Around Time Quality Improvement (PQI) Template
- Patient Experience of Care Survey
Example SNMMI project

Interpretative Accuracy and Diagnostic Certainty of Myocardial Perfusion Imaging

I. OVERVIEW
This Performance Improvement Project (PIP) is designed to improve interpretive accuracy (degree of certainty and specificity), and diagnostic certainty (degree of confidence in the presence of disease) for myocardial perfusion imaging. Completion of the project may be used for the Part IV requirement of the American Board of Nuclear Medicine and the American Board of Radiology for Maintenance of Certification.

The PIP is appropriate for physicians performing and interpreting myocardial perfusion studies performed with SPECT (single photon emission computed tomography).

II. OBJECTIVES
Physicians who complete the PIP should:
- Improve diagnostic certainty compared to current attending technologist's initial studies or mortality rates (inpatient studies) or first read accuracy > 95% per patient.
- Improve diagnostic certainty so that > 90% of reports will be expected to be normal or abnormal (i.e., > 95% agreement).

Thank you!
The board verifies that the medical licenses of all diplomates remain valid without restrictions. The board receives reports from the Federation of State Medical Licensing Boards and the American Board of Medical Specialties (ABMS) about actions taken against a diplomate’s medical license. In 2015, the ABNM reviewed actions taken against the medical licenses of 11 diplomates. In each of these cases the board determined the appropriate action to take, with possibilities including probation, suspension, or revocation of ABNM certification.

Participation in the ABNM’s MOC program means that diplomates are staying current with continuing medical education (CME) and are completing self-assessments. Participation means that the diplomate’s practice is remaining up to date through practice performance assessment. Tracking these activities by the ABNM provides credibility in assuring that the diplomate and the diplomate’s practice are up to date.

Although the ABNM is a small board, it maintains a website that provides board information and regulations. The website records CME and self-assessment module credits. For those who take part in the Radiological Society of North America gateway, the transfer to the ABNM website is transparent. The website also supports electronic application for the certifying and MOC exams. The board tries to strike a balance between website functionality and cost. The bigger boards go through extensive testing and modification of their websites that would be prohibitive given our number of diplomates.

Four full-time employees located in St. Louis, MO, perform the work of the ABNM. The executive director, George Segall, MD, and an associate executive director, J. Anthony Parker, MD, PhD, who both actively practice clinical nuclear medicine, direct office operations. Twelve members serve as directors of the board, all of whom actively practice nuclear medicine.

The ABNM belongs to the ABMS, an umbrella organization for the major medical boards. In addition to providing a forum for the boards to share and learn from each other, the ABMS represents its members’ interests to payers and regulators. Although we are a small board, we have a seat at the table, where we can make sure our special interests are heard. The ABMS evaluates each board’s activities to provide additional credibility,
especially to other organizations and licensing bodies, that agreed upon standards are followed. The ABMS is currently supporting development of a new MOC assessment platform for use by member boards that would be much too expensive for the ABNM to develop by itself (1). The work of the ABMS is transparent to most diplomates, but the value it provides is high compared to the cost for the ABNM.

REFERENCE

2015 Contribution List

The ABNM appreciates all the diplomates who support the ABNM by paying MOC fees and voluntary contributions every year. In addition, we would like to thank the following diplomates for their generous support of the ABNM through a financial donation in 2015.

**Fluorine ($1000-$1999)**
Vaseem Unnabi Chengazi, M.D., Ph.D.
Kevin Joseph Donohoe, M.D.
George M. Segall, M.D.

**Indium ($500-$999)**
Bennett Steven Greenspan, M.D.
J. Anthony Parker, M.D., Ph.D.
Scott J. Sherman, M.D.

**Iodine ($200-$499)**
Jorge Antonio Brito, M.D.
Judith Ellen Ho, M.D.
Ryan Daniel Niederkohr, M.D.
Jeffrey S. Stevens, M.D.

**Technetium (Up to <$199)**
William J. Elton, M.D.
Marcial Quinones Favila, M.D.
James William Reinig, M.D.
Harold Z. Scheinman, M.D.
Martha E. Stauffer, M.D.
New Diplomates Who Passed the 2015 Certification Examination

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Gulcin Altinok, M.D.  
David Barank, M.D.  
Dawn Behr-Ventura, M.D., MPH  
Volkan Beylergil, M.D.  
Anne Marie Boustani, M.D.  
Eric Byrum, M.D.  
Raphaela Da Silva, M.D.  
Stephen I Dinning, M.D.  
Phyllis Ann Kathryn Dioguardi, M.D., M.A.  
David Byron Douglas, M.D.  
Marinos Drakopoulos, M.D.  
Riham El Khouli, M.D.  
Saeed Elojeimy, M.D., Ph.D.  
Thomas Jose Eluvathingal, M.B,B.S., M.D.  
Adriana Danielle Faulkner, M.D.  
Bradley William Fehrenbach, M.D.  
Lesley Flynt, M.D.  
Mark Joseph Foley, MB BCh, BAO  
Joseph S. Fotos, M.D.  
Maya Galperin-Aizenberg, M.D.  
Somali Gavane MBBS  
Ajit H. Goenka, M.D.  
Kinzya Bernice Grant, M.D.  
Narainder K Gupta M.D.  
Andrew Stewart Hawkins, M.D.  
May Yu-Ting Huang, M.D.  
Nevein F Ibrahim, M.D.  
Rashmi Jain, M.D.  
Adam Harris Kaye, M.D., MBA  
Mubeen A. Khan, M.B., B.S.  
Anthony Nguyen Khuu, M.D.  
Jongho Kim, M.D., Ph.D.  
Michael Klodnicki, M.D.  
Nam Ju Lee, M.D., MMS  
Hong Y. Ma, M.D.  
Brian James Magee, D.O., M.S.  
Stephen J Malutich, M.D.  
Todd Lee Mapes, D.O.  
Holly Marciniak Thompson, M.D., MPH  
Pareen Arun Mehta, M.D.  
Esther Mena Gonzalez, M.D.  
Brett Justin Mollard, M.D.  
Farshad Moradi, M.D. Ph.D.  
Veena Arpit Nagar, M.D.  
Bernard B. O’Malley, M.D.  
Brett C. Pieper, M.D.  
Janet Helen Pollard, M.D.  
Osama Anwar Ahmed Raslan, M.D., MSc, MBBC  
Matthew Scott Robertson, M.D.  
Sam Samaan, M.D.  
Panagiotis A. Sideras, M.D.  
Houman Sotoudeh, M.D.  
Devaki Shilpa Sudha Surasi, M.D.  
Michael Tabone, D.O.  
Yingbing Wang, M.D.  
Wolfgang A. Weber, M.D.  
Steven Lyle Weiner, M.D.  
Erik Daniel Weiss, M.D., M.P.H.  
Homeira Zahiri, M.D.  
Elcin Zan, M.D.  
Honglei Zhang, M.D.  
Xiaosun Zhou, M.D., Ph.D.
Diplomates Who Passed the 2015 MOC Examination

Sue H. Abreu, M.D.
Atul Aggarwal, M.D.
Esma A. Akin, M.D.
Thomas William Allen, M.D.
Donald R. Anderson, M.D.
Syed a Asad, M.D.
Shiva Badiee, M.D.
Reetha Bakhula, M.B., B.S.
Kenneth Bennet, M.D.
Gholam Reza Berenji, M.D., M.S.
Pradeep G Bhambhvani, M.D.
Tamara Lien Biega, M.D.
Bijan Bijan, M.D., MBA
Rodney Russell Bowman, M.D.
Howard A. Carpenter, M.D.
Brigid Gordon Castro, M.D.
George N Chacko, M.D.
Izzat Chalabi, M.D.
Delphine L. Chen, M.D.
Hannah L Chung, M.D.
Zachary Collins, M.D.
Mary Ann Curtis, M.D.
Johannes Czemin, M.D.
Paresh B. Desai, M.D.
Kevin Donohoe, M.D.
Mark Phillip Dunphy, D.O.
Gregory John Elberfeld, M.D.
Barry Lee Engelstad, M.D.
Hedieh Khalatbary Eslamy, M.D.
Matthew J Fleishman, M.D.
Stephen E. Fleming Jr., M.D.
Samy S Fourati, M.D.
John D. Friedman, M.D.
Mark L Gates, M.D.
Ahmed M. Gharib, MB ChB
Michael M. Graham, Ph.D., M.D.
Frederick Daniel Grant, M.D.
Bennett S. Greenspan, M.D.
Weishen D. Griggs, M.D., Ph.D.
Arti Gupta, M.D.
Rosalie Jane Hagge, M.D.
Stephen James Handrich, M.D.
John Hochhold, M.D.
Navid H. Homayouni, M.D.
Hyewon Hyun, M.D.
Andrei Horia Iagaru, M.D.
Charles Intenzo, M.D.
Yuliya S Jhanwar, M.D.
Wendell C. Johnson, M.D.
Leah Jane Johnsd, M.D.
Michael K Kan, M.D.
Alexander Kemel, M.D.
Angabeen Sultana Khan, MB BS
Ahsan Mohammed Khan, M.D.
Nandakishor Khedkar M.D.
Hemet Kherbache, M.D.
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Aaron M. Kistler, M.D.
Mark R Krakovitz, M.D.
Barbara Hwa Kuang, M.D.
Russ A. Kuker, M.D.
Dominick Lamonica, M.D.
Paul S. Lang, M.D.
Hamid R. Latifi, M.D.
William C Lavelly, M.D.
Sang O. Lee, M.D.
Shay J. Lee, M.D.
Steven H. Lee, D.O.
Olga Lyass, M.D.
Melissa Maral Mardiros, M.D.
Carina Mari Aparici, M.D.
William H. Martin, M.D.
Dana Mathews, Ph.D., M.D.
Matthew Mattern, M.D.
Jonathan McConathy, M.D., Ph.D.
Eileen Jose M. Mercado-Yap, M.D.
Jules Gary Minkes, D.O.
Eduardo Moroni, M.D.
Christopher Knoll Mosley, M.D.
Sudha Narasimhan, M.D.
David Hock Leng Ng, M.D.
Nghia C Nguyen, M.D., Ph.D.
Daniel Patrick, M.D.
Michael D Petrucci, M.D.
Ryan Pham, M.D.
Martin G. Pomper, M.D., Ph.D.
Jonathan Matthew Potts, M.B., B.S.
Douglas Allen Prager, M.D.
Anil Ramachandran, M.D.
Gregory Calderoni Ravizzini, M.D.
Peter Hugo Rosal, M.D.
Paul R. Rust, M.D.
Maya Chandra Sahajwalla, M.D.
Martin P. Sandler, M.D.
Louis Sanjar, M.D.
Akbar Raza Shah, M.B., B.S.
Soheil Sharifi-Amina, D.O.
Neetha Shetty-Alva, M.D., MS
Daniel Sigg, M.D., Ph.D.
Won Seuk Song, M.D.
Ethan J. Spiegler, M.D.
Derek Joseph Stocker, M.D.
David Tenenberg, M.D.
Georgi Todorov, M.D.
Marina Bernadette S. Tomas, M.D.
Sandeep Singh Tuli, D.O.
Najat Turaif, M.D.
Sumeet Verma, M.D.
Ronald C. Walker, M.D.
Xia Wang, M.D.
Alan Waxman, M.D.
Franklin Chiu-Leung Wong, M.D., Ph.D.
JD MBA
Feiyu Xue, M.D., Ph.D.
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Ahmed Aly Zaza, M.D.
Michael S Zinsmeister, M.D.