



2024 Combined Issue



Continuing Certification - effective January 1, 2025

The ABNM Maintenance of Certification (MOC) Program will be updated to reflect the changes required by the American Board of Medical Specialties (ABMS) new "Standards for Continuing Certification (CC)".

[Read More](#)

We are proud to announce a soft launch of our redesigned website!



Message from the Chair

Ryan D. Niederkohr, MD

Past Chair, American Board of Nuclear Medicine

Looking to the future, the ABNM has discontinued all requirements for SAM credits ...

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ABNM Financial Report for Fiscal Year 2023

George M. Segall, MD

Executive Director Emeritus, ABNM

2023 Financial Report

The ABNM started 2023 with a budget of...

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Message from the New Executive Director

Kirk A. Frey, MD, PhD

Associate Executive Director, ABNM

ABNM Diplomates are highly encouraged to use....

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IMPORTANT DATES



2025

JAN 7 – CertLink 4th Quarter 2024 Ends
16 – New CertLink Cycle Begins
12-25 – In-Training Exam Administered

APR 20-May 3 – International In-Training Exam Administered

OCT 6-18 – CE and MOC Exam administered at CBT Pearson VUE locations

Communications Committee

Chair Message

K. Elizabeth Hawk, MS, MD, PhD

Communications Committee Chair, ABNM

When we think about our current ABNM diplomates and the next generations of nuclear medicine physicians, we must ...

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MOC Committee

Chair Message

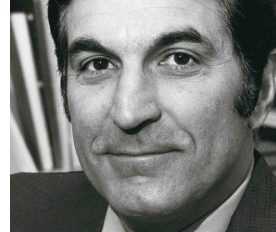
Maria Rosana Ponisio, MD

MOC Committee Chair, ABNM

The ABNM offers diplomates two options for recertification ...

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IN MEMORIAM



Gerald L. DeNardo, MD

1932 - 2024

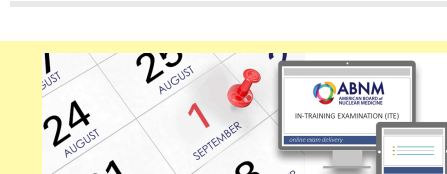
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Eva V. Dubovsky, MD, PhD

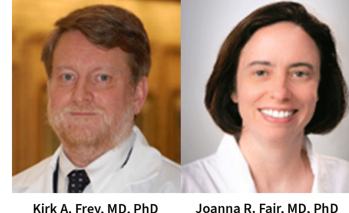
1933 - 2023

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ABNM IT Exam Information

- [2025 IT Exam Information](#)
- [2025 IT Exam FAQ](#)
- [2025 Proctor Quick Start Guide](#)
- [IT Exam Online Platform Review Webinar](#)
- [2024 IT Exam Statistics](#)



Kirk A. Frey, MD, PhD
Executive Director



Joanna R. Fair, MD, PhD
Associate Executive Director

New Leadership Team at the ABNM

The ABNM is pleased to announce Kirk Frey, MD, PhD as the new Executive Director and Joanna Fair, MD, PhD as the new Associate Executive Director of the ABNM effective July 13, 2024

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Welcome to Our New Board Member

Katherine Zukotynski, BSc, MD, PhD, FRCPC, PEng, FACNM – Associate Professor, Departments of Radiology & Medicine at McMaster University

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- [New Diplomates 2023](#)
- [Diplomates Who Passed the 2023 MOC Examination](#)
- [Diplomates Who Met the CertLink® Passing Standard in 2023](#)
- [2023 CE & MOC Exam Pass/Fail Rates](#)



CertLink (MOC)

- [Frequently Asked Questions](#)

CertLink In-Training

- [About](#)
- [Frequently Asked Questions](#)



CERTLINK PARTICIPANTS: Key points that will assist you in receiving a passing score on CertLink® and fulfilling the ABNM requirements for re-certification

Answer all questions by the deadline date for each quarter. Quarters cannot be reopened.

Don't get distracted. Questions are timed. Once you start a question, you have five minutes to submit your answer.

MOC profile updates are a requirement for maintaining board certification. In order to prevent an interruption in your certification log into your profile annually and update the following:

Update/Confirm Contact Information

Pay MOC Invoice(s)

Update MOC Parts 1, 2 and 4



DID YOU KNOW...

Your **ABNM profile** and your **CertLink® profile** are on **TWO separate platforms**:



Access to your ABNM profile is located at <https://www.abnm.org/login>. Here you have access to your certification/contact information, MOC invoices, CME's and PPA

ARE YOU currently participating in CertLink? Access your dashboard at <https://abnm.mycertlink.org/>

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FOLLOW US

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:

Kirk A. Frey, MD, PhD
Executive Director
American Board of Nuclear Medicine
abnm@abnm.org

[Click here to download a printable PDF of this newsletter.](#)

Continuing Certification Requirements Updated in 2024

George M. Segall, MD – Executive Director Emeritus, American Board of Nuclear Medicine

The American Board of Medical Specialties (ABMS) and its 24 Member Boards, including the ABNM, has made significant changes to the Maintenance of Certification (MOC) Standards developed in 2015. The MOC Standards have been replaced by the Standards for Continuing Certification (CC) **effective January 1, 2024** <https://www.abms.org/board-certification/board-certification-standards/standards-for-continuing-certification/>. The new standards were developed with wide input from diplomates across all medical specialties, professional societies, and many other stakeholders. A summary of the most important changes, include:

- **Member Boards must determine at intervals no longer than 5 years whether a diplomate is meeting continuing certification requirements to retain each certificate.**

Beginning in 2025, ABNM certificates will expire after 5 years, including initial certificates and continuing certificates. There is no additional cost to diplomates, and diplomates participating in CertLink® will not have any additional requirements. Diplomates must not be more than one full calendar year behind in continuing certification requirements to be considered meeting requirements. For diplomates who prefer to take the recertification exam instead of CertLink, they will need to pass the exam every 5 years to get a new certificate. There is no additional cost for the exam.

- **Member Boards' continuing certification programs must reflect principles of continuing professional development (CPD) with an emphasis on clinically oriented, highly relevant content.**

The ABNM no longer requires 8 hours per year of Self-Assessment Module (SAM) credit. The ABNM still require an average of 25 hours of AMA category 1 continuing medical education per year, but diplomates can choose the education that is most relevant to them.

- **Member Boards must assess whether diplomates have the knowledge, clinical judgement, and skills to practice safely and effectively in the specialty. Member Boards must offer assessment options that have a formative emphasis and that assist diplomates in learning key clinical advances in the specialty.**

The ABNM launched its formative longitudinal assessment program, CertLink, in 2018. More than 90% of ABNM diplomates recertify by participating in CertLink rather than take the recertification exam. CertLink helps diplomates stay up to date by presenting clinically relevant questions with immediate feedback.

ABNM requirements for professionalism (licensure and ethical behavior), and improving health and health care (quality improvement activities that most physicians are already doing) are unchanged. See “Message from the Chair” in this issue of Tracers for more details.



Message from the Chair

Ryan D. Niederkoehr, MD – *Past Chair, American Board of Nuclear Medicine*

Dear ABNM Diplomates:

As we come to the end of the year, the topic of change comes to mind. I am eager to share with you some upcoming changes that will be coming soon with respect to maintenance of ABNM certification.

In the past, the concept of self assessment modules (SAMs) was considered an essential element of lifelong continuing education by many certification boards, including the ABNM. SAM credits were offered from a variety of venues including at live meetings and via journal articles. While the concept of self assessment questions makes sense in principle, in practice the concept became somewhat clunky for both diplomates and creators / presenters of educational content.

This year, the ABNM discontinued all requirements for SAM credits. We are pivoting to a more robust system which will incorporate many “real world” activities to fulfill ongoing education and professional development requirements.

For example, in the future, activities such as ongoing research in nuclear medicine, participation in tumor boards or other case conferences, participation in activities or committee work related to radiation safety and safe handling of radiopharmaceuticals, and other related professional activities will be accepted to fulfill Continuing Certification (CC) - Professional Development Activities (formerly MOC Part 2) requirements, in lieu of CME/SAM credits.

It is hoped that these changes will add both value and flexibility by recognizing and integrating the value of the ongoing work done by our diplomates as part of our clinical and/or academic practices. In conjunction with Certlink as a robust online tool for ongoing longitudinal learning at the diplomate’s convenience, the ABNM is trying to bring maintenance of certification (now Continuing Certification) into the modern era. As always, your feedback is welcomed.



Ryan D. Niederkoehr, MD
Past Chair

ABNM Financial Report for Fiscal Year 2023

George M. Segall, MD – *Executive Director Emeritus, American Board of Nuclear Medicine*

The ABNM fiscal year is January 1 through December 31. A full audit is conducted every two years by UHY, a certified public accounting firm. The firm conducts a less extensive financial review in alternate years. In 2023, UHY audited ABNM's financial statements for the year ending December 31, 2022. The report dated August 23, 2023, noted total assets of \$4,180,556 with a decrease of \$650,560 compared to the prior year, mostly due to a decrease in ABNM's investment portfolio. The value of the portfolio decreased 11.2% during 2022, which is a smaller decrease than the 18.1% decline in the S&P 500 during the same year. The auditors' report also noted that ABNM financial statements conformed to generally accepted accounting principles, and that no material modifications were required.

The United States Income Tax Return, Form 990, filed by all non-profit organizations, is publically available. The returns filed by the ABNM can be found on the IRS website <https://apps.irs.gov/app/eos/>.

The ABNM started 2023 with a budget of \$937,277 in operating (non-investment) income. At the end of the year, the estimated operating income was \$952,821. Income was above budget mostly due to a larger than expected number of physicians paying exam application fees, and more diplomates paying MOC fees.

The ABNM started 2023 with a budget of \$1,014,070 in operating expense, for a projected deficit of \$76,793. At the end of the year, the estimated operating expense was \$996,456, which was under budget mostly because of a decrease in meetings and travel expense.

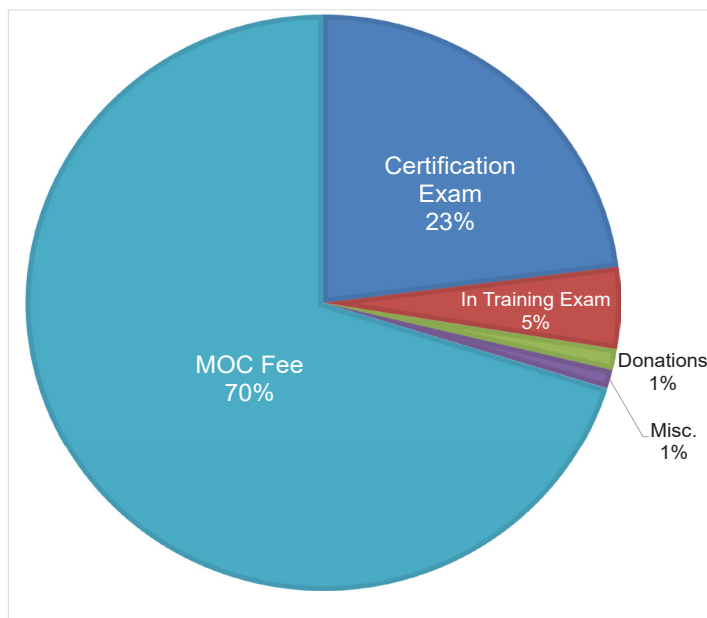
The ABNM ended 2022 with a net operating income of -\$43,635.

A break down of the major income and expense categories for 2023 is shown in the following diagrams.

The largest percentage of income (70%) was derived from the Maintenance of Certification (MOC) annual fee. The annual fee was \$150 when it was instituted in 2007. It was increased to \$175 in 2010. The fee was increased to \$400 in 2012 to eliminate additional registration fees paid by diplomates for the MOC

exam (and CertLink, which was launched in 2018). The annual MOC fee was increased to \$500 in 2019 after 6 years without an increase because inflation made it impossible to maintain a balanced operating budget without an increase, despite reducing the number of staff in the ABNM office from 4 to 3 full-time employees. Due to COVID related decrease in travel and meeting expense, diplomates received a \$50 credit in 2021 and 2022, effectively reducing the annual MOC fee to \$450. The ABNM was able to keep the fee at \$450 in 2023 by switching from two in-person meetings per year, to having one in-person meeting and one virtual meeting.

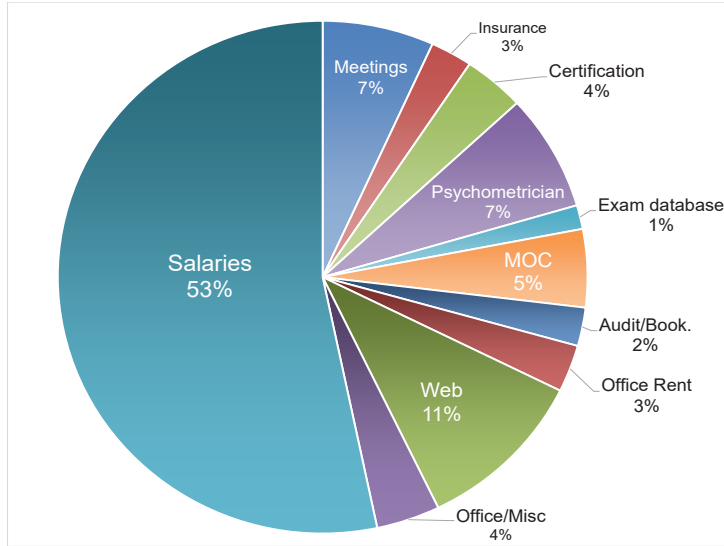
2023 Operating Income



The largest expense was salary for five employees (3.5 FTE), including the Executive Director (0.25 FTE), Associate Executive Director (0.25 FTE), Administrator, MOC and Exams Program Manager, and Communications and Diplomate Relations Program Manager. Salaries were 53% of total expense in 2023.

ABNM operations and exam production is handled by ABNM staff in St. Louis, and by directors located throughout the United States using email and conference calls.

2023 Operating Expense



The ABNM has \$4.23 million (as of December 31, 2023) in an investment portfolio managed by Wells Fargo Advisors. The value of the portfolio increased \$0.72 million in 2023. The investment portfolio is the ABNM's reserve fund for unexpected financial difficulties, as well as major new initiatives. The newest initiative is a complete redesign of the ABNM website. The new website will make it easier for users to find information, apply for exams, and upload documents. It will also enable the ABNM to send test scores to physicians through a new, secure portal. A soft launch of the new website and portal went live in October. We continue to work with our website development team on the sites functionality and diplomate/user experience and will continue to provided updates as needed.

George M. Segall, MD
Executive Director Emeritus

Message From the New Executive Director

Kirk A. Frey, MD, PhD – Executive Director, American Board of Nuclear Medicine

ABNM Diplomates are highly encouraged to use the CertLink (CL) resource for ongoing demonstration of conceptual mastery in Nuclear Medicine (NM) and identification and improvement of knowledge gaps in recent advances in the field. By design, CL targets concepts (Key Points) that are established in the general practice of NM. The ongoing overall CL structure is intended to deliver 36 new items to each participant each year (9 items per quarter). After 4-5 years of participation, participants receive summative feedback on their final level of mastery for their upcoming certification renewal. If a diplomate has not had a satisfactory CL performance, they must then pass the ½-day re-certification exam to achieve a new certificate.

A significant majority of participants who do not meet the needed CL performance score have fallen short based on items “missed” due to failing to complete the items from at least one quarter, and often for several quarters. Thus, it is essential to complete CL items in the 3-month distribution period 4 times per year. Unanswered CL questions are scored as “incorrect” and count towards to overall 4-year assessment period.

Because CL participation is an important aspect of ABNM re-certification, the Board conducts several item oversight procedures intended to enhance and maintain the reliability and accuracy of participant assessments. Each published item is tracked continuously for participant comments offered during the testing encounter. Items that may have controversial interpretations are brought to ABNM attention, triggering an additional review of the underlying medical evidence documentation. In instances where there is uncertainty about item validity, it is “deleted from scoring”, resulting in elimination of the item from all participant assessments and removal of the item from further distribution.

Additional scrutiny occurs annually when all actively published items are assessed with psychometric statistical measures to identify potential problems with item validity. Again, items with outlying statistical properties are reviewed by ABNM reviewing the underlying medical evidence and the item structure. This process, known as key validation, identifies additional items that are deleted from scoring.

As a result of item curation and deletion, each participant may find their 4-5 year summative assessment based on fewer than the nominal 124 unique items. CL participant dashboards online do not reflect the impact of deleted items but do capture the effect of re-presentation of incorrect items to participants. If a participant correctly answers a re-presented item, the score replaces the initial incorrect classification. Thus, if a participant

is prompted to review the underlying medical evidence for an item (literature references/links on the review page after item response), their improvement in understanding the item Key Point is rewarded (emphasizing the formative/educational aspect of CL participation).

An additional aspect of all ABNM exams, including CL, is the categorical distribution of item Key Points. As NM diplomates know, our field has many diverse aspects, all related to the fundamental property of the tracer principal central to NM. Residency training in NM requires experience throughout the breadth of the field, and includes patient experience in cardiovascular, therapeutic, and pediatric aspects. Additionally, residents must satisfy NRC criteria to achieve Authorized User designation for eligibility to attempt the ABNM Certification Exam.

After certification, ABNM diplomates follow a range of clinical practice activities, often not encompassing the entire range of NM. As a result, ABNM structures the CL (and re-certification exam) based on our active diplomate practice profiles (derived from diplomate annual updates on www.abnm.org). The ABNM exam blueprint distributes items according to diplomate profiles and reviews/updates this periodically. Data from the years 2018-2020 reveal that 35% employ general single-photon imaging, 39% use positron emission tomography, 17% perform cardiovascular imaging and 7% provide radiopharmaceutical therapy. Superimposed on these categories, 9% of diplomates include pediatric patients in their practices. The current ABNM CL blueprint consists of 64% general NM and PET imaging (with emphasis on oncology applications), 16% cardiovascular imaging, 10% NM therapy and 10% “core” concepts (regulatory, patient safety, imaging physics and radionuclide/decay properties).

Unfortunately, ABNM diplomates are insufficient in number to offer valid and reliable sub-disciplinary re-certification for diplomates who do not practice across the entirety of NM, but knowledge of the blueprint should provide background for diplomates to remain current across the entire field. ABNM periodically reviews diplomate profile data and updates the exam blueprint – anticipated review of 2021-2024 profiles and potential blueprint refinement will occur in early 2025.


Kirk Frey, MD, PhD
Executive Director

Communications Committee Chair Message

K. Elizabeth Hawk, MS, MD, PhD – *Communications Committee Chair, American Board of Nuclear Medicine*

Communicating information effectively is a relatively simple task. However, how people consume information has evolved tremendously across different generations. The field of nuclear medicine is thought to have been born in the 1950s. Since then, information related to our specialty has been shared through various handwritten, printed, digital, and multimedia platforms. When we think about our current ABNM diplomates and the next generations of nuclear medicine physicians, we must take a step back and acknowledge that different groups of people like to communicate differently.

The Lost Generation are those born between 1883 and 1900. This group of people came of age during or immediately following World War I. They are considered a generation deeply affected by the trauma of war and the rapid social changes of the early 20th century. Communication was generally through handwritten messages and printed materials.

The Greatest Generation are those born between 1901 and 1927. This generation experienced the Great Depression, and some fought in World War II. Like the Lost Generations, communication was generally through handwritten or printed materials.

The Silent Generation are those born between 1928 and 1945. This generation grew up during the Great Depression and World War II. In general, people of this generation typically use digital media less than younger generations. They may use email and basic internet browsing but are not usually as active on social media platforms. Often, this generation prefers traditional media such as television and newspapers.

The Baby Boomers are those born between 1946 and 1964. Baby boomers are increasingly adopting digital media but might not be as tech-savvy as younger generations. They often use social media platforms like Facebook to connect with family and friends. This generation also uses digital media for news consumption, email, and online shopping.

Generation X are those born between 1965 and 1980. Generation X grew up during the rise of the internet, and they are generally comfortable with digital technology. They are active users of social media platforms like Facebook and LinkedIn. This generation often consumes digital media for entertainment, news, and staying connected to one another personally and professionally.

Millennials (also known as **Generation Y**) are those born between 1981 and 1996 (or, according to some resources, people born up to the early 2000s). This generation is considered the first true digital natives, having grown up in an era of smartphones, social media, and constant connectivity. Millennials heavily utilize social media platforms such as Instagram, Snapchat, and X (formerly Twitter) for communication and self-expression. Millennials are known for streaming services like Netflix, Spotify, and YouTube for entertainment. Often, this generation prefers digital platforms for news consumption and is more likely to get news from online sources than traditional print media.

Generation Z (also known as **Zoomers**) are those born in the late 1990s to early 2010s (exact range varies across different sources). Generation Z is the first generation to grow up entirely in the digital age. This generation is highly active on social media platforms like TikTok, Instagram, and Snapchat. Often, they prefer visual content and short-form videos. Generation Z is more likely to use streaming services for entertainment than traditional television.

Generation Alpha are those born from the early 2010s to mid-2020s (exact range varies across sources). This is the newest generation, born into a world of advanced technology, automation, and increasing global connectivity. Generation Alpha is growing up in an era of visual-centric social media platforms. They will likely gravitate towards platforms prioritizing visual content, such as YouTube, TikTok, and Instagram. Generation Alpha often gravitates toward short-form content over long-form content. Platforms like TikTok, specializing in short videos, may particularly appeal to them. Generation Alpha may be drawn to social media platforms that offer interactive and engaging features, such as filters, stickers, AR effects, and games.

At the ABNM we hope to communicate to all generations of diplomates effectively. Whether it's our warm in-person presence at a variety of different meetings throughout the year, longer form communications such as this newsletter, or our quick announcements and posts on a variety of different digital media platforms, we hope to reach each of you in a way that feels engaging and authentic. How would you like to communicate with us? We would love to hear from you!

MOC Committee Chair Message

Maria Rosana Ponisio, MD – MOC Committee Chair, American Board of Nuclear Medicine

The ABNM offers diplomates two options for recertification: the traditional exam and the web-based longitudinal assessment, CertLink® 2.0. This has been updated in design and functionality, with the addition of [PubMed®](#) links in the question debriefing section. This feature allows diplomates to download references for later reading and review. Diplomates must update their profile annually to maintain accurate communication with the board and avoid negative impacts on their certifications.

ABNM encourages trainees to participate in CertLink® IT. Upon completing the in-training exam, trainees gain access to this important tool. From January 2018 to January 2024, 1,403 diplomates and 149 trainees engaged in CertLink, resulting in a cumulative total of 1,552 participants.

The Continuing Medical Education (CME) requirements have been replaced by more comprehensive Continuing Professional Development (CPD) activities, encompassing traditional CME, among other options. The requirement for 8-hours of annual Self-Assessment Module (SAM) activity has been discontinued. The new requirements are:

- A minimum 2-year average of 25 AMA category 1 credits per year of continuing professional development (CPD) activities that maintain, update, develop and enhance knowledge, skills, and attitudes in response to the needs of patients
- Diplomates must maintain documentation of meeting the requirements which they may be required to submit prior to the start of a new recertification period.

The eligibility policy for the ABNM certification exam has been updated, allowing Diagnostic Radiology (DR) residents in an institution with an ACGME accredited Nuclear Medicine or Nuclear Radiology program to take the ABNM certification exam in the final year of their residency if:

1. they have completed 16 months of Nuclear Medicine training and have fulfilled all ABNM training requirements and
2. they have passed the ABR core exam.

Trainees with prior foreign DR training participating in the DR alternate pathway in an institution with an ACGME accredited Nuclear Medicine or Nuclear Radiology program may take the ABNM certification examination in the final year of their pathway if:

1. they have completed 16 months of Nuclear Medicine training and have fulfilled all ABNM training requirements and
2. they have passed the ABR core examination.

For more information, please visit the [Training Requirements for the Certification Exam](#) page on the ABNM website.

New Leadership Team at the ABNM

The ABNM is pleased to announce that Kirk Frey, MD, PhD became the Executive Director, and Joanna Fair, MD, PhD became the Associate Executive Director of the ABNM on July 13, 2024.



Dr. Frey served as a director of the ABNM from 2007-2015 and served as Chair in 2012. He has been the Associate Executive Director since 2022. He also currently serves as the ABNM's representative to the American Board of Medical Specialties Committee on Continuing Certification. As Associate Executive Director, Dr. Frey has had primary responsibility for production of the In-Training, Certification, and Maintenance of Certification exams. He has also been responsible for continuing development of CertLink®, the ABNM's longitudinal assessment program. Dr. Frey served on the ACGME Nuclear Medicine Review Committee from 2014-2021 and was Chair from 2018-2021. Dr. Frey is also Professor of Radiology and Neurology at the University of Michigan, and the David E. Kuhl Collegiate Professor of Nuclear Medicine in Radiology since 2010. He served as the Chief, Division of Nuclear

Medicine at the University of Michigan in Ann Arbor from 2004-2021. He is an internationally recognized expert in radionuclide imaging of neurodegenerative disorders.



Dr. Fair served as a director of the ABNM from 2014-2020 and served as Chair in 2020. Dr. Fair was instrumental in the development of CertLink, the ABNM's longitudinal assessment program. Dr. Fair is also Professor of Radiology at the University of New Mexico and was designated Regents' Professor in 2023. She was Chief of Nuclear Medicine from 2010-2018 and has been a Vice Chair in the Department of Radiology since 2016. She also recently served as Senior Associate Dean of Graduate Medical Education and Designated Institutional Official for the University of New Mexico School of Medicine. Dr. Fair has served in many leadership roles in the Society of Nuclear Medicine and Molecular Imaging and is a nationally recognized expert in GME.

Welcome to Our New Board Member

Meet the Newest Member of the ABNM

Katherine Zukotynski, BSc, MD, PhD, FRCPC, PEng, FACNM – Associate Professor, Departments of Radiology & Medicine at McMaster University



Dr. Zukotynski is an Associate Professor at McMaster University in the Department of Radiology with a joint appointment in the Department of Medicine. She is also an Associate Member in the School of Biomedical Engineering at McMaster University. Dr. Zukotynski completed a PhD in machine learning and brain imaging through the Institute of Biomaterials and Biomedical Engineering at UofT (2015-2020) and became a licensed P.Eng. in 2020. She is a Fellow of the Royal College of Physicians and Surgeons of Canada in Nuclear Medicine and Radiology and is also board certified in Nuclear Cardiology, Nuclear Medicine and Radiology in the United States. She was named a Fellow of the American College of Nuclear Medicine (ACNM) in 2021.

Dr. Zukotynski has 94 publications, several in top journals in her field. She has authored 19 book chapters and co-edited one book. She is co-PI on pan-Canadian grants totaling over \$7,000,000 for research in her field. She has also developed a research portfolio in machine learning and dementia imaging through her PhD that has led to ongoing work as well as collaborations across North America. She has received several awards for her research and was named the Academic Radiologist of the Year in the Department of Radiology at McMaster University in 2017.

She enjoys education both as a student and as a teacher. Over the years, she developed a national/international reputation in nuclear medicine education, she has also been an invited instructor for PET/CT workshops sponsored by the Radiologic Society of North America (RSNA), the American College of Radiology (ACR) and the Memorial Sloan Kettering Cancer Center (MSKCC). She has been invited to give lectures by the radiology residents at Brigham and Women's Hospital every year since 2008 and has also given lectures in the Canadian Nuclear Medicine Resident Review Course and the Nuclear Medicine Review Course offered by the Society of Nuclear Medicine and Molecular Imaging (SNMMI).

Dr. Zukotynski has organized numerous continuing education (CE) and self-assessment sessions (SAMs) in her roles as Chair of the American Roentgen Ray Society (ARRS) Nuclear Medicine Section Instructional Courses (2018-2020), Chair of the RSNA Refresher Course Committee Nuclear Medicine Track (2019-2020) and, most recently, Chair of the RSNA Annual Meeting Program Planning Committee Nuclear Medicine/ Molecular Imaging Track (2020-2022).

She enjoys being involved in curriculum development. She is involved in the residency accreditation process through the Royal College of Physicians and Surgeons of Canada, acting as an external on-site surveyor for University of Alberta (2017), McGill (2019) and L'Université de Montréal (2021). She believes nuclear medicine holds a unique position in imaging and therapy, and is poised to lead in research and education.



2023 Contribution List

THANK YOU TO ALL OUR DONORS

Radium (\$2000-above)

George Segall, MD
Kirk Frey, MD, PhD

Fluorine (\$1000-\$1999)

George Hermann, MD
Jeffrey Nemeroff, MD

Indium (\$500-\$999)

Guido Davidzon, MD, SM
Hossein Jadvar, MD, PhD, MPH, MBA, MSL
Collins Kankam, MD
David Mankoff, MD
Helen Nadel, MD

Iodine (\$200-\$499)

Scott Perlman, MD
Borys Krynyckyi, MD
Benjamin Franc, MD
Yamin Dou, MD
Yogeshkumar Patel, MB BS
Barry Shulkin, MD, MBA

Technetium (Up to \$199)

Ion Codreanu, MD, PhD
Twyla Bartel, DO, MBA, FACNM
Robert Jaffe, MD
Cecilia Jude, MD
Hollie Lai, MD
Maria Lindenberg, MD
James Woolfenden, MD
Kwasi Armah, MD
Luvenia Bender, MD
Jorge Brito, MD
Fernando Cesani-Vazquez, MD
Patrick Colletti, MD
Paresh Desai, MD
Kevin Donohoe, MD
Giuseppe Esposito, MD
Sami Fakir, MD
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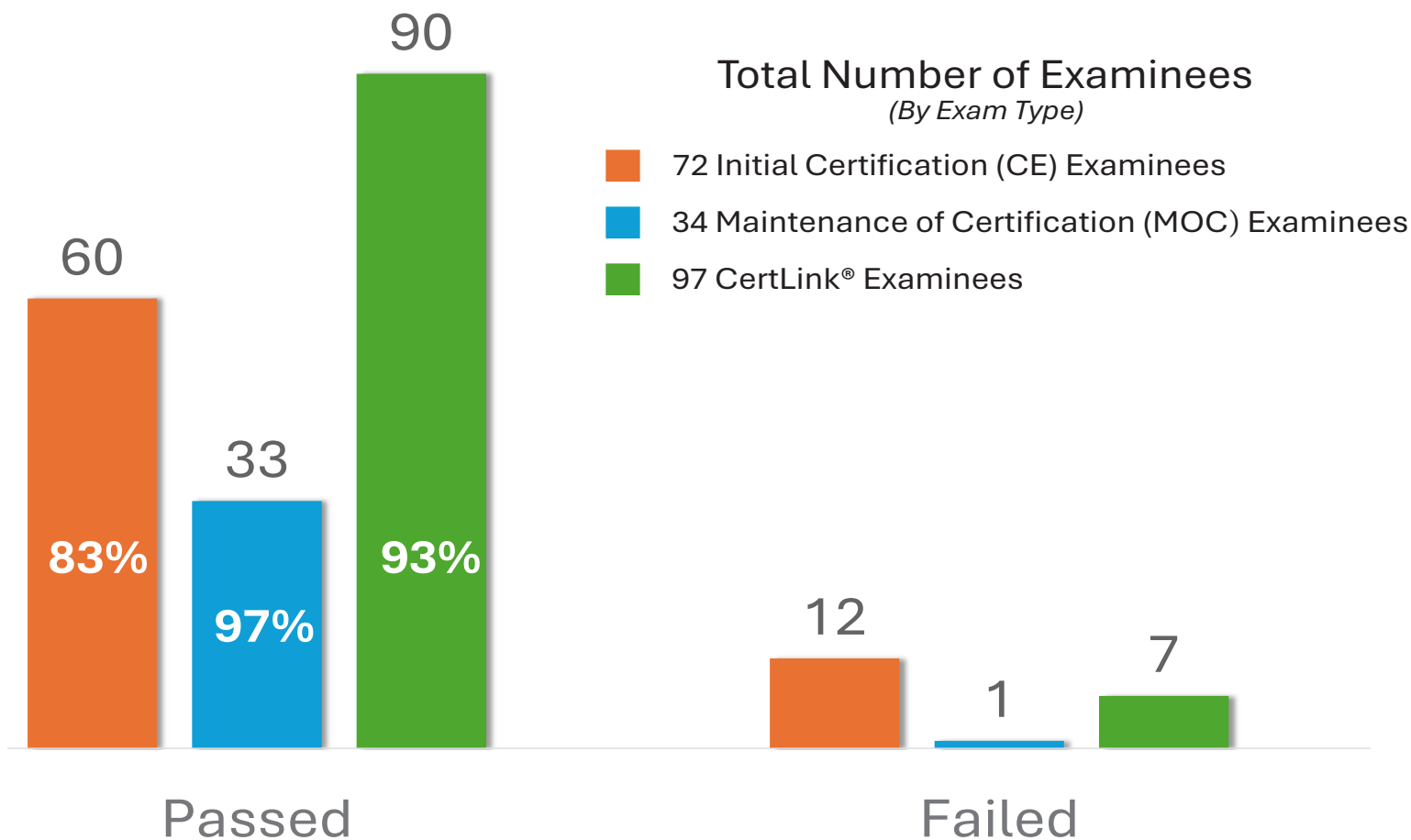
Frederick Grant, MD
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Nathan McWhorter, DO
Eileen Jose Mercado-Yap, MD
Gustavo Mercier, MD, PhD, MBA
Homayoun Modarresifar, MD
Bernard O'Malley, MD
Diane Pap, MD

Maria Parayno, MD
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Jonathan Travis, MD
Bradley Trotter, MD
Jon Umlauf, MD, MPH
Rafael Vaquer-Camacho, MD
James Wilson, MD
Hongyun Zhu, MD
Megan Zare, MD
Susie Forbes, MD

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 above listed Diplomates for their generous support of the ABNM through a financial donation in 2023.



2023 Exam Pass/Fail Rates





New ABNM Diplomates

CONGRATULATIONS TO OUR NEW DIPLOMATES WHO PASSED THE ABNM
INITIAL CERTIFICATION EXAM IN OCTOBER 2023

Farzad Abbaspour-Raddakheli
Oladunni Akin-Akintayo
Ragheed Al-Dulaimi
Lara Antonios, MD
Jaspreet Singh Batra
Brian J. Burkett, MD, MPH
Emmanuel Carrodegua
Turgut Bora Cengiz, MD
Rami Chatta
Lokeshwar Reddy Chinthakunta
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Pejman Dalaie
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Eric Dietsche
Will Fletcher
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Diplomates Who Passed the 2023 MOC Exam

CONGRATULATIONS TO OUR DIPLOMATES WHO PASSED THE ABNM MAINTENANCE OF CERTIFICATION EXAM IN OCTOBER 2023

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Geoffrey B. Johnson, MD, PhD
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Diplomates Who Met the CertLink® Passing Standard in 2023

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2024 In-Training (IT) Exam Statistics

