



# TRACERS

The American Board of Nuclear Medicine

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A Member Board of the American Board of Medical Specialties

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## SNMMI Newsline: Looking to the Future: The ABNM in the Next 10 Years

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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- $\beta$  imaging agent in 2012 and  $^{223}\text{Ra}$ -chloride 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](mailto:abnm@abnm.org).



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