Quality: Sharpening the Focus
Mission
To improve human health by advancing nuclear medicine, molecular imaging, and radionuclide therapy.

Vision
SNMMI will be the leader in unifying, advancing, and optimizing nuclear medicine, molecular imaging, and radionuclide therapy.

Core Values
- Excellence in patient care
- Ethical behavior and integrity
- Respect for all people and ideas
- Fostering inquiry and reflection
- Visionary leadership
- Excellence, professionalism, and collaboration
- Lifelong learning
ABOUT THE SOCIETY OF NUCLEAR MEDICINE AND MOLECULAR IMAGING

The Society of Nuclear Medicine and Molecular Imaging (SNMMI), headquartered in Reston, Va., is a nonprofit scientific and professional organization dedicated to advancing the science, technology and practical application of nuclear medicine, molecular imaging and radionuclide therapy.

For more than 60 years, SNMMI members have developed—and continue to explore—innovations in medical imaging to allow for noninvasive diagnosis, management and treatment of diseases, benefiting countless patients. SNMMI’s 17,000 members, in more than 70 countries around the world, include physicians, technologists, physicists, pharmacists, scientists, laboratory professionals and others committed to advancing nuclear medicine and molecular imaging.

ABOUT NUCLEAR MEDICINE AND MOLECULAR IMAGING

Nuclear medicine and molecular imaging play a vital role in the practice of medicine across the full spectrum of patient care, from research to diagnosis to therapy.

Molecular imaging allows doctors to visualize a biologic process at the molecular level to help diagnose a disease or condition. Nuclear medicine procedures use small amounts of radioactive material—called “radiopharmaceuticals” or “radiotracers”—to diagnose and treat disease.

Nuclear medicine and molecular imaging are leading to remarkable breakthroughs in patient care. In the United States alone, each year more than 18 million patients benefit from nuclear medicine and molecular imaging procedures used to help diagnose and treat a wide variety of diseases, including heart disease, Alzheimer’s disease and many cancers.

These non-invasive procedures are safe, effective and painless, and SNMMI works to promote their sound practice and to improve awareness of the field among both the medical community and the public at large. SNMMI strives to advance a single mission: To improve health care by advancing nuclear medicine, molecular imaging and radionuclide therapy.
Dear Members,

The landscape has shifted for nuclear medicine and molecular imaging, as it has for many other areas of medicine, toward incorporating principles of quality, evidence and value into everyday clinical practice while at the same time ensuring appropriate reimbursement. In the past year, SNMMI has focused on three specific goals in order to adjust to this new landscape, stay relevant and provide a healthy outlook for the field.

The first goal is to advance the quality, value and safety of nuclear medicine and molecular imaging. SNMMI established a new Evidence and Quality Department as well as two new committees to lead our work in these areas. The Quality and Evidence Committee is leading our efforts to measure and improve clinical practice, establish evidence-based benchmarks and develop education programs and clinical data registries related to quality and safety. The Guidance Oversight Committee is directing the development of appropriate use criteria (AUC), which will soon be critical when medical professionals order nuclear medicine procedures. Four AUC will be completed by November 2015.

The second goal is to facilitate the translation of new radiopharmaceuticals to the clinic. SNMMI hosted a meeting last October to bring stakeholders in this issue together, including the Food and Drug Administration, Centers for Medicare & Medicaid Services, National Institutes of Health, Nuclear Regulatory Commission, industry and specialty societies. These stakeholders worked to clarify the regulatory climate, determine ways to improve the current approval pathway and develop ideas for a new pathway. A summary of the meeting will soon be available and will outline desired outcomes and action items.

The third goal is to demonstrate to health care providers, patients, and third-party payers the value of nuclear medicine and radionuclide therapy and the impact these procedures have on improving patient health outcomes. We have collaborated with physician associations to offer education through joint sessions and webinars. We have created tools and resources to help healthcare providers with coding and referrals. We’ve joined forces with patient advocacy associations to present information and research to patients in relevant and understandable terms. We also joined with professional and industry stakeholders to advance a sustainable field of nuclear medicine. This group, the Industry Forum, is now completing a plan of work for the next three years that will involve education and training, reimbursement reform and evidence development.

During this critical period of change in the practice of medicine in the United States, SNMMI is both leading and collaborating to ensure the strength of our field and provide the best possible healthcare for patients.

Peter Herscovitch, MD
SNMMI President

Peter Herscovitch, MD
SNMMI President
Dear Members,

It’s been an active and exciting year for SNMMI. As the society has sharpened its focus on quality in medicine, we have also sharpened our focus on providing excellent support of the field and superior education, meetings and resources for members.

The society’s new Evidence and Quality Department geared up quickly and is now working with the Guidance Oversight Committee to develop evidence-based appropriate use criteria that will support the best and most effective use of nuclear medicine in caring for patients. The SNMMI Technologist Section has launched a multiyear Quality Initiative that will enhance quality through education and training as well as raise awareness of that quality outside the profession. On a parallel track, SNMMI’s thriving Clinical Trials Network is advancing high-quality imaging through standardization and improved use of new radiopharmaceuticals.

Education is an essential piece of any quality initiative and is a central facet of membership in SNMMI. The Learning Center now includes all SNMMI enduring educational materials, live meeting post-assessments, and access to continuing education transcripts. We are working with the American Board of Nuclear Medicine to simplify the process for earning Maintenance of Certification credit for practice performance improvement. We are also collaborating with the International Atomic Energy Agency to make critical educational content available to medical professionals throughout the world.

In September 2014, SNMMI began a new collaboration with the Medical Imaging & Technology Alliance and the Council on Radionuclides and Radiopharmaceuticals with the aim of advancing a sustainable field of nuclear medicine. The group is now planning joint activities that are key to moving the field successfully into the new healthcare environment.

The society has taken major strides this year in advocacy and regulatory affairs. Society and Technologist Section leadership collaborated with peer organizations to clarify language allowing technologists to perform CT scans. A stakeholder meeting brought nuclear medicine experts together with representatives of regulatory agencies to discuss a new pathway for approving radiopharmaceuticals. SNMMI also collaborated in developing a Coverage with Evidence Development study for PET amyloid imaging that has now been approved by the Centers for Medicare and Medicaid Services for implementation.

A new Membership Task Force is reimagining membership by evaluating the needs of each group of members and identifying the best way to support them. Meanwhile, the society continues to provide tools, resources, training and networking to further professional development.

With consistent focus on quality, SNMMI is working with the global nuclear medicine community toward a common purpose: improving innovation, efficiency and effectiveness to advance the profession.

Virginia Pappas, CAE
SNMMI Chief Executive Officer
The U.S. national health care agenda focuses on improving the quality and safety of patient care in a number of ways, including ensuring clinical practice is supported by evidence, tracking outcomes in a significant and comparable way with quality measures, and reducing healthcare costs through practice improvement. SNMMI has stepped up to the plate.

**GATHERING EVIDENCE; DEVELOPING CRITERIA**

On April 1, 2014, Congress passed the Protecting Access to Medicare Act of 2014. Section 6 of the bill, Promoting Evidence-Based Healthcare, put forward a cost control mechanism directing professionals to consult appropriate use criteria (AUC) via a clinical decision support tool before ordering advanced diagnostic imaging.

In 2014, SNMMI’s new Department of Evidence and Quality, in conjunction with the Guidance Oversight Committee and multidisciplinary working groups, began the process of developing evidence-based AUC for four high-volume nuclear medicine procedures by the end of 2015: bone scintigraphy in malignant disease, ventilation/perfusion imaging in pulmonary embolism, hepatobiliary scintigraphy in abdominal pain and FDG-PET for restaging malignant disease.

SNMMI has begun planning three new registries that will provide insight into the utilization and efficacy of nuclear medicine and molecular imaging. In addition, SNMMI is considering development of a web/mobile application for hosting all SNMMI clinical guidance documents. The SNMMI Technologist Section will launch a multiyear Quality Initiative that will enhance quality through education and training as well as raise awareness of that quality outside the profession through advocacy, leadership, public relations, outreach and collaboration. These efforts will be useful not only in arming today’s practicing technologists with the tools required to provide a high-quality patient experience but also in demonstrating the high quality and safety of nuclear medicine procedures.

**DEVELOPING COLLABORATIVE STANDARDS**

Procedure standards help to identify the elements of a procedure that are most important in obtaining a high-quality examination while simultaneously controlling costs. Within the past year, SNMMI has collaborated with the European Society of Nuclear Medicine (EANM) to update two standards: Meckel Diverticulum Scintigraphy and Lymphoscintigraphy and Sentinel Node Localization in Gynecological Cancers. In 2014, SNMMI’s Dose Optimization Task Force worked with EANM to create a new harmonized pediatric radiopharmaceutical guideline. All SNMMI standards are available at www.snmmi.org/guidance.

In 2013 SNMMI initiated a collaborative group of nuclear medicine organizations called the Nuclear Medicine Global Initiative. The group has now completed its first collaborative project, focused on harmonizing pediatric administered activity guidelines, and the resulting white paper was published in the April 2015 issue of JNM.

**OPTIMIZING DOSE**

In 2014 SNMMI’s Dose Optimization Task Force launched two new web-based tools to calculate radiation dose and pediatric injected activity. These tools have been very well utilized, receiving more than 13,000 page views. Mobile app versions of the tools are close to launch.

Subsequent to the publication of the harmonized pediatric radiopharmaceutical guideline, the task force worked with Image Gently to update its Go With the Guidelines poster. Both the tools and the poster are available at www.snmmi.org/dose.

**COOPERATING WITH INDUSTRY**

In September 2014, SNMMI, the Medical Imaging & Technology Alliance (MITA), and the Council on Radionuclides and Radiopharmaceuticals, Inc. (CORAR), sponsored the first meeting of the SNMMI Industry Forum in Washington, DC. The forum brought together professional and industry stakeholders to discuss advancing a sustainable field of nuclear medicine. The forum participants were unanimous in the belief that it is critical for our organizations to regularly communicate to improve collaboration.

Advancing a sustainable field of nuclear medicine requires renewed focus on education and outreach to patients, physicians and the general public, appropriate reimbursement for these procedures, and comparative effectiveness evidence studies that demonstrate the benefits to patients of nuclear medicine. Progress in these areas will

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**HIGHLIGHTS**

- **9,398** page views, Nuclear Medicine Radiation Dose Tool.
- **3,676** page views, Pediatric Injected Activity Tool.
- **135** phantom reports processed in 2014.
- **19** standards collaborated on with **5** peer associations.
- **4** topics chosen for 2015 SNMMI appropriate use criteria.
help increase the availability and appropriate use of nuclear medicine procedures today and will support the development of new radiopharmaceuticals and technologies in the future.

DEFINING QUALIFICATIONS

The Joint Commission (TJC) proposed changes to the technologist qualifications necessary to perform diagnostic CT exams that are not part of a fusion or hybrid imaging study (e.g., PET/CT or SPECT/CT). SNMMI-TS worked with the American Registry of Radiologic Technologists (ARRT), the American Society of Radiologic Technologists, and the Nuclear Medicine Technology Certification Board (NMTCB) to formulate and propose new language that establishes clear qualifications needed for nuclear medicine technologists to perform standalone diagnostic CT exams.

SNMMI and the American College of Radiology (ACR) joined to develop a credentialing statement for physicians responsible for the oversight and interpretation of PET/MR brain examinations. It is intended to guide credentialing bodies that privilege physicians to oversee, supervise and interpret brain PET/MR for patient care. The statement appeared in the April 2015 issue of The Journal of Nuclear Medicine. This joint statement is the first in a planned series of credentialing statements covering all organ systems and clinical applications.

WHAT’S COMING…

- SNMMI will develop four new nuclear medicine appropriate use criteria in 2015.
- Three new registries are in planning stages: administered dose, written directives in reuse and dosage of radiopharmaceuticals for therapy, and physician-ordering behavior.
- The Nuclear Medicine Global Initiative project for the coming year will relate to access and availability of radiopharmaceuticals.
- Mobile app versions of SNMMI’s dose tool and pediatric tool will launch in 2015.
- SNMMI and ACR will begin working on a PET/MR: Head and Neck credentialing statement.
- The Technologist Section is launching a multi-year Quality Initiative focused on enhancing quality through education and training.
One of the most important investments a profession can make is in education. SNMMI develops curricula and provides essential education and training opportunities to help members maintain the highest possible quality in their work—which, in turn, ensures the best possible healthcare for patients.

**IMPROVING EASE OF USE AND ACCESSIBILITY**

SNMMI launched a new learning management system platform in 2014 called the SNMMI Learning Center. This platform includes all SNMMI enduring educational materials (journal articles, online modules, study guides, etc.), live meeting post-assessments, and a place for members to check their continuing education (CE) transcripts.

In December 2014, SNMMI launched a new feature allowing VOICE participants to self-report RCEEM credits through the new Learning Center, which instantly adds the credits to their transcripts and also reports them to the ARRT and the NMTCB.

In March 2015, the Learning Center was updated with a new look that mimics the familiar design of the SNMMI site, allowing for easy and intuitive navigation.

**PROVIDING AMPLE OPPORTUNITIES FOR CE AND SAM CREDIT**

SNMMI now has many online education programs that offer flexible and low-cost alternatives for meeting educational requirements. These include 81 journal CE articles, 66 online lectures, case studies, review courses, and Maintenance of Certification Part II self-assessment modules (SAMs). SNMMI now has 32 articles from The Journal of Nuclear Medicine available for SAM credit—and as of October 2014, these SAMs are free to SNMMI members.

One of SNMMI’s strategic goals is to encourage physician participation in practice performance improvement. To facilitate studying and increase knowledge, SNMMI is working with the American Board of Nuclear Medicine to develop a list of key articles that will identify core knowledge for all nuclear medicine physicians, with the long-term goal of having all of the articles provide Part II credit. The first set of key articles identified was listed with links on the SNMMI website this spring.

In collaboration with the Section of Nuclear Medicine at the Division of Human Health of the International Atomic Energy Agency (IAEA), SNMMI facilitated the delivery of critical educational content to medical professionals throughout the world through a series of free webinars in English, Spanish and French offering PET/CT and SPECT/CT case reviews focusing on specific anatomic regions.

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A new member benefit was introduced in 2014 to help technologist members stay on top of the latest trends and advances in the profession. SNMMI’s Clinical Trials Network offered a series of five webinars focusing on clinical trial and research-related topics. In addition, new online review workshops in nuclear cardiology technology and PET debuted in 2014, each offering technologists up to 14 hours of VOICE credit.

**OFFERING LIVE MEETINGS**

The SNMMI 2014 Annual Meeting in St. Louis, Mo., provided high-quality educational content on the topics that matter most for physicians, technologists, pharmacists, physicists, scientists, and laboratory professionals. The meeting offered 79 continuing education sessions, 36 technologist continuing education sessions, 8 categorical sessions and a CT/MRI Case Review. Nineteen of the sessions offered SAM credit. Attendees were able to peruse 165 exhibits showcasing new imaging instrumentation, data gathering technologies, analytic software, biomarkers and radiopharmaceuticals, among others.

The 2015 Mid-Winter Meeting provided an in-depth review of advances in hybrid imaging, SPECT and amyloid PET, the role of PET/MRI in molecular imaging, targeted radionuclide cancer therapy, translational cardiovascular imaging, quantitative PET imaging in clinical research and emerging technologies. In addition, the two-day CT and MRI case reviews offered CME and case credit for meeting the CT/MRI training and credentialing recommendations.

SNMMI completed its fourth year of successful chapter roadshows, this year on the theme “Broadening the Professional Horizons of Nuclear Medicine Technologists.” The six half-day programs covered careers related to clinical trials and cardiology research, how a graduate degree can further your career, and how to write a CV and present yourself in interviews.

**HIGHLIGHTS**

- **5,365** total attendees at the 2014 Annual Meeting in St. Louis, Mo.
- **4,281** have downloaded and utilized the new SNMMI meeting app.
- **540+** attended the 2015 Mid-Winter Meeting.
- **392** people from **76** countries participated in SNMMI-hosted IAEA webinars.
- **315** joint sponsor applications were submitted, reviewed, approved and processed in 2014.
- **230** imaging scientists and biologists attended the ACR/SNMMI meeting.
- **165+** exhibitors at the 2015 Annual Meeting.
- **70+** CE sessions, including SAM sessions, were captured for the Virtual Meeting.
- **32** journal SAMs in the Learning Center … available free to members.
- **4** new radiotracer encyclopedias finalized by the PET Center of Excellence.
In February 2015, SNMMI joined the American Association for Cancer Research in hosting a second State-of-the-Art Molecular Imaging in Cancer Biology and Therapy meeting, bringing together imaging scientists with biologists in basic, translational and clinical research to explore how new findings in molecular imaging can improve cancer diagnostics, treatment and patient outcomes.

SNMMI planned all technologist sessions for the World Federation of Nuclear Medicine and Biology conference in Cancun, Mexico, in August 2014 and accredited the whole meeting for CME and VOICE credit. SNMMI also developed the nuclear medicine and molecular imaging sessions for the American College of Radiology conference in May 2015.

The 3rd Sino-American Conference on Nuclear Medicine took place in May 2015 in Shanghai. Ten young professionals and seven SNMMI leaders represented SNMMI at the meeting.

WHAT’S COMING...
- The SNMMI/MIRD Radiopharmaceutical Dosimetry Symposium, offered in conjunction with the 2015 Annual Meeting, will update attendees on radiopharmaceutical therapy, with special focus on the role played by dosimetry.
- At the 2015 Annual Meeting, for the first time, SNMMI will have SAMs available with physicist credit (CAMPEP) and 2 sessions with Academy of Radiology Leadership and Management credit.
- SNMMI will offer categoricals at the 2015 Annual Meeting that were developed jointly with the International Society of Magnetic Resonance in Medicine and with WARMTH.
- SNMMI-TS and ASNC will co-host a full-day nuclear cardiology course at the 2015 SNMMI Annual Meeting.
- The PET Center of Excellence is partnering with the International Society for Magnetic Resonance in Medicine (ISMRM) on an educational session at the 2015 Annual Meeting.
- The 2016 Annual Meeting will take place June 11-15 in San Diego, California.
SNMMI’s research and science forge a path for major discoveries and developments that ultimately improve patient care. They also help the profession continually improve quality through communication, standardization and dissemination.

ADVANCING HIGH-QUALITY IMAGING THROUGH THE CTN AND THERAPIES

In its 6-year history, the SNMMI Clinical Trials Network (CTN) has made significant progress in ensuring high-quality PET imaging in multi-center clinical trials. This increased standardization is leading to better data, which will result in expanded utilization and ultimately regulatory approval of new radiopharmaceuticals. The CTN provides tools and resources to promote faster, more cost-effective drug development, including a registry of qualified imaging sites and biomarker manufacturers, a robust scanner validation program, access to standardized imaging protocols, and clinical research education and training for site personnel. Currently the CTN is working on 7 different investigational radiopharmaceutical agents in trials or other drug development activities.

In March 2015, the CTN’s Gallium Users Group and Johns Hopkins University co-sponsored the 3rd Theranostics World Congress on Ga-68 and Peptide Receptor Radiotherapy in Baltimore, Md. This successful meeting covered translational research and current state-of-the-art molecular imaging using Ga-68 PET radiopharmaceuticals and radionuclide therapy for more than 200 international attendees. The meeting also included posters, exhibits and a patient program.

CTN authored a paper, published in January in The Journal of Nuclear Medicine, analyzing more than 400 oncology phantom scans collected in the Scanner Validation Program from more than 230 scanners around the world. CTN believes this to be the largest study of its kind. Additional activities of the CTN include 17 courses, 6 annual live webinars on current topics in research imaging, Annual Meeting sessions and a categorical.

PROMOTING AND DISSEMINATING RESEARCH

SNMMI’s 61st Annual Meeting in St. Louis, Mo., fostered broad dissemination of cutting-edge research, technologies and techniques. Of 2,267 abstracts submitted for the meeting, 1,352 were from international authors. More than 1,800 scientific abstracts were presented in sessions, supplemented by 1,158 scientific posters in the poster hall.

A unique pre-meeting symposium, “Molecular Imaging: From Target to Translation,” was held at Washington University’s Mallinckrodt Institute of Radiology. Topics included designing a cyclotron facility to support imaging research, strategies in developing nuclear imaging agents, and preclinical validation with applications in cancer, cardiovascular, neurodegenerative and pulmonary diseases.

In October 2014, SNMMI collaborated with the National Cancer Institute (NCI) to host the second Workshop on Targeted Radionuclide Therapy (TRT) in Bethesda, Md. The 2-day workshop brought together individuals from multiple scientific disciplines as well as representatives from the NCI, industry and the academic community to discuss current and potential applications of TRT for the treatment of hematologic and solid tumors, looking at lessons learned from prior experiences, promising approaches moving forward and the challenges inherent to bringing TRT to the clinic. At the close of the meeting, future directions were highlighted including research, methods for optimal integration and practical clinical implementation to best help patients.

In April 2015, SNMMI partnered with the American Society of Nuclear Cardiology to host a Cardiovascular Molecular Imaging Think Tank on the theme “Devising Strategies to Bridge the Translational Divide.” The multidisciplinary group of attendees discussed barriers that hinder the translation of preclinical cardiovascular molecular imaging to the clinic and devised strategies to overcome these barriers.

PUBLISHING PEER-REVIEWED RESEARCH IN SNMMI’S JOURNALS

The Journal of Nuclear Medicine continues to attract and publish the top research in nuclear medicine and molecular imaging for readers around the globe, holding the highest impact factor (5.563) of any nuclear medicine journal worldwide. JNM accepts about 29% of articles submitted, 70% of which come from outside the United States. Article turnaround from submission to publication improved by more than 30 percent in 2014, allowing research to be shared earlier and faster. SNMMI’s journals continue to attract and publish the top research in nuclear medicine and molecular imaging for readers around the globe, holding the highest impact factor (5.563) of any nuclear medicine journal worldwide. JNM accepts about 29% of articles submitted, 70% of which come from outside the United States. Article turnaround from submission to publication improved by more than 30 percent in 2014, allowing research to be shared earlier and faster.

HIGHLIGHTS

- 6,900,000 page views of SNMMI journal websites in 2014.
- 43,000+ downloads of the June 2014 JNM supplement on PET/MR.
- 2,000+ reviewers worldwide for JNM.
- 400+ sets of data collected by the CTN PET/CT Scanner Validation Program from more than 230 unique scanners.
- 241 validated PET/CT scanners at 163 sites for the CTN.
- 220 attendees to the “Molecular Imaging: From Target to Translation” satellite symposium preceding the 2014 Annual Meeting.
- 29% acceptance rate for JNM.
- 17 courses and 6 live webinars offered by the CTN.
maximizing its usefulness to the community.

The June 2014 JNM supplement, “PET/MR Imaging: Potential Clinical and Research Applications,” has been downloaded more than 43,000 times. A supplement comprising abstracts from the AACR/SNMMI joint conference on Molecular Imaging in Cancer Biology and Therapy was published in February 2015; the abstracts from the 3rd Theranostics World Congress on Ga-68 and PRRT were published in May 2015.

JNM continually works to advance the quality and usefulness of research published in its pages. Beginning in April, authors have been encouraged to follow the reporting standards and checklists that apply to their studies. Submission of these completed checklists will facilitate the review process and help improve awareness of the need for evidence-based data.

The Journal of Nuclear Medicine Technology continues to be a key resource for technologists, with current technologist-focused research and teaching case studies as well as important updates on practice, licensure and credentialing. Teaching case studies and CE articles continue to be very popular on the Most Read and Most Cited lists.

WHAT’S COMING…
- A JNM supplement on “Heart Failure, Myocardial Denervation, and Noninvasive Imaging,” guest edited by Vasken Dilsizian, MD, and Jagat P. Narula, MD, will be published in June 2015.
- CTN will offer four webinars between June and December 2015; get more information at www.snmmi.org/webinars.
- In November 2015, the Center for Molecular Imaging Innovation & Translation (CMIIT) will cosponsor a symposium with the World Molecular Imaging Society (WMIS) to bring together academia, industry, and government stakeholders to explore possible new pathways for novel drug approvals.
- A JNM supplement on breast cancer, guest edited by David A. Mankoff, MD, PhD, and Johannes Czernin, MD, will be published in early 2016.
One of the continual challenges of the field is increasing awareness of nuclear medicine and molecular imaging—how they work, how they are different, and their safety, cost effectiveness, and tremendous value to the patient. To meet this challenge, SNMMI engages physician and patient groups, press and public through education and information of all kinds.

COLLABORATING WITH PHYSICIAN GROUPS

SNMMI and the North American Neuroendocrine Tumor Society (NANETS) held their first joint symposium, Improvements in NET Imaging, at the NANETS Annual Meeting in October 2014 in Nashville. This well-attended symposium provided an in-depth review of the clinical utility of nuclear medicine technologies for NETs and sparked significant discussion about improving the standard of care and revising the exclusion/inclusion criteria for future clinical trials.

SNMMI offered a Targeted Radionuclide Therapy Webinar Series for referring physicians, covering six different radioisotope therapies. This online resource is available for free CME to both referring physicians and members on www.snmmi.org/trt.

SNMMI’s PET PROS website offers a wide range of resources for referring physicians, from a PowerPoint library and educational brochures to clinical guidelines and response criteria. In 2014, the PET PROS tracer encyclopedia expanded with four new PET tracer guides offering detailed information about PET tracers and their properties in easy-to-read charts.

COLLABORATING WITH PATIENT ADVOCATES

The DiscoverMI patient website and the SNMMI website have merged into one to provide more focused and organized content and structure. Members of SNMMI’s Patient Advocacy Advisory Board (PAAB) and outreach working groups have been tasked with reviewing the existing content on the DiscoverMI website to ensure the information is current and easily understood by a lay audience. Information about basic nuclear medicine procedures will also be added to encompass all aspects of the field that patients need to understand. This new website is expected to launch to the public in June 2015.

The PAAB continues to be very active in helping guide SNMMI’s patient outreach. SNMMI appreciates the invaluable contributions of this group, which includes representatives from NorCal CariCNet, the American Heart Association, FORCE (Facing Our Risk), the Alzheimer’s Association, the Colon Cancer Alliance, the Prostate Cancer Research Institute, the Lung Cancer Alliance, the Lymphoma Research Foundation, ThyCa, and the American Cancer Society Cancer Action Network.

PAAB held its 2014 Patient Education Day in June in St. Louis with record attendance of 120 patients and caregivers from the local area. The conference had sessions on nuclear medicine related to colorectal cancer, thyroid disease, neuroendocrine tumors and prostate cancer. Each of these sessions was developed in collaboration with the relevant patient advocacy group. Recordings are available at www.snmmi.org/2014PED.

To educate the community about new radioisotope therapies, SNMMI has collaborated with patient advocacy groups to create patient-focused conferences. In July 2014, SNMMI joined with the Prostate Cancer Research Institute and UsToo to offer Prostate Cancer: What’s New in Targeted Therapy and Imaging® in Chicago, drawing 86 patient attendees. Recordings are available at www.snmmi.org/prostate.

In March 2015, SNMMI held the first patient-focused session at the Third Theranostics World Congress on Ga-68 and PRRT. The speaker, SNMMI Patient Advocacy Board Chair Josh Mailman, presented an overview of Ga-68 and PRRT from a patient’s perspective. The session also covered the challenges of making both Ga-68 and PRRT more widely available in the United States.

SNMMI has provided materials and exhibited at a number of patient advocacy meetings: Colon Cancer Alliance Undy 5000 Race, North American Educational Forum on Lymphoma, ZERO Summit to End Prostate Cancer, Prostate Cancer Research Institute Annual Meeting, Alzheimer’s Association Annual Meeting, and the American Cancer Society Cancer Action Network Summit.

REACHING THE PUBLIC THROUGH THE MEDIA

SNMMI continues to work with media to share information about the society’s initiatives, research and education with the medical imaging community as well as associated physician communities. In 2014, SNMMI secured more than 2,300 media placements, generating

HIGHLIGHTS

- 35 billion people read about SNMMI research and activities in the news in 2014.
- 85,000,000 read about research presented at the 2014 Annual Meeting in nearly 200 stories.
- 65,000+ people were reached with SNMMI’s therapy infographic.
- 10,659 page likes for the DiscoverMI infographic.
- 8,901 people are a part of SNMMI’s community on LinkedIn.
- 8,385 people “like” SNMMI on Facebook.
- 1,504 people follow SNMMI on Twitter.
- 120 patients attended SNMMI’s 2014 Patient Education Day.
- 10 organizations represented on SNMMI’s Patient Advocacy Advisory Board.
- 7 joint sessions at referring physician annual meetings.
more than 35 billion media impressions. Original stories were published by top consumer media outlets including The Washington Post, Yahoo! News, Yahoo! Finance, BusinessWeek, Thomson Reuters, Fox News, Medscape, Science Daily, ABC News, and others, including the molecular imaging and radiology trade publications. These outlets published stories relating to annual meeting research, JNM research and isotope supply issue, among others.

Social media networks are a key way to get all kinds of messages out to the imaging community, as well as feedback on initiatives. SNMWWI's social presence has grown 100% in the past year, with large increases in the number of likes, followers and members on each of its social media sites and also a significant increase in the amount of interaction among members. On SNMWWI's YouTube site [SNMChannel1], SNMWWI's video about The Value of Nuclear Medicine and Molecular Imaging has been viewed almost 10,000 times. In addition, SNMWWI's new infographic, Targeted Cancer Treatment with Nuclear Medicine Therapy, has reached at least 65,000 people.

WHAT’S COMING...
- The 2015 SNMWWI Patient Education Day is planned for June 7, 2015.
- A Targeted Radionuclide Therapy Patient Webinar will be offered in June 2015: Metastatic Prostate Cancer—Therapeutic Landscape.
- A joint Targeted Radionuclide Therapy session with ASCO (American Society of Clinical Oncology) is planned for June 1 at the ASCO Annual Meeting.
- A Targeted Radionuclide Therapy Patient Webinar will take place in July 2015 on Neuroendocrine Tumors.
- SNMWWI will attend the FORCE (Facing Our Risk of Cancer Empowered) Annual Conference in June in Philadelphia, Pa.
- SNMWWI will begin development of a Therapy Center of Excellence.
- The SNMWWI-TS 2015 Annual Meeting plenary speaker will be Rosemary Gibson, speaking on “A Patient’s Journey for Better Outcomes.”
SNMMI works continually with regulators and policymakers to ensure that nuclear medicine and molecular imaging procedures are valued, appropriately reimbursed, and supported by legislators and regulators.

ENSURING APPROPRIATE REIMBURSEMENT

In 2013, the Centers for Medicare & Medicaid Services (CMS) announced its decision to cover one beta-amyloid PET scan to exclude Alzheimer’s disease, but only for patients participating in specific clinical studies under a “coverage with evidence development” (CED) program, which grants conditional reimbursement upon collection of specific data. SNMMI has worked with the Amyloid Imaging Coverage with Evidence Development Workgroup to develop a CED study for PET amyloid imaging in mild cognitive impairment and atypical dementia. This has evolved into the “Imaging Dementia—Evidence for Amyloid Scanning” (IDEAS) study, which CMS approved on March 25 for implementation.

SNMMI’s APC Remodeling Task Force is charged with identifying and evaluating alternative ambulatory payment classification (APC) groupings that incorporate bundling as a principle, with the intent of achieving appropriate payments in the Hospital Outpatient Prospective Payment System (HOPPS) setting for all nuclear medicine services. On February 4, SNMMI met with CMS, and they recommended that the society submit its data within the next few weeks to ensure that it was considered for the CY2016 HOPPS Proposed Rule. On February 13, SNMMI submitted a comment letter with data to CMS on a proposed new APC structure. SNMMI staff and members have also worked to reach out to key congressional contacts.

STREAMLINING APPROVAL

One of SNMMI’s most important initiatives is engaging the Food and Drug Administration (FDA) in a dialogue about a new pathway for approving nuclear medicine pharmaceuticals. In October 2014, SNMMI held a broad stakeholder meeting that brought together more than 40 experts from the field of nuclear medicine and molecular imaging to discuss the current regulatory climate for translation of new radiopharmaceuticals. Represented at the meeting were leaders from the FDA, CMS, NCI, National Institutes of Health, Nuclear Regulatory Commission (NRC), industry, academia and specialty societies.

Congress’s 21st Century Cures Initiative was created to focus on accelerating the pace of cures and medical breakthroughs in the United States. SNMMI submitted comments suggesting the creation of dedicated and appropriate FDA approval pathways for radioactive drugs, as well as other possible efficiencies in the imaging drug approval process.

ENSURING ADEQUATE SUPPLY

SNMMI has worked to ensure adequate isotope supply through continued participation in the White House working group on the molybdenum-99 (Mo-99) supply, which meets quarterly with the Office of Science and Technology Policy, National Nuclear Security Administration, FDA, CMS and NRC. In 2014, SNMMI presented twice to the Nuclear Science Advisory Committee Isotopes Subcommittee. In addition, SNMMI submitted comments to the Nuclear Energy Agency’s Organisation for Economic Co-operation and Development regarding the security of the current supply of medical radioisotopes and presented to the high-level working group in Paris.

On February 6, the Canadian government announced that the National Research Universal reactor would extend operations until March 31, 2018. They had previously announced the decision to cease the routine production of Mo-99 in 2016.

DEFINING THE NEED FOR RADIOPHARMACEUTICAL COMPOUNDING

In November 2013, the president signed into law the Drug Quality and Security Act, which makes sweeping changes to how drugs may be compounded. Radiopharmaceuticals are exempt from this law and its fees, but radiopharmacists have no explicit right to compound. SNMMI’s Joint Compounding Task Force worked with other medical societies and industry to more specifically define radiopharmaceutical compounding/preparation and sent a final report to the FDA in late November. SNMMI also submitted individual comments in March regarding the distinction between nuclear pharmacy and manufacturing.

HIGHLIGHTS

- 50 nuclear medicine experts and 5 agencies participated in the FDA Stakeholder Meeting in Baltimore.
- 48 states monitored by Technologist Advocacy Group (TAG) representatives.
- 30 comment letters submitted in support of the nuclear medicine/molecular imaging community.
- 69 Capitol Hill Day meetings held.
- 37 Capitol Hill Day participants.
- 14 physicians in the House and 3 in the Senate in 2015.
- 4 Congressional staffers toured both the MedStar Washington Hospital Center Nuclear Medicine Department and Cardinal Pharmacy.
- 1 member of Congress, Rep. Gerry Connolly (VA-11), recognized SNMMI’s philanthropic efforts by entering its name into the Congressional Record.
SNMMI submitted comments on 10 CFR Part 35 and Part 20. SNMMI’s comments on Part 35 pertained to an update to allow an assistant/associate radiation safety officer on a license, a new exception of board-certified individuals from training and experience requirements and Mo-99 breakthrough tests after each elution and required reporting of failed Mo-99 breakthrough tests. SNMMI’s comments on Part 20 address several issues in radiation protection, including methodology and terminology, occupational dose limit for the lens of the eye, dose limit for embryo/fetus of a declared pregnant occupational worker, individual protection, metrication and reporting of occupational exposure. SNMMI is also working with the NRC on harmonization of instructions for patient release criteria related to iodine-131.

HILL DAY AND PATIENT HILL DAY

At April’s annual Capitol Hill Lobbying Day in 2014, 25 SNMMI members met with staffers from 46 Congressional offices. In September, SNMMI held its second Patient Hill Day, collaborating with patient advocates to visit 23 Congressional offices.

WHAT’S COMING...

- CMS will release its 2016 Proposed Rules for the Hospital Outpatient Prospective Payment System and Medicare Physician Fee Schedule.
- The Joint Commission will release its Radiopharmaceutical Compounding Draft Guidance.
- The final 21st Century Cures legislation is expected to be released in 2015.
- NRC will release its final revisions to patient release practices.
- The Supreme Court will rule on the Affordable Care Act.
Supporting Our Members

The most fundamental of SNMMI’s goals is to support its members—with quality initiatives, education, research, outreach, advocacy and professional tools and resources.

REIMAGINING MEMBERSHIP

The healthcare landscape is changing—and so are the demographics and needs of the profession. SNMMI has created a new Membership Task Force that has reached out to different segments of membership and assessed their current professional needs. The next step for the task force will be developing programs and benefits to fill those needs and help members grow within their profession.

SUPPORTING NEW AREAS OF PRACTICE

Another new initiative is the American College of Radiology/SNMMI PET/MR Credentialing Statement Task Force. The Joint Commission requires that there be a credentialing system for delineating and granting privileges for every hospital physician but does not specify those qualifications. In 2013, SNMMI and ACR created a joint task force to develop credentialing statements for physicians responsible for the oversight and interpretation of PET/MR imaging examinations. The first in this series, focusing on brain imaging, was published in the April 2015 issue of JNM. The statement is intended to guide credentialing bodies that privilege physicians to oversee, supervise, and interpret brain PET/MR imaging for patient care in the United States.

SUPPORTING PROFESSIONAL GROWTH

SNMMI and SNMMI-TS provide workshops, tools and networking to support members’ growth in their careers.

SNMMI held the Second Annual Future Leaders Academy in January during the Mid-Winter Meeting. The goal for attendees of this workshop is to develop skills and organizational expertise and ultimately become leaders within both nuclear medicine and society as a whole.

The SNMMI-TS hosted its Eighth Annual Leadership Academy in conjunction with the Mid-Winter Meeting. This year, for the first time, the group was expanded to include three students who, with current professionals, had the opportunity to learn what it takes to be a successful leader from current leaders in the field.

Another thriving professional initiative is the new committee on Women in Nuclear Medicine (WINM). The WINM Committee is committed to promoting women physicians and scientists in nuclear medicine and molecular imaging, fostering their professional interests, addressing their unique problems, promoting their leadership and career development, raising awareness of their scientific contributions and improving the climate for women in nuclear medicine in all stages of their careers. Beginning in 2015, the WINM Committee will sponsor Annual Meeting programs addressing these topics.

Each year during the first full week of October, the SNMMI and SNMMI-TS join forces with the nuclear medicine and molecular imaging community to gain recognition and support for the field during Nuclear Medicine and Molecular Imaging Week. This dedicated time encourages community members to take pride in their profession, recognizing their colleagues for their hard work and promoting nuclear medicine to the entire medical community as well as to the public.

ENCOURAGING RESEARCH AND EDUCATION THROUGH GRANTS AND AWARDS

SNMMI and SNMMI-TS offered grants, awards, scholarships and fellowships totaling $496,250 in 2014. These grants and awards provide opportunities to advance members’ knowledge, contribute to research in the field, create or sustain new programs and engage in meaningful professional development activities. In 2014 the Education and Research Foundation for Nuclear Medicine and Molecular Imaging (ERF) provided $350,250 in support of grants and awards issued by the SNMMI and SNMMI-TS. Nihon Medi-Physics Co., Ltd, contributed $144,000 in 2014 to fund the Wagner-Torizuka Fellowship program.

New opportunities now in progress include the ARRT/SNMMI-TS Professional Development Grant funded by the American Registry for Radiologic Technologists (ARRT). A total of 13 grants of $500 each will serve to support nuclear medicine technologists wishing to pursue additional educational opportunities in an effort to advance their professional careers. Also new are the Hyman-Ghesani Award, the Saul Hertz, MD, Award, the Tracy Lynn Faber Memorial Award and the Masahiro Iio, MD, Award. Details will be provided following the

HIGHLIGHTS

- **$496,250** provided in support of grants and awards.
- **$350,250** provided by the Education and Research Foundation for Nuclear Medicine and Molecular Imaging in support of grants and awards.
- **18,097** subscribers to SNMMI SmartBrief.
- **17,561** members in 2014.
- **2,157** books sold in FY2014 to educate and inform the community.
- **800+** Women in Nuclear Medicine e-community members.
- **500+** SNMMI and SNMMI-TS committee/board/council/chapter volunteers.
- **36%** of SNMMI-TS members are women.
- **12** books in development or production.
- **10%** of SNMMI members are international from 79 countries.
- **6%** of SNMMI members are women.

PROVIDING NEW PUBLICATIONS

SNMMI-TS and SNMMI are actively developing new books and other publications for the nuclear medicine and molecular imaging communities. SNMMI-TS has released the Basic Science of Nuclear Medicine: The Bare Bone Essentials, an introduction to the fundamentals of the physics and technologies of modern-day nuclear medicine. SNMMI has published a new MIRD monograph on Radiobiology and Dosimetry for Radiopharmaceutical Therapy with Alpha-Particle Emitters as well as The Highlights Lectures, 1981–2009, a collection of lectures by Henry N. Wagner, Jr, MD.

WHAT’S COMING…

• SNMMI and SNMMI-TS have 8 more books in development or production, with 4 more under consideration.
• New awards offered in the coming year will include the Hyman-Ghesani Award; the Tracy Lynn Faber Memorial Award; the Saul Hertz, MD, Award; and the Masahiro Iio, MD, Award.
• SNMMI and ERF’s Curie Fund for Women in Leadership will co-host an Afternoon Tea for Women at the 2015 Annual Meeting.
• SNMMI-TS will host a Hot Trot 5K at the 2015 Annual Meeting.
## REVENUE, EXPENSE AND CHANGE IN NET ASSETS

### For the Year Ended September 30, 2014

<table>
<thead>
<tr>
<th></th>
<th>2014 Total</th>
<th>% of Total</th>
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</thead>
<tbody>
<tr>
<td><strong>Revenue:</strong></td>
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<tr>
<td>Meetings</td>
<td>$3,910,278</td>
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<tr>
<td>Membership</td>
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<td>Communications</td>
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<td>Leadership</td>
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<td>Education</td>
<td>518,988</td>
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<tr>
<td>Other</td>
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<tr>
<td>Councils and PET Center of Excellence</td>
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<tr>
<td><strong>Total revenue</strong></td>
<td><strong>10,078,238</strong></td>
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<tr>
<td><strong>Expense:</strong></td>
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<tr>
<td><strong>Program services:</strong></td>
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<tr>
<td>Communications</td>
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<tr>
<td>Meetings</td>
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<td>Leadership</td>
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<td>Education</td>
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<td>SNMMI Clinical Trials Network</td>
<td>439,033</td>
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<td>Grants, awards and related expenses</td>
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<td>Outreach</td>
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<td>Evidence and Quality</td>
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<td>CMIIT, Councils and PET Center of Excellence</td>
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<td><strong>Subtotal for program services</strong></td>
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<td><strong>Support services:</strong></td>
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<td>Finance</td>
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<td>Information Services</td>
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<td>Membership</td>
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<td>Development</td>
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<td><strong>Subtotal for support services</strong></td>
<td><strong>2,174,501</strong></td>
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<td><strong>Total expense</strong></td>
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<td><strong>Change in net assets before investment activity</strong></td>
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<td><strong>Investment activity:</strong></td>
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<td>Net gains</td>
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<td>Interest and dividends</td>
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<td><strong>Total investment activity</strong></td>
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<td><strong>Change in net assets</strong></td>
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<td><strong>Net assets:</strong></td>
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<td>Beginning of year</td>
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<td><strong>End of year</strong></td>
<td><strong>$10,135,100</strong></td>
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Note: The financial information presented above was derived from the audited financial statements of SNMMI as of September 30, 2014. The independent auditor's report accompanying the audited financial statements expressed an unmodified opinion.
SNMMI Executive Staff

Virginia Pappas—Chief Executive Officer
Vincent Pistilli—Chief Financial Officer
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Sue Bunning—Director of Health Policy and Regulatory Affairs
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Rebecca Maxey—Director of Communications
Mary McMahon—Director of Development
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Nikki Wenzel-Lamb—Director of Leadership and Technologist Section Administrator
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Bethesda, MD

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