



Fall 2007

Multi-modality Imaging Featured at Fall Educational Symposium

Multi-modality Imaging: Nuclear Medicine Opens the Door to CT

Oct. 12–14, 2007

The Columbus-Renaissance Hotel

Columbus, Ohio

Registration is now open for the Central Chapter-Society of Nuclear Medicine's Fall Educational Symposium. The program titled, "*Multi-modality Imaging: Nuclear Medicine Opens the Door to CT*," will be held Saturday and Sunday, Oct. 13-14, 2007 at The Columbus—A Renaissance Hotel, in Columbus, Ohio. **The program has been approved for 10.0 hours of CME, MPCEC and VOICE.** Attendees are invited to the Central Chapter's Governance Meetings scheduled from 11 am to 6 pm on Friday, Oct. 12th.

The schedule of topics and speakers is listed below. To download a brochure with complete information on the program, faculty and housing or to register on-line, visit the Central Chapter's website at www.ccsnm.org.

Friday, Oct. 12, 2007

11:00 am–6:00 pm: CCSNM Governance Committee Meetings

Saturday, Oct. 13, 2007

7:30 am–8:00 am: Registration and Continental Breakfast in Exhibits

8:00 am–8:15 am: Welcome and Introductions—Mary A. Morgan and Christopher L. Mitchell

8:15 am–9:00 am: *Contrast Agents*—Malcolm S. Harris, CNMT, Shared PET Imaging

9:00 am–9:45 am: *Ventilation/Perfusion Scintigraphy and CTPA: A Review*—Rodney V. Pozderac, MD, The Ohio State University Medical Center

9:45 am–10:15 am: Break in Exhibits

10:15 am–11:00 am: *Neuro PET*—David W. Kondas, Shared PET Imaging

11:00 am–11:45 am: *Optimizing PET/CT Protocols*—Patrick Wojtylak, RT(R)(N) CNMT
PET, Case Medical Center

11:45 pm–1:15 pm: LUNCH on your own

1:15 pm–2:00 pm: *PET/CT in Lymphoma Staging*—James K. O’Donnell, MD, Case
Western Reserve University

2:00 pm–2:45 pm: *PET/CT QC*—David W. Kondas, Shared PET Imaging

2:45 pm–3:15 pm: Break in Exhibits

3:15 pm–4:00 pm: *Radiopharmaceutical Update*—Janet Robertson, RPh, BCNP, Riverside
Methodist Hospital

4:00 pm–4:45 pm: *Preparation for PET/CT Technologist Training*—Nancy A. McDonald,
BS, CNMT, Northwestern Memorial Hospital

4:45 pm–5:30 pm: *Factors to Consider When Purchasing a PET/CT*—Aileen M. Carey,
MSc, CNMT, Northwestern Memorial Hospital

Sunday, Oct. 14, 2007

7:30 am–8:00 am: Continental Breakfast in Exhibits

8:00 am–8:45 am: *Breast Imaging – A Multi-modality Overview*—Christina K. Cook, BS,
RT (R) (M) (N), Fayette County Memorial Hospital

8:45 am–9:45 am: *Nuclear Medicine in Urology*—Larry A. Binkovitz, MD, Columbus
Children’s Hospital

9:45 am–10:00 am: Break in Exhibits

10:00 am–10:45 am: *PET/CT Audience Response – Observations of the Technologist*—
Kevin M. Perry, BS, CNMT, PET, Indiana University School of Medicine

10:45 am–11:30 am: *PET/CT Radiation Dose and Patient Risk*—Sean Hoyt, MHP,
Comprehensive Physics Services, Inc. (CPSI)

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Catch One of the “CT and the Nuclear Medicine Technologist” Road Shows

The Central Chapter Continuing Education Committee has scheduled a series of four Road Shows in 2007 with the title of *CT and the Nuclear Medicine Technologist*. The Road Shows will be held in Minnesota, Wisconsin, Illinois and Indiana. The 2007 Road Shows

will be held from 8:00 am–12:00 noon in each location and will include four one-hour topics valued at 4.0 hours of VOICE credit for technologists.

The schedule is:

8:00 am–9:00 am: *CT Based Cross Sectional Anatomy*

9:00 am–10:00 am: *CT Instrumentation & Workflow*

10:00 am–11:00 am: *CT Contrast Agents*

11:00 am–12:00 pm: *Creating the Dual Technologist*

The dates and locations for the Road Shows are:

Wisconsin: Oct. 6, UW Wisconsin, Madison; Hosts: Derek Fuerbringer, Michael Decorah

Indiana: Oct. 6, St. Vincent Hospital, Indianapolis; Host: Edward Wroblewski

Minnesota: Oct. 13, Regions Hospital, St. Paul; Host: Anne Marie Fix

Illinois: Oct. 27, South Suburban Hospital, Hazel Crest; Host: James Timpe

Go to www.ccsnm.org to download a registration brochure or to register online.

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Message from the Chapter President

*By Gary L. Dillehay, MD
CCSNM President*



It is with honor and humility that I again serve as the President of the Central Chapter. I am grateful and happy to again participate in this way. The issues today facing us are very different than when I was president the last time in 1993–94. At that time we were enjoying a resurgence of Nuclear Medicine with the rapid growth of cardiac studies and we were trying to learn how to adapt these new SPECT techniques into our practice. We are now in another renaissance with the emergence of PET and PET/CT and the rapid growth and acceptance of these modalities as invaluable to our patients. We now have the added issue of the interpretation of the CT studies which are done along with the PET study and who will be allowed to interpret them.

Our specialty continues to be threatened by a number of outside groups. As the reimbursement for evaluating and caring for patients decreases, we have added competition from other specialties who are seeking additional financial gain realized from doing imaging procedures. It is only through continued monitoring and the constant demand for quality that we can prevent nuclear imaging procedures from being done by poorly qualified, poorly

trained people. We must also continue to make sure that those of us who are properly trained in our specialty continue to get appropriately paid for what we do. I have a particular interest in the appropriate coding and billing of these procedures. I am happy that some of the information provided at our chapter meetings helps our members in this regard.

One continuing problem remains the lack of involvement by our colleagues in our professional organizations. I have always enjoyed being a part of professional societies and going to committee meetings and making sure that the issues facing our specialty are continually monitored and addressed. I realize that many people do not share this interest. I know many people who do not like going to any meeting and could think of nothing more boring than having to spend a half day at one of our governance sessions. Thankfully, we continue to have a dedicated group of physicians and technologists who are willing to become involved and run our chapter. We always have excellent scientific programs and enjoyable meetings because of this. I would again urge all of you to take the time to get involved and consider serving on one of the committees in the chapter, if asked to do so.

Once again we have excellent scientific meetings planned for October in Columbus, Ohio and again for our annual meeting set for April 2008 in Milwaukee, Wisconsin. Our Fall Roadshows are always top-notch and provide a unique opportunity for technologists who do not get a chance to attend a chapter meeting to be updated on a particular topic of interest. I hope to see you all there.

Central Chapter Technologist President's Column

The SNM-TS and Central Chapter-TS Leaders of Today Are Preparing the Way for Tomorrow

By Paul Reaume; BS, CNMT, ARRT (R,N)



As we begin the fall season I and the Central Chapter Technologist Section Board would like to take a moment to reflect on some of the accomplishments and activities that have happened over the last few months for your benefit.

In June The National SNM meeting was in Washington D.C. and was an overwhelming success in quality of presentations, attendance and value that was conveyed to the membership. With over 4,006 professional attendees from all over the world, 503 presentations and 673 Abstracts covering all aspect of research, application and practicality for the nuclear medicine / molecular imaging professional. Let's not forget the 190 exhibits and their 2,348 professional staff putting in all the endless hours of preparation and technical training for their products and services.

Prior to the National SNM Meeting were all the governance meetings which covered individual committee meetings, a National Council of Delegates meeting and the House of Delegates meeting. During these meetings there is an exchange of ideas and information covering all aspects of the Molecular Imaging Community. At these meetings the direction

and focus for the SNM's future is forged into a vision and action plan for all the leaders to know and understand.

The leaders of today are preparing for the transition into tomorrow with all the new technologies, legal and governmental concerns and properly trained molecular imaging professionals. These are the concerns at the forefront of your leadership's minds and agendas. Therefore, every member must take action to take advantage of new learning opportunities, skill development, as well as personal growth activities in order to be ready for tomorrow's demands.

The afternoon of June 5 was a March on Capital Hill. Over 100 of your SNM leaders marched to Capital Hill to meet with the Senators and House of Representatives to convey to them the importance and value of the Consistency, Accuracy, Responsibility and Excellence in Medical Imaging and Radiation Therapy (CARE) bill(s). The Senate bill is S.1042 and the House of Representatives bill is H.R. 583.

I am proud to say that I really believe us as a unified body of the SNM and the molecular imaging communities are able to make an impact; with more input from you as their constituents and give them input on the importance to bring these bills to the Senate and House of Representatives floor for a vote. Please contact your local Senators and House of Representatives members of congress to express your support for the bill and for the benefit of the whole patient community. For your benefit the SNM has set-up a web link to write and contact your Senator or House of Representative members just click on:

[Contact your Representative to support the House CARE Bill, H.R.583](#)

[Contact your Senators to support the Senate CARE Bill, S.1042](#)

In August the SNM Leadership had a meeting in Chicago and invited all 13 Chapters to participate in the first combined meeting of the membership and Chapter Presidents committee. These two committees have been merged into one committee. We had a very frank discussion about what the SNM Headquarters can do for the Chapters and what we can do for the SNM headquarters.

I believe a lot of understanding will come out of the meeting as we build goodwill and communication. We all agreed that we need better communication both ways from the SNM headquarters to the Chapters and up from the Chapters to the SNM headquarters. We also want to find ways that the SNM headquarters can help find ways to fund either activities at the chapter level or help get more of the chapter people to the National meetings. Also for the SNM Headquarters to help the Chapters find ways to help mend ties with the grassroots or local organizations. The afternoon part of the meeting was a focus on mentoring and leadership development.

Yes, it has been a busy few months and the Executive Council at your Central Chapter Technologist Section looks forward to the opportunity to meet with you at the fall meeting

or the Road Shows. We at the Central Chapter are proud of the leadership development training we have and if you are interested please contact me at [Paul Reaume@comcast.net](mailto:Paul_Reaume@comcast.net) or any of the current leadership team. We would be honored to share with you the skills and talents you can learn from our program.

What your leadership is doing today to prepare for your tomorrow will still come down to **you** and how much **you** have prepared. The challenge is... What are you doing to prepare for your tomorrow?

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National Council Delegate's Update

By Lyn M. Mehlberg, BS, CNMT, FSNMTS



As your elected delegate to the SNMTS National Council of Representatives (NCOR), I bring you an update of activities of the SNMTS. As usual, the leadership of the SNM met days prior to the educational sessions of the Annual Meeting. This past June, we met in Washington DC, a beautiful and exciting city to hold a meeting

Leadership Synopsis

Several accomplishments were carried out at this meeting. A newly revised Scope of Practice Document and five-year Strategic Plan was approved. The NCOR discussed important topics such as the importance of lab accreditation and the mounting shift in payors expectations. Also discussed, was the issue of verification of attendance at local, regional, chapter, and national meetings.

The Continuing Education Committee reported that the SNM has been working with the ARRT to develop a better working system for verifying attendance at meetings, and that this new system was to be rolled out at this meeting. Look for details on the new VOICE and Attendance Verification Guidelines in Kathy Thomas's article on page 4 of the July/August 2007 issue of *UPTAKE*.

We should soon see these new recommendations implemented at our local and chapter meetings. The incoming elected members of the leadership were also announced, and combined with appointed leaders in various committee positions, making the 2007/2008 SNMTS Executive Board. For additional meeting highlights, please see Dave Perry's cover article in the July/August 2007 issue of *UPTAKE*.

2007/2008 Executive Board Members

Elected Members – Voting Members

President: David Gilmore

President Elect: Mark Wallenmeyer

Secretary: Peggy Squires

Finance Chair: David Perry

Immediate Past President: Scott Holbrook

Member at Large: Marcia Hess Smith

Member at Large: Nancy Swanston

Member at Large: Kathy Thomas

Director At Large: Art Hall

Director at Large: Frances Keech

Appointed Members - Non-voting members

PDEF Chair: Elpida Crawford

Advocacy Chair: Cindi Lockett-Gilbert

Publications Chair: April Mann

Speaker of NCOR: Dave Perry

Program Chair: Nancy Swanston

Education Chair: Kathy Thomas

Capital Hill Day Highlights

This year, to capitalize on the fact we were meeting in the nation's capital, on Tuesday afternoon the SNM held its first -ever Capital Hill Day, bringing together 150 people to lobby our elected officials on issues that impact our profession of Nuclear Medicine. Before meeting with lawmakers from 33 states, during an educational session, the SNM Health Policy and Regulatory Staff and SNM leadership provided the tools needed to support the SNM's legislative agenda. This session focused on how to successfully engage our lawmakers and their staff.

The SNM agenda for this day had 3 very specific goals:

To restore \$37 million dollars for research in the Department of Energy (DOE) Office of Science's Biological and Environmental Research program

To delay implementation of drastic imaging reimbursement cuts as part of the Deficit Reduction Act of 2005

To gain cosponsors for the Consistency, Accuracy, Responsibility, and Excellence in Medical Imaging and Radiation Therapy (CARE) Act, which would provide for minimum education and credentialing standards for those who provide the technical work within medical imaging.

If you would like more information on this event, Marybeth Farrell wrote a wonderful summary in the July/August 2007 issue of *UPTAKE*, in her piece entitled, "SNMTS Speaks Out on Capital Hill; Legislators Listen!"

As always, the meetings were long, but fruitful and rewarding. This annual meeting was bitter-sweet for me, as I rolled off the SNMTS Executive Board, which I had served for the past eight years. I have truly enjoyed serving the SNMTS in key leadership roles and know that my leadership experiences have undoubtedly shaped me as a person. I look forward to continue serving as National Council Delegate for the Central Chapter and chair of the upcoming Spring Central Chapter Meeting in Milwaukee.

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Central Chapter-SNM Annual Spring Meeting Slated for April 4-6, 2008 in Milwaukee

The Central Chapter-Society of Nuclear Medicine's 2008 Annual Spring Meeting, "*Protecting Yourself from Liability in Medical Imaging: Providing superior patient care, while reducing your personal risk,*" will be held April 4-6, 2008 at the Intercontinental Hotel Milwaukee in Milwaukee, WI. The governance meetings will be held on April 3rd. Lyn Mehlberg, BS, CNMT, FSNMTS and Holly Rehberg, BS, CNMT from Aurora St. Luke's Medical Center in Milwaukee are co-chairing the program.

This meeting is designed to provide participants a forum to understand the forces that are impacting the delivery of patient care; specifically how these forces impact medical imaging. Speakers with expertise in a variety of medical-legal, regulatory, and compliance topics will share what every member of the imaging team should know and understand about these hot topics. The program will describe the current culture and share how these issues will impact nuclear medicine practitioners. This interactive program is sure to provide physicians, technologists, pharmacists, scientists, nurses, managers, and administrators alike with insight into the standards, statues, and regulations that impact medical imaging.

Visit the Central Chapter web site at www.ccsnm.org for details and registration information.

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Abstracts Now Accepted for Chapter Awards

The online abstract submission site is now open on the Chapter's website, www.ccsnm.org. The submitted abstracts will be judged by the Awards Committee and the best in each

category will be accepted for presentation at the 2008 Annual Spring Meeting, April 4-6, 2008 in Milwaukee.

Abstracts can be considered for 4 awards.

Best Technologist Paper-CCSNM-TS (oral presentation only) \$250. Senior author must be a technologist SNM member. A \$750 educational grant may be awarded to the top-scoring author if this abstract is also accepted for presentation at the next SNM annual meeting.

W. H. Beierwaltes Award (oral presentation only) \$250. Senior author must be a resident or basic scientist trainee.

Best Technologist Paper-CCSNM (oral presentation only) \$250. Senior author must be a technologist SNM member.

Best Student Papers -- CCSNM-TS (oral presentation only) \$200, \$150, \$100. Author must be a student SNM member. \$200 is awarded for the 1st place presentation, \$150 for 2nd place and \$100 for 3rd place.

Because of time constraints, abstracts that do not comply with stated policies and instructions will be rejected. Following are guidelines for submitting abstracts.

Who May Submit Abstracts: The Program Committee invites contributions in nuclear medicine from both members and nonmembers of the SNM. However, only members may receive awards.

Abstract Presentation Commitment: Submission of an abstract constitutes a commitment by the author(s) to present it if accepted. Failure to present, if not justified, will jeopardize future acceptance of abstracts. If justified, presenting/corresponding authors unable to attend the Annual Meeting are required to notify the CCSNM in written form no later than March 10, 2008. Expenses associated with the submission and presentation of an abstract, are the responsibility of the presenting author.

Author Name Consistency: If an author's name appears on more than one abstract, the spelling of the author's last name as well as the first and middle initials listed must be identical on each abstract to facilitate accurate indexing. Example: If John F. Smith submits 3 abstracts, then all abstracts submitted must enter the name as "Smith, John F."

Corrections/Changes to Abstracts: Submitting authors are responsible for proofreading abstracts carefully to identify and correct errors before submission. Changes to abstract titles, text, or supporting data as well as additions or deletions of author names will not be permitted.

Disqualification for Duplicate Abstracts: Abstracts containing identical or nearly identical data submitted from the same institution and/or individuals will be disqualified. It is

inappropriate to submit essentially similar abstracts to different categories. Those individuals who duplicate submissions risk having all accepted abstracts rejected. Authors should not split data to create several abstracts from one. If splitting is judged to have occurred, scores of related abstracts may be reduced.

Supporting Data: Supporting data is not required, but may be submitted (one page only) if the reviewers' understanding of the paper will be enhanced. Send *optional* supporting data, as a word document, to info@ccsnm.org. Be sure to include abstract title and author names in the message.

Errors: Abstracts with errors, misspellings, poor grammar, or incorrect abbreviations may be rejected.

Projection Requirements: Computer projection will be available for presenting scientific papers.

Abstract Withdrawals: Requests for withdrawal of an abstract **MUST** be received by email no later than March 10, 2008. Contact info@ccsnm.org.

Acceptance Criteria: By submitting an abstract for presentation at the CCSNM Annual Meeting, the author certifies the following:

Abstracts are submitted in final format and not represent a work-in-progress. No changes to content will be made after receipt.

The abstract has not been presented at any other national or international meeting.

Abstracts may be submitted to future SNM national meetings.

However, abstracts **will not** be considered if: 1) The paper was presented at any previous SNM meetings. 2) The abstract has been presented at any non SNM national or international meetings.

The abstract(s) represents an original idea or concept or an improvement or revision of an existing idea. The Student Technologist category is an exception to this rule because an original idea or concept is not required for student abstract submission.

The material contained in the abstract has not been accepted as a full paper for publication prior to its submission to this CCSNM Annual Meeting. Material that has been accepted as a full paper prior to its submission to the Annual Meeting will not be considered.

All listed authors have reviewed the abstract and agree to its submission.

Abstracts will be graded by qualified reviewers to determine acceptability and rank order.

General Information and Guidelines

Submitting authors will be notified, via email, of abstract acceptance/non-acceptance. It is the responsibility of the submitting author to notify all co-authors of abstract acceptance/non-acceptance, especially in those cases when Submitting Author differs from Presenting Author.

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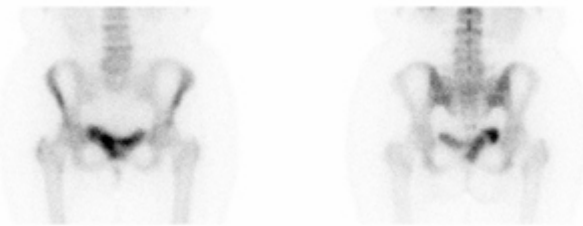
Tech Tip

Questions:

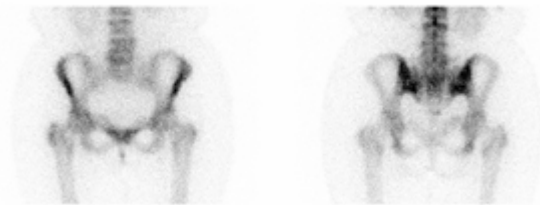
Does this 48-year old woman have a right pubic fracture?

What did the observant technologist ask the patient?

Before



After



Answers:

No.

The technologist asked whether the patient was menstruating and wearing a tampon. Since the answer was “yes”, the technologist repeated the image after the patient exchanged tampons.

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The SNM from a Student's Perspective

By Christina Cook, B.S., R.T. (R) (M) (N)



As a student, I think it can be hard to get involved in professional organizations for many reasons. Students are still learning and sometimes not confident about their chosen profession, thus, they can be easily intimidated by individuals who have more experience and knowledge. Many students work and go to school so they feel they do not have enough time to be active in organizations. Traveling to meetings can be quite costly, and most students just do not have the money to participate. I fully understand all of these concerns, but I still feel that having students be a part of the Society of Nuclear Medicine on the local, regional, and national level is very important.

My teacher and another highly active member of the SNM urged me to join the organization and to get more involved within the profession. With their encouragement and mentorship, I joined the Society of Nuclear Medicine and was elected a specialty representative to the National Council of Representatives in 2006. I have attended local sub-chapter meetings, the Mid-Winter Educational Symposium, and just recently attended the SNM's Annual Meeting in Washington DC.

While in Washington DC, I met hundreds of students, technologists, educators, administrators, and company representatives by participating in the meetings, lectures, and other events. I met members both new to the organization and those who have belong to the SNM for many years. I attended numerous committee and task force meetings such as the Advanced Practice TF, Continuing Education Committee, Educators Committee, and the Entry Level TF. I also participated in the National Council of Representatives Meeting, which makes important recommendations to be heard by the executive board.

During these meetings, I felt very welcome to express my opinions, and I was often asked what a student's perspective would be. Everyone seemed very eager to hear new ideas and opinions, and I was encouraged to join several committees to get more active throughout the year.

Once the exhibit hall opened, I was in amazement at all the vendors for new equipment, pharmaceuticals, and other products, and how enthusiastic everyone was to show off their latest products. The ongoing research and development of new and changing ideas displayed in the poster hall was remarkable. I enjoyed listening to speakers at various programs and I feel it is incredibly motivating to hear others who are passionate about their profession.

I think my favorite part to the whole event was the First Timers Brunch. This is an event for individuals who have never been to the SNM's annual meeting. During brunch, the first timers listened to members of leadership for the technologist's section speak about their roles in the SNM and addressed any questions the group had. It was comforting to see other

students, young professionals, and new members who were just as new and nervous about being there as I was.

I know that trying anything new is always difficult, but I strongly encourage all students to actively participate in the SNM. I also hope that experienced members will reach out, encourage, and mentor students who want to get involved with the society. I feel that it has been a great experience for me, and I know that given the opportunity to actively participate in the Society of Nuclear Medicine, other students will feel the same.

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Lauding Our Award Winners



Antonella Guarlioli from Northwestern Memorial Hospital in Chicago receives the Outstanding Technologist Award from the CCSNMTS. Accepting the award from TS President Scott Holbrook is Central Chapter Technologist Section Secretary, Aileen Carey, also from Northwestern.



Northwestern Memorial Hospital Technologists place 1st and 3rd in SNM's Best Student Paper Competition. Pictured from left, Kristen Leach

(3rd place) Advisor Nancy McDonald and Robyn Ostrowski (1st place). Ms. Leach's paper was titled "Rapid Miniaturized Chromatography Procedure for I-123 MIBG." Ms. Ostrowski's paper was on Radionuclidic Purity Assessment of Yttrium-90 (Y-90) Microspheres."

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CCSNM Mission Statement

Central Chapter of the Society of Nuclear Medicine is an organization dedicated to the promotion of continued education in the art and science of nuclear medicine. Through regular meetings and scientific sessions, members from Minnesota, Wisconsin, Illinois, Michigan, Indiana and a portion of Ohio are provided the opportunity to not only review existing technology and methodologies, but also become familiar with newer techniques, equipment and radiopharmaceuticals and the evolving economic and regulatory issues. In this manner, the members are kept apprised of current changes in technology, its application and appropriate use, as well as the 'business aspects' of Nuclear Medicine.

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