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Refresher and state-of-the-art continuing education courses in chemistry, physics, quality assurance, cardiovascular nuclear medicine, PET, SPECT and NMR will supply up-to-the-minute approaches and procedures for all clinical settings.

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This year's presentation of over 900 scientific papers and posters includes a distillation of the latest advancements and finest work achieved by outstanding scientists and physicians in the field of nuclear medicine. These papers, presented by the original authors, with over 30 subjects to choose from, will provide a unique opportunity for enhancing your knowledge or exploring new avenues in correlative areas of nuclear medicine. Ample time is allotted at these presentations for questions and discussions.

An extensive display of scientific posters and exhibits will augment the presentation.

**TECHNOLOGIST PROGRAM**

The ever-increasing importance of the role of the nuclear medicine technologist will be explored in our Technologist Program, and over 70 hours of clinical updates will provide chief and staff technologists with the latest in basic, intermediate, and advanced studies. This program will broaden expertise and enhance the technologist's contribution to nuclear medicine.

**EXPOSITION**

All the major manufacturers of nuclear medicine products and services — more than 100 in all — will be on hand to explain and demonstrate the most technologically advanced equipment. Several companies will present User Meetings to give an in-depth understanding of their products.

**REGISTRATION**

<table>
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If you need further information, please contact:

**The Society of Nuclear Medicine**
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Fax: (212) 545-0221

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Mansfield, Ohio 44903

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American College of Nuclear Physicians complements your SNM membership by addressing a wide range of social and economic issues vital to the future of your practice and specialty...

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- Monthly Newsletters
- ACNP’s Resource Center and Library

Stay Informed
Keep on top of the latest legislation and regulations affecting Nuclear Medicine through the:

- ACNP Annual Meeting
- ACNP Interim Meeting
- Scanner — our monthly newsletter

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Fight costly and unnecessary regulations.

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The answer
Here are some

An expanding base of satisfied users.
The single most important factor behind business growth is customer satisfaction. As our products enjoy growing levels of acceptance, more and more healthcare professionals worldwide join the Elscint “family”. This is why we have outpaced even the impressive growth of our industry.

Pioneering achievements in nuclear medicine.
To many, Elscint means innovation in nuclear medicine technology. For nearly a quarter century, Elscint has been the initiator of many important advances in this field. From pioneering the first digital gamma camera to bringing the latest continuous-rotation slip-ring technology to nuclear medicine.

Elscint people – our greatest resource.
Elscint is the product of its people. Behind all our achievements stands a corps of highly-trained scientists and engineers. Nearly every second employee at Elscint holds one or more degrees from world-class academic institutions.

An industry-first: Elscint’s unique Evolving-Images™. A sequence of 4 SPECT images showing evolving image quality as the slip-ring-based Helix™ camera continuously orbits the patient.

Medical imaging industry growth (below): an estimated 10-fold over the past two decades; Elscint’s growth (right): 192-fold. (Arbitrary graph scaling, 1972 base.)

Scientists, engineers, computer programmers and technical experts comprise the majority of Elscint’s workforce.
Which imaging company grew a record 192-fold over the past 21 years?

... and has MRI, CT, Nuclear Medicine and Ultrasound installations in 54 countries worldwide?

- Toshiba
- General Electric
- Elscint
- Picker
- Siemens
- Hitachi
- Philips
“Whatever-it-takes” manufacturing capability: from superconductive magnets to micron-precise optronics.

Elscint’s corporate philosophy is to master key technologies vital to medical imaging in all areas of activity. Our five manufacturing plants in three countries are state-of-the-art in their fields. We take complexity as a challenge. For example, we are one of the very few MRI manufacturers who design and manufacture superconductive magnets in-house.
Some cardiac imaging agents leave something out of the picture...

INFORMATION & THRUPTPUT
A patient was imaged with CARDIOLITE for perfusion and first pass-function assessment. These tomographic slices show a fixed inferolateral perfusion defect in the territory of old inferior myocardial infarction. There is also a reversible anterolateral defect in the territory of a diagonal branch of the LAD. Coronary angiography showed a totally occluded RCA and a tight proximal stenosis of a large first diagonal branch of the LAD.

End-diastolic perimeter (white line) and end-systolic image acquired following rest injection of CARDIOLITE show LV dilatation with reduced (30%) LVEF and inferior hypokinesis. Stress perimeter and image acquired following exercise injection show decreased anterolateral wall motion, which corresponds anatomically to the perfusion defect seen on the perfusion scans above.

Gated short axis SPECT studies (imaged with CARDIOLITE) of a 64-year-old male with hypertensive cardiomyopathy demonstrate an inferoseptal myocardial infarction. The increased color intensity from diastole to systole represents myocardial wall thickening.

Please see last page of advertisement for Brief Summary of Prescribing Information.
New expanded uses fill in the gaps with more myocardial information

From identifying ischemia to localizing infarction, CARDIOLITE now fills in all the gaps for a complete clinical picture. With a CARDIOLITE study, you can assess the perfusion status of your patients...and much more. CARDIOLITE can also fill in myocardial information that is missing from thallium imaging—wall motion from gated studies and evaluation of function with the first-pass technique.

And, image after image, you won't find any gaps in quality, because CARDIOLITE provides the superior clarity of technetium.

Cardiolite
Kit for the preparation of Technetium Tc99m Sestamibi

Fills in the gaps...with clarity that lasts
GREATER THROU

CARDIOLITE fills in gaps in your imaging schedule

CARDIOLITE: Institution 1

- Stress
  - Study 1
  - Study 2
  - Study 3
  - Study 4
  - Study 5
  - Study 6

- Camera
  - Study 1
  - Study 2
  - Study 3
  - Study 4
  - Study 5
  - Study 6

NONSTOP CAMERA UTILIZATION

Thallium: Institution 2

- Stress
  - Study 1
  - Study 2
  - Study 3
  - Study 4

- Camera
  - Study 1
  - Study 2
  - Study 3
  - Study 4

Due to the lack of clinically significant redistribution and the slow washout of CARDIOLITE, patients can be batched for stress injection, then imaged one after another over a broader period of time. In comparison, imaging with thallium must take place almost immediately; therefore the camera is frequently idle.

Please see last page of advertisement for Brief Summary of Prescribing Information.
Improved camera utilization fills in scheduling gaps for greater throughput

CARDIOLITE virtually eliminates the gaps of time between camera use often associated with thallium. That’s because CARDIOLITE allows you to uncouple the time of injection from the time of imaging. Patients can be batched for stress, then imaged at any time... up to 4 hours after injection. So your patients are ready and waiting for the camera, not the other way around.

As seen in the diagram, this permits the camera schedule to be filled all day...so there are no gaps in productivity.

CARDIOLITE
Kit for the preparation of Technetium Tc99m Sestamibi

Fills in the gaps...with clarity that lasts
Rest studies of a 37-year-old male with a 45-inch chest circumference and slightly elevated left hemidiaphragm using CARDIOLITE and thallium-201 as the imaging agents. The images with CARDIOLITE are of superior quality, with less regional variation in count density and less hemidiaphragmatic attenuation.

CARDIOLITE fills in the information gaps to provide more information...all with the superior image clarity of technetium. Through new, expanded uses, CARDIOLITE gives you a complete CAD picture...from ischemia to infarction. CARDIOLITE also fills in gaps in your imaging schedule through the ability to uncouple the time of injection from the time of imaging. Patients can be batched, then imaged one after the other...virtually eliminating downtime for your camera.

More information. Greater throughput. CARDIOLITE fills your cardiac imaging needs.
This non-nal non-pyrogenic, non-stress the toadhere to the ovary's systemic (Sestamibi/30mCi) to the intermediate, mouse cytotoxic added, Sestamibi Tc99m also must be added, Sestamibi Tc99m was not established. Tc99m Sestamibi has not been studied or evaluated in human. It is usually not possible to differentiate recent from old myocardial infarction or to differentiate recent myocardial infarction from ischemia.

CONTAINMENTS: None known.

WARNINGS: In studying patients in whom cardiac disease is known or suspected, care should be taken to assure normal monitoring and treatment in accordance with safe, accepted clinical procedure. Infrrequently, death has occurred 4 to 24 hours after Tc99m Sestamibi use and is usually associated with exercise stress testing (See Precautions).

PRECAUTIONS:

GENERAL

The contents of the vial are intended only for use in the preparation of Technetium Tc99m Sestamibi and are not to be administered directly to the patient without first undergoing the precautionary procedure. Radioreactive drugs must be handled with care and appropriate safety measures should be used to minimize radiation exposure to the patients consistent with proper patient management. Contents of the kit before preparation are not radioactive. However, after the Sodium Pertechnetate Tc99m Injection is added, adequate shielding of the final preparation must be maintained. The components of the kit are sterile and non-pyrogenic. It is essential to follow directions carefully and to adhere to strict aseptic procedures during preparation. Technetium Tc99m labeling reactions involved depend on maintaining the stannous ion in the reduced state. Hence, Sodium Pertechnetate Tc99m Injection containing oxidants should not be used. Technetium Tc99m Sestamibi should not be used more than six hours after preparation. Radio pharmaceuticals should be used only by physicians who are qualified by training and experience in the safe use and handling of radionuclides and whose experience and training have been approved by the appropriate government agency authorized to license the use of radionuclides. Stress testing should be performed only under the supervision of a qualified physician and in a laboratory equipped with appropriate resuscitation and support apparatus. The most frequent exercise stress test end points, which resulted in termination of the test during controlled Tc99m Sestamibi studies (two-thirds were cardiac patients) were: Fatigue 30% Dysnea 17% Chest Pain 16% ST-depression 7% Arrhythmia 1%

Cardiogencis, Mutagenesis, Impairment of Fertility

In comparison with most other diagnostic technetium labeled radio pharmaceuticals, the radiation dose to the ovaries (1.6/5/500/50 retail) at rest, 1.2/6/50/50 at exercise) is high. Minimal exposure (ALAAR) is necessary to women of childbearing capability. (See Dosimetry subsection in DOSAGE AND ADMINISTRATION section.)

The active ingredient, (Cu(MBB)), BF, was evaluated for genotoxic potential in a battery of five tests. No genotoxic activity was observed in the Ames, CHLHHR and sister chromatid exchange tests (all in vitro). At chromosomal aberrations (2-20gam/ml), an increase in cells with chromosome aberrations was observed in the in vivo human lymphocyte assay. (Cu(MBB), BF, did not show genotoxic effects in the in vivo mouse micronucleus test at a dose which caused systemic and bone marrow toxicity (5mg/kg, > 600 x maximal human dose).

Pregnancy Category C

Animal reproduction and teratogenicity studies have not been conducted with Technetium Tc99m Sestamibi. It is also not known whether Technetium Tc99m Sestamibi can cause fetal harm when administered to pregnant women. Therefore, Tc99m Sestamibi should be given to a pregnant woman only if clearly necessary.

Nursing Mothers

Technetium Tc99m Pertechnetate is excreted in human milk during lactation. It is not known whether Technetium Tc99m Sestamibi is excreted in human milk. Therefore, formula feedings should be substituted for breast feedings.

Pediatric Use

Safety and effectiveness in children below the age of 18 have not been established.

ADVERSE REACTIONS: During clinical trials, approximately 8% of patients experienced a transient metallic or burning taste. Immediately after the injection of Technetium Tc99m Sestamibi, a flush of transient headache, flushing and non-itching rash have also been attributed to administration of the agent. Cases of angina, chest pain, and death have occurred (See WARNINGS and PRECAUTIONS). The following adverse reactions have been rarely reported: signs and symptoms consistent with an accelerated or concerning shortening after administration of the agent; transient arthritis in the wrist joint; and severe hyperthermia, which was characterized by dyspnea, hypotension, bradycardia, asthma and vomiting within two hours after a second injection of Technetium Tc99m Sestamibi.

DOSEAGE AND ADMINISTRATION: The suggested dose range for IV. administration in a single dose to be employed in the average patient (70kg) is: 370-1110MBq (10-30mCi) The dose administered should be the lowest required to provide an adequate study consistent with ALARA principles (see also PRECAUTIONS). When used in the diagnosis of myocardial infarction, imaging should be completed within four hours after administration. The patient dose should be measured by a suitable radioactivity calibration system immediately prior to patient administration. Radiochemical purity should be checked prior to patient administration. Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit. Store at 15-25°C before and after reconstitution.

RADIATION DOSIMETRY: The radiation dose to organs and tissues of an average patient (70kg) per 1110MBq (30mCi) of Technetium Tc99m Sestamibi injected intravenously are shown in Table 4.

<table>
<thead>
<tr>
<th>Organ</th>
<th>2.0 hour void</th>
<th>4.8 hour void</th>
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<tbody>
<tr>
<td></td>
<td>mCi</td>
<td>MBq</td>
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<tr>
<td>Kidneys</td>
<td>2.0</td>
<td>0.6</td>
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<td>Lungs</td>
<td>0.3</td>
<td>2.8</td>
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<td>Bones and soft tissue</td>
<td>0.7</td>
<td>6.8</td>
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<tr>
<td>Thyroid</td>
<td>0.7</td>
<td>7.0</td>
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<tr>
<td>Ovaries</td>
<td>1.5</td>
<td>15.5</td>
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<tr>
<td>Testes</td>
<td>0.3</td>
<td>3.4</td>
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<tr>
<td>Renal and bladder</td>
<td>0.5</td>
<td>5.1</td>
</tr>
<tr>
<td>Total body</td>
<td>0.5</td>
<td>4.8</td>
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DATA SPECTRUM PHANTOMS
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Data Spectrum Corporation is committed to maintaining high quality medical imaging, and will continue to develop new phantoms to meet the needs of the user.

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Fax: (919) 732-2260
SNM
40th Annual Meeting
Critical Dates

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DON'T FORGET THE MID-WINTER MEETING IN ATLANTA, GEORGIA

TITLE: Desktop Computing in Nuclear Medicine
DATE: February 8-9, 1993
LOCATION: Atlanta Airport Hilton, Atlanta, GA
SPONSOR: The Computer and Instrumentation Council

THE SOCIETY OF NUCLEAR MEDICINE
MID-WINTER MEETING

Title: Desktop Computing in Nuclear Medicine
Location: Atlanta Airport Hilton, Atlanta, GA
Date: Monday-Tuesday, February 8-9, 1993
Sponsor: The Computer and Instrumentation Council of The Society of Nuclear Medicine
CME Credit: Approximately 9.25 Hours AMA Category 1
VOICE Credit: Approximately 1.06 CEUs available for VOICE Credit for Technologists
Seminar Notes: Registration includes a luncheon on Monday, February 8th, with a guest speaker. There are a limited amount of lunches available so please register early.

THE FEE

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ALL PRE-REGISTRATIONS MUST BE RECEIVED BY JANUARY 15, 1993

COMPUTER AND INSTRUMENTATION: DESKTOP COMPUTING IN NUCLEAR MEDICINE
Atlanta Airport Hilton, Atlanta, GA • Monday, February 8 — Tuesday, February 9, 1993

PLEASE ENROLL THE FOLLOWING (use copies for additional registrants):

Name (as it should appear on badge)
Affiliation
Address
City State Zip
Phone

MAIL TO:
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COMPUTER and INSTRUMENTATION SYMPOSIUM
Department of Meeting Services
136 Madison Avenue
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To make hotel reservations, call the Atlanta Airport Hilton direct at (404) 787-9000. Indicate you are with The Society of Nuclear Medicine. Please make your reservations by January 13, 1993. Do NOT mail housing information to The Society.
The Society of Nuclear Medicine Awards Committee announces that two grants for $25,000 each are available for July 1, 1993.

The objectives of these grants are to: (1) Encourage physicians to enter the field of Cardiovascular Nuclear Medicine, and (2) Support high quality nuclear cardiology clinical research.

Funds can be used to support the research and/or salary of the investigator. Preference will be given to young physicians, or those new to the field of Cardiovascular Nuclear Medicine. Awards will be announced at the Annual SNM Business Meeting, June, 1993.

Please send for more information and an application to:

The Society of Nuclear Medicine
SNM Awards Committee
136 Madison Avenue
New York, NY 10016

Deadline: January 15, 1993

Mallinckrodt, Inc. has announced an Annual Fellowship of $30,000 for a physician fellow active in nuclear medicine research and/or development. The award is to further a research or development project, and applicants are asked to submit their curriculum vitae, a detailed account of their research project including prior accomplishments on the project, and future plans. Deadline for this year’s award is January 8, 1993. Requested information, along with at least two letters supporting the application, should be forwarded to: William J. Maclntyre, PhD, The Society of Nuclear Medicine, 136 Madison Ave., New York, NY 10016-6760. The recipient will be announced at the Annual Meeting of The Society of Nuclear Medicine.

The Society of Nuclear Medicine Awards Committee announces that a grant for $30,000 is available.

The funds will be used to support research for therapy by the investigator chosen.

To request more information and an application please contact:

The Society of Nuclear Medicine
SNM Awards Committee
136 Madison Avenue
New York, NY 10016

Deadline date: January 15, 1993
Which multi-modality company incorporates continuous-rotation high-speed slip-rings in its premium nuclear camera system?

- Toshiba
- General Electric
- Elscint
- Picker
- Hitachi
- Siemens
Slip-ring technology took CT by storm, and with good reason. Because continuous-rotation slip-ring technology brought powerful clinical applications to the field—like volumetric imaging.

Elscint has introduced the exciting potential of slip-rings to Nuclear Medicine. New horizons in nuclear tomography now include Evolving-Images™ and fast dynamic SPECT.

Elscint’s APEX® Helix™ is the only nuclear imager with continuous-rotation slip-rings.
Each description of the products below was condensed from information supplied by the manufacturer. The reviews are published as a service to the professionals working in the field of nuclear medicine and their inclusion herein does not in any way imply an endorsement by the Editorial Board of The Journal of Nuclear Medicine or by The Society of Nuclear Medicine. To receive product information, see page 38A.

Quik-Prep Electrode System

Quinton’s Quik-Prep electrode system gives stable ECG baselines, even during motion-sensitive tests such as stress testing and exercise or ambulatory monitoring. Fast and simple to use, the patented Quik-Prep applicator measures the electrical impedance between the actual attached electrodes and senses when the skin is optimally prepped. Because the stable baselines give more reliable ECG records, the Quik-Prep system is also economical, saving the time and supplies that are often wasted on repeated tests. Using the applicator and pre-gelled electrodes, a technician can place and prep 10 electrodes properly in less than 3 min. The applicator rotates the mildly abrasive center of the electrode and stops automatically when the proper impedance is reached, usually in less than 1 sec. The silver/silver chloride Quik-Prep electrodes use a low chloride conductive gel and a strong adhesive, making them ideal for long-term monitoring. The translucent centers enhance x-ray and imaging applications. Quinton Sales Dept., 2121 Terry Avenue, Seattle, WA 98121. 1-800-426-0337.

Workshops on Videotape

The UCLA Division of Neurosurgery and Department of Radiation Oncology has released its recent “Stereotactic Surgery and Radiosurgery Workshop” on videotape. These tapes can be used to acquaint neurosurgeons, radiation oncologists and medical physicists with computer planning for functional stereotaxis and radiosurgery and to train them with the leading stereotactic frames and 3-D localizer surgical arm. Specific topics included on the videotape are basic science presentation discussing biological, clinical, anatomical, radiological and physical aspects of stereotaxis and radiosurgery; functional stereotaxis; review of available radiosurgery techniques; dosimetry using state-of-the-art imaging techniques and software; indications for radiosurgery; radiological physics of small-field irradiation techniques; three-dimensional imaging techniques; stereotactic biopsy, brachytherapy and stereotactic craniotomy; use of the most common stereotactic frames; and use of radiosurgery planning software. These tapes are ideal for physicians to earn CME credits when unable to attend conferences. CME VIDEO, 1916 Old Cuthbert Road, B-13, Cherry Hill, NJ 08034-1457. 1-800-284-8433.

Preamplifier

EG & G Ortec announces the release of its Model 9306 1-GHz Preamplifier which has an output rise time of 350 ps. It is also optimized for fast timing and counting applications with microchannel plates, microchannel-plate photomultipliers, channeltrons, silicon photodiodes, fast photomultiplier tubes and electron multipliers. The Model 9306 provides a non-inverting gain of 85, and two identical outputs for convenient connection to separate instruments. The compact preamplifier case with captive power card permits close detector coupling to minimize sensitivity to environmental noise. The 1-GHz preamplifier derives its +24-V dc power from a NIM module or power supply via a standard 9-pin D connector. The Model 9306 is ideal for picosecond timing applications in fluorescence lifetime measurements, mass spectrometry, pulse laser measurements, heavy-ion physics, nuclear physics and high-energy physics. EG & G Ortec, 100 Midland Road, Oak Ridge, TN 37831-0895. 615-482-4411.

Stereo Microscope

Olympus Corporation’s Precision Instrument Division announces its new SZH-10 stereo research microscope system. The magnification range with 1× objective and 10× widefield high eyeport eyepieces is from 7× to 70×. The wide choice of prime objectives and eyepieces provides a total magnification range from 3.5× to 420×. The SZH-10 zoom body contains a built-in series of magnification click stops which can be easily disengaged by the user. All controls are positionable for maximum operator comfort. The new coaxial coarse and fine focusing knobs on both sides of the microscope body, combined with the counterbalance mechanism, provide quick and precise focusing, even at high magnifications. The low eyepoint binocular eyepiece tube ensures fatigue-free observation over hours of prolonged use. Zoom magnification controls with built-in magnification factor windows are located on both sides of the microscope body. Olympus Corporation, Precision Instrument Division, 4 Nevada Drive, Lake Success, NY 11042-1179. 1-800-446-5967.

Nuclear Supplies Catalog

Biodex Medical Systems announces the release of its Nuclear Supplies Catalog #75. Biodex, formerly Atomic Products Corporation, will continue to offer the highest quality equipment, supplies and accessories which are shipped in environmentally conscious packaging. The 130-page catalog features nearly 1,000 products essential to the nuclear medicine department including the Atomlab 900 Thyroid Uptake System, Atomlab Dose Calibrators, imaging tables designed exclusively for nuclear medicine and a new line of xenon disposables. Biodex Medical Systems, P.O. Box 702, Shirley, NY 11967-0702. 516-924-9000.
SPECT BRAIN IMAGING
CLINICAL FELLOWSHIP

Department of Radiology
Section of Nuclear Medicine

BENEFIT:
This program is designed for nuclear medicine physicians, radiologists, technologists and referring physicians. It is intended to educate participants about the clinical utility of SPECT brain imaging with agents such as SPECtamine® and Ceretec®.

Objectives include:
- Development of interpretation skills for brain images.
- Appreciation of clinical applications of SPECT brain imaging.
- Knowledge of image acquisition and reconstruction.
- Appreciation of factors that influence image quality.
- Knowledge of quality control techniques for SPECT.

SPONSORSHIP:
This program is sponsored by the Medical College of Wisconsin.

TUITION:
The tuition fee of $650 includes the course syllabus, handouts, breaks, breakfasts, lunches, and other amenities involved in making this a pleasant learning experience. Maximum enrollments have been established. Cancellations prior to the course will be refunded, less a $30 administrative fee.

CREDIT:
The Medical College of Wisconsin is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

Accordingly, the Medical College of Wisconsin designates this continuing medical education activity as meeting the criteria for 13.00 hours in Category 1 toward the Physician’s Recognition Award of the American Medical Association.

Nuclear Medicine Technologists who attend the SPECT Brain Imaging Clinical Fellowship are eligible for 1.0 VOICE credit.

Register me for the following dates: (Please indicate a second choice)

☐ January 11–12, 1993  ☐ March 8–9, 1993
☐ September 13–14, 1993  ☐ October 18–19, 1993

I will need hotel reservations for __________ Sunday and Monday night/
only Monday night.
I will need a __________ single/ __________ double room.

A check in the amount of $650 should accompany this registration form and be made payable to the Medical College of Wisconsin. Telephone registrations must be confirmed by check within 10 days.

Name ____________________________
Address __________________________
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Registrations and payment should be sent to:
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SPECT Brain Imaging Fellowship Coordinator
Nuclear Medicine Division
Medical College of Wisconsin
8700 W. Wisconsin Avenue
Milwaukee, WI 53226 (414) 257-7867
Policy — The Journal of Nuclear Medicine accepts classified advertisements from medical institutions, groups, suppliers, and qualified specialists in nuclear medicine. Acceptance is limited to Positions Open, Positions Desired, and Equipment. We reserve the right to decline, withdraw, or modify advertisements.

Rates for Classified Listings — $10.00 per line or fraction of line (approx. 50 characters per line, including spaces). Please allow 28 characters for the first line which will appear in capital letters. Special rates for SNM members on Positions Wanted: $10.00 per line. Note: Box numbers are available for the cost of the 2 lines required.

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Terms — Payment must accompany order. Make checks payable in U.S. dollars on U.S. banks only. To: The Society of Nuclear Medicine.

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Positions Available
Fellowship
FELLOWSHIP IN BRAIN SPECT IMAGING. The Department of Radiology at the Brigham and Women's Hospital/Harvard Medical School has an opening for one year fellowship, and an optional second year, in brain SPECT imaging. The department has a high-resolution SPECT system dedicated to brain imaging, four rotating-head gamma cameras capable of SPECT imaging and workstations for MRC/CT/SPECT superimposition. The department does approximately 1,000 brain SPECT examinations per year, including fusion, tumor seeking, and blood pool studies. Ongoing research areas include dementia, substance abuse, tumor detection and therapy, and cerebrovascular disease. Please send curriculum vitae to: B. Leonid Holman, MD, Chairman, Department of Radiology, Brigham and Women's Hospital, 75 Francis Street, Boston, MA 02115. Brigham and Women's Hospi-

tal/Harvard Medical School is an affirmative action/equal opportunity educator and employer.

Physician
NUCLEAR MEDICINE PHYSICIAN—BC/BE 5/8 position in the Nuclear Medicine Service of the Harry S. Truman Memorial Veterans Hospital to perform and interpret a variety of nuclear imaging and in vitro studies. Resident and Nuclear Medicine technology training and active clinical research. Send CV to: Richard A. Holmes, MD, Chief, Nuclear Medicine Service, 800 Hospital Drive, Columbia, MO 65201.

Radiologist
NW Rocky Mountains: RADIOLOGIST—NUCLEAR MEDICINE PHYSICIAN. A closed and protected eight person group with strong subspecialty interests seeks highly qualified individual. Fellowship or academic experience preferred. Nuclear Medicine recognized and/or ABR special competencies strongly desired. Position includes all aspects of nuclear medicine in a comprehensive advanced department. Practice is located in a community which has many recreation and cultural amenities. Reply to Paul Traubger, MF or J. Tim Hall, MD, Department of Radiology, St. Alphonsus Regional Medical Center, 1035 No. Curtis Rd., Boise, ID 83706, (208) 378-2161.

The Creighton University School of Medicine, Omaha, Nebraska has instituted a search to fill the position of CHAIRMAN OF THE DEPARTMENT OF RADIOLOGY. Significant research accomplishments and publications, demonstrated clinical skills, and a commitment to teaching

Residency
NUCLEAR MEDICINE RESIDENCY. July 1993. Comprehensive imaging/RFA/therapy program in 3 hospitals (private, county, VA) with 2,800 total beds. Mobile imaging for 216 ICU beds. Large pediatric population. Strong cardiovascular emphasis. State-of-the-art instrumentation. Training includes introductory rotations in NMR, PET and CT/Ultrasound; Contact: Warren H. Moore, MD, Department of Radiology, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030-3498. Baylor College of Medicine is an equal opportunity/affirmative action

employer.

Two and three year NUCLEAR RESIDENCIES are available at St. Luke's Medical Center, Milwaukee, WI. St. Luke's is a 600-bed general and acute care community hospital, and is one of the largest cardiac care centers in the US. The program gives the resident very strong training in nuclear cardiology, SPECT imaging, and general nuclear medicine. Instrumentation is modern and includes one triple head SPECT camera, one dual head SPECT camera, five single head SPECT cameras, one dual head whole body camera, one LFOV camera, one mobile gamma camera, and a large networked nuclear medicine computer system. Well over 11,000 imaging procedures are performed annually. Staff includes 2 full-time double board certified ABNM certified physicians, 1 medical physicist, 1 nuclear pharmacist, 1 programmer and a technical staff of 16. The residency is structured around a strong teaching program in the basic sciences and clinical nuclear medicine. Call is shared among multiple individuals, residents are always backed up by staff, and adequate time is available for reading and research. Residents are required to write one paper per year. Address applications and inquiries to Dr. Danny Vallee, Director of Nuclear Medicine Residency, St. Luke's Medical Center, 2920 W. Oklahoma Avenue, Milwaukee, WI 53215. (414) 649-6418.

Technologist
NUCLEAR MEDICINE TECHNOLOGIST positions available nationwide. Confidential searches. All fees employer paid. Dunhill of Bel Air, PO Box 267, Bel Air, MD 21014. (800) 753-6693; Fax: (410) 836-0953. EOE.

See Page 36 for information about SNM Grants and Fellowships
NUCLEAR MEDICINE TECHNOLOGIST

The Mayo Clinic in Rochester, Minnesota is seeking a registered or registry eligible (ARRT or NMTCB) Nuclear Medicine technologist to join our 62-member, team-oriented department. This is a full-time position enabling the technologist to perform diagnostic procedures in all areas of Nuclear Medicine and Nuclear Cardiology.

You will have the opportunity and personal satisfaction of working with state-of-the-art equipment in one of the largest Nuclear Medicine departments in the country. Our current facilities include over 20 gamma cameras, including multi-headed SPECT systems, as well as a large networked computer system. Our department is active in research and provides a clinical and didactic environment for students in our Nuclear Medicine training program.

Mayo Clinic is located in Rochester, Minnesota, a dynamic community of 62,000 located 75 miles southeast of Minneapolis/St. Paul. The Mayo Medical Center with a staff of over 17,000 employees is a leader in health care, education, and research. Mayo Clinic provides an attractive compensation package including an outstanding personal security and benefits program. Interested candidates may send resume to:

Douglas A. Parks
Personnel Section
MAYO CLINIC
200 First Street, SW
Rochester, MN 55905

Mayo Foundation is an affirmative action and equal opportunity educator and employer.

Saudia Arabian Opportunities

The King Faisal Specialist Hospital and Research Centre in Riyadh is a 500 bed tertiary referral center for the Kingdom of Saudia Arabia. The Research Centre has modern, fully equipped research laboratories as well as the only Cyclotron in the Middle East. The Cyclotron (CS 30) produces radionuclides for medical research and distribution. In addition, a state-of-the-art PET facility is being planned for the coming year. Opportunities are available for the following positions:

Consultant Physician, Nuclear Medicine - Completion of training in Nuclear Medicine with full board certification and 7 years experience.

Hot Cell Radiochemist - B.S. degree in Chemistry and experience in the preparation and production of radioactive isotopes as well as proficiency in the use of manipulators.

Radiochemist II - B.S. degree in Biology, Chemistry or Pharmacy, with a minimum of two years experience with radioactive materials.

Cyclotron Operator - A.S. degree in Electronics, Physics or related field and three years experience operating and maintaining cyclotrons or related experience.

Benefits include competitive, potentially tax-free salary, 50 days leave each year, free furnished accommodation, return air fares, medical care and educational assistance for dependent children. To apply, send complete curriculum vitae or resume to: Hospital Corporation International, 2515 Park Plaza, Nashville, TN 37203, or call toll-free 800-251-2561 (800-342-2110 in TN). From Canada, call collect (615)320-2440.

HCI is an equal opportunity employer.
CALL FOR ABSTRACTS FOR SCIENTIFIC PAPERS AND SCIENTIFIC EXHIBITS

The 1993 Scientific Program Committee, Scientific Exhibits Subcommittee, and the Scientific & Teaching Sessions Committee solicit the submission of abstracts from members and non-members of The Society of Nuclear Medicine for the 40th Annual Meeting in Toronto, Ontario, Canada. Accepted Scientific Paper and Scientific Exhibit abstracts be published in a special supplement to the May issue of The Journal of Nuclear Medicine and accepted Technologist Section abstracts will be published in the June issue of the Journal of Nuclear Medicine Technology. Original contributions on a variety of topics related to nuclear medicine will be considered, including:

- Instrumentation and Data Analysis
- Radioisotopes
- Radiopharmaceutical Chemistry
- Dosimetry/Radiobiology
- Nuclear Magnetic Resonance Chemistry
- Clinical Science Applications:
  - Bone/Joint
  - Cardiovascular (clinical and basic)
  - Endocrine
  - Gastroenterology
  - Neurology (clinical and basic)
  - Immunology (antibody)
  - Pediatrics
  - Pulmonary
  - Renal/Electrolyte/Hypertension
  - Hematology/Infectious Disease
  - Oncology (non-antibody)

Authors seeking publication for the full text of their papers are strongly encouraged to submit their work for immediate review to the JNM, and for the technologist section, to the JNMT.

Deadline for receipt of abstracts for SCIENTIFIC PAPERS is Wednesday, January 6, 1993.

Deadline for receipt of abstracts for SCIENTIFIC EXHIBITS is Wednesday, January 6, 1993.

There are two abstract forms for the annual meeting. The Scientific Paper abstract form can be obtained in the October 1992 JNM. The Scientific Exhibits abstract form is only available by calling or writing:
The Society of Nuclear Medicine
Attn: Abstracts
136 Madison Avenue
New York, NY 10016-6760
Tel: (212) 889-0717 • FAX: (212) 545-0221

Nuclear Medicine Physician

The DIVISION OF NUCLEAR MEDICINE at Lutheran General Hospital is seeking a physician boarded in nuclear medicine with internal medicine background. The hospital has 750 beds and is a teaching affiliate of the University of Chicago. The Division of Nuclear Medicine is very active with over 8,000 patient procedures done per year in a wide variety of studies. There are two full-time internal medicine and nuclear medicine boarded physicians and a part-time physician. The division has 7 cameras, four of which are SPECT, and is totally digitally integrated with a complete Ethernet. We have Radiology residency training and Cardiology fellowship training in our division. The applicant should be less than 3-5 years post training. Teaching and research will comprise a large portion of his/her duties in addition to clinical work. Please send CV and cover letter directly to Charles J. Martinez, M.D., Director, Division of Nuclear Medicine, Lutheran General Hospital, 1775 Dempster Street, Park Ridge, IL 60068.

We are an equal opportunity employer.

The Mount Sinai Medical Center of New York

NUCLEAR MEDICINE

PHYSICIAN BC/BE

Full-time faculty position at either a junior or senior level. Candidate should have completed a Nuclear Medicine residency and be Board-certified or eligible in Nuclear Medicine.

PHYSICIST, PhD

We require PhD in Physics and experience in Nuclear Medicine. The successful candidate will provide support to the Department by supervising QC and new equipment installation, developing and implementing new software, and assisting in educational and research activities. State-of-the-science facility featuring PET technology.

Competitive salaries and benefits. Please send CV/queries to: Josef Machac, MD, Box 1038, The Mount Sinai Medical Center, One Gustave L. Levy Place, New York, NY 10029-6574, (212) 241-6048. An Equal Opportunity Employer.

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Deadline January 15, 1993

Dominican Santa Cruz Hospital, the pacesetter in the Monterey Bay area when it comes to quality care and professional expertise, currently has a full-time opportunity for a Nuclear Medicine Technologist.

You will perform an extensive range of advanced levels of nuclear medicine procedures. Requires CNMT and graduation from an approved school of Nuclear Medicine.

We offer an excellent compensation and benefits package, including tuition reimbursement and a Child Care Center. For consideration, please send resume to: Dominican Santa Cruz Hospital, Human Resources, 1555 Soquel Drive, Santa Cruz, CA 95065. (408) 462-7725. EOE.

ASSOCIATE RESEARCH SCIENTIST
Diagnostics Drug Discovery

Bristol-Myers Squibb Pharmaceutical Research Institute is the R&D Division of Bristol-Myers Squibb, a worldwide leader in the discovery and development of innovative pharmaceuticals.

In this position, you will apply imaging techniques such as MRI, angiography, quantitative autoradiography and radionuclide imaging in the evaluation of new therapeutic and diagnostic agents. Requires a BS/MS with 2 - 6 years experience, a strong background in biology and expertise in animal models.

Please forward your resume to:
Bristol-Myers Squibb Pharmaceutical Research Institute, Dept. 356-PF, P.O. Box 4000, Princeton, NJ 08543-4000. Equal Opportunity Employer, M/F/D/V.

DOMINICAN SANTA CRUZ HOSPITAL
Management Opportunity

Tucson Medical Center is a 615-bed acute care teaching hospital and trauma center located in Tucson, Arizona. Our well-equipped, independent Nuclear Medicine Department is losing their Director to retirement and this has created an excellent opportunity for a talented Nuclear Medicine Specialist to assume a leadership role.

This is a full-time salaried position with an exceptional benefits package including incentive potential. Tucson’s pleasant climate will allow you to enjoy your favorite outdoor hobbies and cultural events year ‘round. Please send your resume to: Joyce Shough, Employment Manager, Tucson Medical Center, P.O. Box 42195, Tucson, AZ 85733, 1-800-526-5353, ext. 5275 or 1-800-362-7004 in state or fax 602-324-5277. EOE.

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Director of Nuclear Medicine

Applications are sought from appropriately qualified medical practitioners for this position. Monash Medical Centre is a 247 bed modern teaching hospital in the south east of Melbourne affiliated with the Monash University Medical School. The Department of Nuclear Medicine is part of the Division of Diagnostic Imaging which is in a physically new facility and provides all services but M.R.I. (for which a submission is in place). The Medical Centre offers tertiary clinical services in all disciplines.

The current staff component within the Department comprises a full-time Director, a part-time Physician in Nuclear Medicine, a part-time Image Registrar and five Technologists. The new Director appointment can be either a full-time position or a maximum part-time position. Private practice arrangements are negotiable.

Enquiries regarding further details of this position ought to be directed to Dr Fred Jensen, Chairman, Division of Diagnostic Imaging, on (613) 550 2200 or (613) 550 2274.

Application forms may be obtained from Miss Fay Jones on (613) 550 2745 and ought to be returned to Dr Syd Allen, Executive Director, Medical Services, by 4.1.93.

CLAYTON CAMPUS
246 Clayton Road, Clayton 3168 Australia

The Monash Medical Centre is an Equal Opportunity Employer and promotes a smoke-free work environment.

Monash Medical Centre

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8. Known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities: None. The Society of Nuclear Medicine, Inc., is a nonprofit organization; there are no shareholders.
9. The purpose, function, and nonprofit status of this organization and the exempt status for Federal income tax purposes have not changed during the preceding 12 months.
11. I certify that the statements made by me are correct and complete; (signed) John S. Childs, Publications Director.
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