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Circle Reader Service No. 2

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The Journal of Nuclear Medicine
A Profile of Progress in Nuclear Medicine
The Years of Growth
Nuclear medicine emerged from the experimental stage into a phase of rapid clinical growth. The number of procedures performed rose rapidly during the 1960s. During this same period, Squibb Diagnostics developed and introduced important products and services for nuclear medicine, including the first sterile technetium generator, nuclear medicine training seminars and technical support through the Technical Associates Program.

The Years of Refinement
The '70s saw the development of other imaging modalities which drew procedures away from nuclear medicine and slowed its growth. Developments and advances continued, however, and Squibb introduced a variety of radiopharmaceutical products, including Macrotec. Squibb's Choletec* was introduced in 1987, and quickly became the premier hepatobiliary imaging agent.
Nuclear Medicine: A Distinguished Past, A Promising Future

The Years of Promise
The future of nuclear medicine is bright, and Squibb’s contributions to it continue. New Squibb brain and heart agents are now in clinical development. In addition to extensive research and development, the Squibb contribution to nuclear medicine continues with technical support and professional education programs.

*See brief summary on following page.

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Circle Reader Service No. 67

800-501
Issued Feb. 1988
Advances in nuclear neurology

With the anticipated introduction of new brain radiopharmaceuticals, the use of emission computed tomography (ECT) imaging for neurological studies is expected to increase, creating special challenges for nuclear imaging. As a result, there have been a series of hardware and software improvements specifically designed to enhance ECT head images.

**Optimized detector**

The unique cut-off design of the 400AC contoured detector from GE Medical Systems permits unobstructed rotation around the head, reducing resolution to approximately 12 mm without relinquishing sensitivity.

Dr. Benjamin M.W. Tsui, University of North Carolina, has developed a fan beam collimator designed to improve resolution and sensitivity for tomographic brain imaging. Dr. Tsui has found that using the collimator in conjunction with the 400AC detector for close proximity imaging can improve spatial resolution to 9 mm.

**Software developments**

Three-dimensional surface image software offers a unique way to view radiopharmaceutical distributions within the body by allowing visualization of three-dimensional structural relationships. Evaluating defects in a single image is easier than looking at successive tomographic slices, especially when the defect is near the image surface. Nowak reconstruction, a weighted back-projection technique, can reduce the effects of attenuation, scatter and loss of resolution due to distance from the camera, yielding images with improved contrast.

**Clinical significance**

The development of investigational brain imaging agents such as Iodoamphetamine (IMP) and others indicates the need for ongoing ECT improvements. At GE, research continues to meet the current and future requirements of ECT imaging.

Fig. 1. Transaxial slices demonstrate resolution improvement with the fan beam collimator, particularly in the basal ganglia region.

Fig. 2. Three-dimensional IMP images show the extent of a cerebral infarction.

Fig. 3. Transaxial and sagittal slices on right show improvement in resolution and contrast with Nowak reconstruction.
Producing a stronger bond
to revolutionize cancer detection and treatment.

Because of their ability to seek out and attach to cancer cells within the body, monoclonal antibodies offer tremendous potential for use in detecting and treating cancer.

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- All AccuSync-3R features with the exception of the Heart Rate/R-R int. display.

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TRIAD

The Trionix™ revolution begins with the Triad. It combines our outstanding computer with the most advanced SPECT system design in the industry. Three wide field gamma cameras, set in a triangle, move radially to tightly surround the head or torso for superior 3-D imaging of either the brain or body organs.

Also, while the three-camera design makes Triad the optimal SPECT workhorse, it also excels at planar and wholebody imaging.

And the best part is fast Dynamic SPECT. Triad can reduce 360° data acquisition to five seconds for continuous images without a time gap. Compare this to other systems.

Is Cost an issue? Triad’s ability to do three to five times the patient volume at less than twice the cost of most single camera systems means more studies per day at a lower average cost.

But, Triad’s only half the story. Trionix also introduces the Biad.

BIAD

The Biad combines Triad’s elegant, but solid gantry and powerful computer with two extra wide, true rectangular gamma cameras to create a system optimized for wholebody imaging.

With two extra wide cameras, Biad can complete a posterior and anterior wholebody study in ONE pass. In addition, Biad offers you a SPECT capability second only to Triad.

These features plus twice the sensitivity of most one camera systems can be yours with Biad.

The highest performing systems deserve the utmost in processing power. An integral part of every Triad and Biad system is our fast, flexible computer system (actual monitor shown left).

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As demonstrated at the June SNM show, Trionix mixes tremendous computing power with the industry’s largest, most flexible image display and the ease of mouse control to create a new standard in nuclear medicine.

Don’t believe us? Compare these features to your current system:

- TRUE 32 bit system
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Ambulatory left ventricular studies are now a reality, thanks to the CAPINTEC-VEST™. Data generated using the system includes synchronized ejection fraction, relative cardiac volumetric measurements, heart rate and electrocardiographic analysis.

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The Thyroid Uptake System II sets new standards for uptake studies.

If you're looking for the Uptake System that offers the most features, is designed for patient comfort and easy operation, look to the New Thyroid Uptake System II from Atomic Products Corporation.

This is the Uptake System that sets new standards because it is “truly dedicated” to thyroid uptake activity studies.

Operation is simple, and straightforward, thanks to the “user-friendly” menu selection and “easy-to-use” control panel. All operations and calculations are handled by a high-speed microprocessor with data displayed on the built-in monitor.

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Innovation and reliability for serious medical decisions that affect lives.

Positron has made the commitment.
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Its cable cars, bridges, Victorian buildings, cultural variety, food, and, of course, its beautiful bay will set the backdrop to four days of intensive learning opportunities, interspersed with exciting social events. San Francisco, California, will be the site of our Thirty-fifth Annual Meeting. If you missed Toronto, you missed a great meeting, but San Francisco promises to be even better.

SCIENTIFIC PAPERS

This year's presentation of over 700 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 presentations.

CONTINUING EDUCATION COURSES

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.

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 contributions to nuclear medicine.

EXPOSITION

More than 100 pharmaceutical and equipment manufacturers will display their latest products in a lively atmosphere. These knowledgeable commercial representatives offer the technical depth our field demands, and they are valuable sources of timely and pertinent information.

AUDIOVISUALS, BOOKS, JOURNALS

The Society of Nuclear Medicine is continually adding to its library of audiovisuals, books, and other publications. A stop at the publications booth is well worth the time. Here you will find on display what the society has to offer for year-round educational advancement.

Networking opportunities and job referral boards are available at special locations throughout the meeting as well as membership information at our membership booth.

Registration: $130 SNM members
$225 nonmembers

Hotels: $100 US average rate/night

If you need further information, please contact:

The Society of Nuclear Medicine
Education and Meetings Department
136 Madison Avenue
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EUROPEAN NUCLEAR MEDICINE CONGRESS 1988
AUGUST 26—SEPTEMBER 2
MILANO, ITALY

SCIENTIFIC PROGRAM
Plenary sessions, with lectures given by invited speakers, will concern the following main topics: Oncology, Emission Tomography, Cardiology, Pediatrics, Neurology, Scientific Papers, "Works-in-Progress," Technicians' Program, Scientific and Commercial Exhibition, Pre- and Post-Congress Meetings are also included.

Topics related to nuclear medicine will be considered for inclusion in the scientific program as follows:

Instrumentation: Instrumentation and New Technologies, Emission Computed Tomography (SPECT and PET), NMR, Computers, Image Processing, Artificial Intelligence, Quality Control of Instrumentations.

Radiopharmaceuticals: Radiopharmaceutical Chemistry, New Radiopharmaceuticals, Radiolabeled Monoclonal Antibodies for Cancer Diagnosis and Therapy, Studies on Cell and Animal Models, Kinetics of Tracers, Quality Control of Radiopharmaceuticals, Dosimetry.

In Vitro Applications: Tumor Markers, Radioimmunoassays, Cell Labeling Quality Control, Genetic Engineering.

Clinical Applications: Cardiology and Circulation, Gastroenterology, Nephrology, Neurology, Hematology, Endocrinology, Pediatrics, Bone/Joint Diseases, Pulmonary Diseases, Thyroid Diseases, Metabolic Therapy, Radiation Risks.

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A comprehensive exhibition of equipment and radiopharmaceutical manufactures will be on display.

GENERAL INFORMATION
Call for Abstracts: Official Abstract Sheets may be obtained by writing to the Official Organizing Offices, O.I.C. Incentive -Viale Majno, 21 I-20122 Milano. The deadline for the receipt of abstracts is March 1, 1988.

Registrations and Fees: Members of the European Association of Nuclear Medicine (EANM), regularly registered, will have free admission to the Congress, provided that they present their 1988 Membership card at the Registration Desk, or send a copy to the Official Organizing Offices. EANM Members must pay their fees by April 15, 1988. New EANM membership applications will be accepted only until April 15, 1988.

The registration fees for non-members will be Lit. 220,000 + VAT by June 15, 1988 and Lit. 300,000 + VAT after June 15, 1988.

Social Program: A comprehensive social program has been planned, including the Opening Ceremony with a concert and welcome cocktail (inclusive in the registration fee); an organ concert in one of the most beautiful churches of Milano; a dancing dinner in an old villa near Milano; the Farewell Party.

PRESIDENT OF THE CONGRESS: Prof. Dott. Gian Luigi Buraghi

Scientific Secretariat:
Division of Nuclear Medicine
Istituto Nazionale dei Tumori
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NUCLEAR MEDICINE TECHNOLOGIST: Registered or registry eligible technologist to work in private office. Special emphasis on nuclear cardiology. Salary negotiable. Send resume to: Box 1203, The Society of Nuclear Medicine, 136 Madison Ave., 8th fl., New York, NY 10016-6760. EOE.

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For further information please contact Laura Fasano at (212) 889-0717.
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Positions Available

Director

PROGRAM DIRECTOR—School of Nuclear Medicine Technology. The University of Virginia Medical Center is currently seeking a full-time Program Director for the School of Nuclear Medicine Technology. The School is hospital based with a JRC approved. 12-month certificate program. The candidate must be certified a Nuclear Medicine Technologist with a minimum of 2 years of postcertification professional experience and a baccalaureate degree. The Program Director must demonstrate proficiency in instruction, curriculum design, program planning, evaluation, and counseling. Competitive salary and excellent benefits are offered. Historic Charlottesville is centrally located, only 2 hours from Washington, D.C., and Richmond. Lives within 30 minutes of the ski resorts in the Blue Ridge Mountains. Charlottesville is the home of the University of Virginia and Monticello, the home of Thomas Jefferson. For further information, call: Dr. Croft or Ms. Fox at (804)924-5201 or write: Ms. Jonette Auchenbaugh, Ronnie Price, University of Virginia, Department of Personnel Administration, Carruthers Hall, P.O. Box 9007, Charlottesville, VA 22906. EOE/AA.

Fellowship

NUCLEAR MEDICINE/MAGNETIC RESONANCE FELLOWSHIP. The Department of Radiology at the University of Texas Health Science Center at Dallas is offering a 1- or 2-year fellowship to begin July 1, 1988 to include training in nuclear medicine and magnetic resonance imaging. Strong emphasis is placed on physiologic image interpretation and quantitation as well as correlation with other diagnostic modalities. Applicants must have completed a minimum of 2 years in an accredited diagnostic radiology residency program and have demonstrated an interest in nuclear medicine. Applicants must have completed fellowship experience or MD/PhD desired but not required. Send CV to: William A. Erdman, MD, Director, Nuclear Medicine & Body MR Research, Dept. of Radiology, University of Texas Health Science Center at Dallas, 5323 Harry Hines Blvd., Dallas, TX 75235. An attractive Action/Equal Opportunity University.

Monoclonal antibody diagnosis and treatment of cancers. University of Missouri, Columbia. One or two-year fellowship. Applicants must be board certified or board eligible in the United States. Salary negotiable. For information, contact: Dr. Stephen J. Miller, Department of Radiology, University of Missouri, Columbia, MO 65212. EOE.

FELLOWSHIP IN NUCLEAR MEDICINE. The University of Missouri, Columbia, One or two-year fellowship in diagnosis and research fellowship in nuclear medicine. The fellowship is integrated between university and affiliated hospitals. Research opportunities include basic science and clinical research with new single photon emitting brain blood flow agents and a range of therapeutic radiopharmaceuticals. Facilities include basic science laboratories, full SPECT imaging systems at both hospitals, and opportunities for CT, ultrasound, and MR imaging. Clinical experience includes cardiovascular nuclear medicine. Candidates must be Board of Nuclear Medicine, and licensed to practice medicine in Missouri. Send letter of interest (including list of references) to: Richard A. Hinz, M.D., Division of Nuclear Medicine, University of Missouri Hospital and Clinics 2N9 Nuclear Medicine Sciences, 1 Hospital Dr., Columbia, MO 65212. EOE.

Physician


NUCLEAR MEDICINE PHYSICIAN. The Division of Nuclear Medicine, in the Department of Radiology, Beth Israel Hospital, has an opening for an ABNM certified staff nuclear medicine physician. The successful applicant will have a faculty appointment at the Assistant/Associate Professor level at the Harvard Medical School, and will participate in the Harvard Joint Program in Nuclear Medicine. Research and teaching experience and interest are essential. Preference will be given to candidates with 3–5 years postresidency academic experience. We have strong research programs in PET, SPECT, nuclear cardiology, radiochemistry, and molecular biology. Training opportunities in nuclear medicine and radiation biology. Salary commensurate with experience. Interested applicants should apply to: Gerald M. Koldopy, MD, Director, Div. of Nuclear Medicine, Beth Israel Hospital, 330 Brookline Ave., Boston, MA 02215. EOE.

NUCLEAR MEDICINE PHYSICIAN, Western PA. BC/BE, ABNM with some experience with SPECT to join combined radiation oncology-nuclear medicine hospital based practice. Send CV to Box 203, Society of Nuclear Medicine, 136 Madison Avenue, 8th Floor, New York, NY 10006-6760.

Chemist

RADIOPHARMACEUTICAL REVIEW CHEMIST. Food and Drug Administration. U.S. Public Health Service. PhD highly desirable. To review new drug submissions, particularly pharmaceutical industry and familiarity with the preparation of NDA and IND submissions useful. Salary range $36,727–$50,346 (GS-13). U.S. citizenship required. Please send resume and/or application for Federal Employment (SF-171) to: Dr. R. W. Joffe, Department of Health and Human Services, Food and Drug Administration, HFN-150, 5600 Fishers Lane, Rockville, MD 20857; (301)443-3415. FDA is an Equal Opportunity Employer.

Assistant Professor

ASSISTANT PROFESSOR, DIVISION OF NUCLEAR MEDICINE, University of Kentucky, Lexington, is seeking applicants in nuclear medicine. Candidates should be board certified in nuclear medicine, preferably with Board certification in radiology or medicine. Successful candidate will be expected to assume responsibility for the nuclear medicine division as well as participate in research and resident teaching. Please address resumes to: Y. Yun Ryo, MD, PHP Professor and Director, Division of Medicine, University of Kentucky Medical Center (Room N-7), Lexington, KY 40536. An Equal Opportunity Employer.

Radiologist

Board certified or eligible DIAGNOSTIC RADIOLOGY to be part of a three-person imaging center staff. Responsibilities include patient care, teaching, and research. The radiology staff of this specialty center is associated with the larger radiology departments in hospitals operated by Group Health Cooperative of Puget Sound in Seattle and Redmond, Washington. The practice consists of responsibility in ultrasound, nuclear medicine, GI fluoroscopy, mammography, outpatient CT, and diagnostic x-ray. For further details please contact: Professor of Medical Staff Personnel, Group Health Cooperative of Puget Sound, Department of Radiology, 3216 Wall St., Seattle, WA 98121; (206)448-6550. EOE.

NUCLEAR RADIOPHYSICIST. Individual must have successfully completed training for ABR certification with special competence in nuclear radiology or ABNM. Full-time research fellowship in nuclear medicine including SPECT and computerized work. Successful candidate will be expected to assume responsibility for the nuclear medicine division. Salary and rank will be commensurate with experience and qualifications. Responsibilities include patient care, and supervising residents for junior staff level, research as well as demonstrated academic ability in addition for senior staff level. Requirements include at least 5 years experience in diagnostic radiology and Board eligibility or certification in American Board of Radiology with special competence in nuclear radiology and/or American Board of Nuclear Medicine. N.Y.S. medical license required; narcotics license desirable. Please send resume to: David H. Frey, Department of Radiology, 622 West 18th St., New York, NY 10011. Columbia University is an Affirmative Action/Equal Opportunity Employer.

Technologist

CHIEF TECHNOLOGIST for a progressive clinical research general and cardiovascular nuclear medicine program. Major affiliate of Yale University. New SPECT and cardiac equipment. PET center to be established in 18 months. Previous experience and certification required. Established administrative experience preferred. Forward resume to: Dr. Robert Souther, West Haven VA Medical Center/115 West Spring Street, West Haven, CT 06516 or call (203)932-5711, ext 684. EOE.

CHIEF TECH type, self motivated, responsible, to manage nuclear medicine departments in hospital clusters in New Hampshire, Colorado, Arizona and other locations. Excellent pay, commissions, car allowance, and benefits. Send resume to: Medical Imaging Systems, Inc., P.O. Box 8506, Rolling Meadows, IL 60008. If you want an opportunity, this is it. EOE.

NUCLEAR MEDICINE/ULTRASOUND. Hospital based group in Pacific Northwest with private practice limited to ultrasound and nuclear medicine seeks associate with training in these specialties.
Nuclear medicine caseload includes cardiac, bone, hepatobiliary, pulmonary, renal, and SPECT studies. Ultrasound encompasses routine and complicated obstetrics, oncology, vascular, abdominal, pelvic, and pediatric neurosonography. Send CV to: Michael Daly, MD, Nuclear Medicine/Ultrasonic Section, Emanuel Hospital, 2301 North Gaithers Ave., Portland, OR 97227. EOE.

NUCLEAR MEDICINE TECHNOLOGIST. Staff tech experienced with computerized cardiac studies, emission computer tomography, and general nuclear imaging. Must be registered or registry eligible with Florida licensure. We offer a competitive salary and excellent benefits. Qualified applicants reply to: Beth Ellis, Employee Relations Department, Lee Memori- al Hospital, P.O. Drawer 2128, Ft. Myers, FL 33901 or call TOLL FREE in Florida at 1-(800)422-4672 or nationally at 1-(800)642-JOBS. Equal Opportunity Employer.

NUCLEAR MEDICINE TECHNOLOGIST. The Hospital of Saint Raphael, a 500-bed community teaching hospital, is seeking a full-time staff technologist for our progressive, state-of-the-art nuclear medicine department. Must be Registered (RTNM), certified (CNMT) or Board eligible. The city of New Haven is located along Long Island Sound, in close proximity to New York. Community has diverse cultural offerings, skiing and sailing. We offer an outstanding benefits and salary package. Salary commensurate with experience. Please send resume, or contact: The Dept. of Personnel, Hospital of Saint Raphael, 1450 Chapel St., New Haven, CT 06511.

NUCLEAR MEDICINE TECHNOLOGIST. Central Maine. 250-bed regional referral hospital has a challenging opportunity to join our expanding staff. Applicants for this full-time position must have or be eligible for ARRT/NMTCB certification. We offer a competitive salary and benefit package plus a quality lifestyle in a four-season setting only 2½ hours north of Boston. Please write or call collect: Human Resources, Central Maine Medical Center, P.O. Box 4500, Lewiston, ME 04240; (207)795-2394. EOE.

NUCLEAR MEDICINE TECHNOLOGISTS—Phoenix, Arizona. Good Samaritan Medical Center, a 750-bed teaching institution has opportunities in all specialty areas. We are a progressive Nuclear Medicine Department with MDS and VAX/Microdelta computers, two Siemens 7502L ECT cameras, two Picker Dyna-Mo cameras, a Technicare Omega 500, Siemens LFOV, and a Lunar Radiation DPM Bone Density Unit. Qualified applicants must be able to work independently, have good communication skills, and be registry eligible (registered preferred). We offer an excellent benefits package and a competitive salary commensurate with experience. Please send resume to: Personnel Dept., Good Samaritan Medical Center, 3441 N. 12th St., Phoenix, AZ 85006 or contact: Jenny McAuley, (602)239-2677 for more information. EOE.

NUCLEAR MEDICINE TECHNOLOGIST, registered or eligible, for modern JCAH acute-care hospital. Rocky Mountain university town of 24,000, Metro Denver just 2½ hours away. Sports enthusiast’s delight! Good working conditions and benefits. Salary negotiable based on experience. Send resume to: Human Resources Office, Ivinson Memorial Hospi- tal, 235 North 30th, Laramie, WY 82070; (307)942-5483. EOE.

NUCLEAR MEDICINE TECHNOLOGISTS. Senior and junior level positions in private nuclear medicine and ultrasound lab. Active cardiovascular program. ARRT registry required. Ultrasound experience preferred. Send resume to: Stuart Gotlieb/Faith Block, MD, PA, 150 N W. 14 St., Suite 1, Miami, FL 33136 or call Ms. Smith, Administrator, (305)324-0424. EOE.

NUCLEAR MEDICINE TECHNOLOGIST. The University of Virginia Medical Center is currently seeking two full-time registered Nuclear Medicine Technologists or registry eligible Nuclear Medicine Technologists. The Medical Center is an 800-bed research oriented teaching institution. The Nuclear Medicine Department consists of general imaging labs, Nuclear Cardiology labs, and an RIA lab. The labs are well equipped with Siemens, General Electric, Symphonic, Raytheon, and Technicare cameras with MDS, Sopha, and DEC computers. Competitive salary and excellent benefits are offered. Historic Charlottesville is centrally located, only 2 hours from Washington, D.C., 2½ hours from the Atlantic Coast, and within 30 minutes of the ski resorts in the Blue Ridge Mountains. Charlottesville is the home of the University of Virginia and Monticello, the home of Thomas Jefferson. For further information, call: Mr. H. Shah, Chief Technologist, (804)924-3201 or write: Ms. Monette Aughenbaugh, Ronnie Price, University of Virginia, Department of Personnel Ad- ministration, Carruthers Hall, P.O. Box 9007, Charlottesville, VA 22906. EOE/AA.

DIAGNOSTIC IMAGING DEPT. OPTIONS open for CNMT/Eligible. Full-time, 8-hour shifts, cross training available. Beebe Hospital has competitive salary and benefits. Contact: The Personnel Dept., 424 Savannah Rd., Lewes, DE 19958; (302)645-3336. EOE.

NUCLEAR MEDICINE TECH—SW FLA. The best opportunities under the sun can be found at Medical Center Hospital in Punta Gorda, Florida, near Ft. Myers on Florida’s West Coast. The Nuclear Medi- cine Technologist with CNMT or AART-N and Flori- da license eligible will find our staff position reward- ing. Responsible for performing scanning and/or RIA procedures. Excellent salary ($21,000-$24,000) and benefits with moving allowance. For information con- tact: Human Resources Director, P.O. Box 1309, Punta Gorda, FL 33950, (813)372-2352. EOE.

Service Technician
Position available for qualified gamma camera computer service TECHNICIAN. We are a group of outpatient facilities (16) covering much of Southeastern Michigan. Our equipment list includes Technicare, Medex HS-10, Searle PHO Gamma Cameras, Sopha, CDA & Siemens, NIC computers. Please send resume to: P.O. Box 90041, Rochester Hills, MI 48309-0441. EOE.

Positions Wanted

TECHNOLOGIST. REG. CNMT/ARRT. Seeks temporary positions—short/long term. Five years exp. Will travel. Reply: P.O. Box 82, McHenry, MD 21541.

STAFF
TECHNOLOGIST
NUCLEAR MEDICINE

Boise, Idaho, land of mild winters and moderate summers, year around golfing, skiing minutes away from downtown area, boating and swimming minutes away, mountains near for hunting and camping.

We are looking for a graduate of AMA approved School of Nuclear Medicine. NMTCB or AART registry or registry eligible required. New graduate acceptable however must have experience during training with GE Starcon and nuclear cardiology. Department also has GE camera with MDS Computer as well as Lunar bone density.

Applicant will be working day shift, M-F, with some call and holiday coverage. Position offers excellent salary and benefits. Please send resume to:
Peggy Pyper
St. Luke's Regional Medical Center
190 East Barrack
Boise, Idaho 83702
1-(208)386-2470.

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- TECHNICAL SUPPORT

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**DIRECTOR DIVISION OF NUCLEAR MEDICINE**

Faculty position available in the Department of Radiology at Creighton University, a large tertiary care center and major teaching hospital in the Midwest with strong programs in cardiology, psychiatry and oncology. The Division of Nuclear Medicine performs a full range of imaging studies. A Siemens-CTI PET Center will be operational in the Fall of 1988. Radiology residency program. The position entails clinical service, teaching responsibility, and emphasis on research particularly in the area of clinical PET. The applicant should be Board certified in radiology or nuclear medicine.

Call or send resume to: Mathis P. Frick, MD Professor and Chairman Department of Radiology Creighton University School of Medicine 601 No. 30th Street Omaha, NE 68131 (402)449-4753

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**NUCLEAR MEDICINE/CT TECHNOLOGIST**

Jefferson Regional Medical Center, a 471-bed, acute care facility serving Southeast Arkansas, is currently accepting applications for a Nuclear Medicine/CT Technologist. Qualified applicants must possess a registration in radiologic technology with experience in CT or be registered in nuclear medicine. Jefferson offers competitive salaries and an excellent benefits package. For confidential consideration send resume to:

Employment Manager
Jefferson Regional Medical Center
1515 West 42nd Avenue
Pine Bluff, AR 71603
Call COLLECT (501)541-7673

---

**NUCLEAR MEDICINE TECH**

A career opportunity is being offered in a major health facility located on the intercoastal waters of Florida's sunny west coast. We are looking for a Technologist to join our progressive state-of-the-art department. Must be NMTCB and/or ARRT registered; Florida licensed; SPECT experience preferred. Please send resume to: Employment Office.

323 Jeffords St., Clearwater, FL 34617

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NUCLEAR MEDICINE

Applications are being accepted for a senior position (Professor or Associate Professor level) in nuclear medicine. The position will provide excellent opportunities for teaching in approved nuclear medicine and radiology residency programs, practice at integrated university and VA nuclear medicine services, and research. There are excellent modern equipment and facilities available, including four SPECT cameras, multiple computers, and cardiac nuclear equipment. Qualifications should include certification by the American Board of Nuclear Medicine or American Board of Radiology (Nuclear Radiology), participation in a nuclear medicine training program, and a significant interest in clinical and research aspects of nuclear medicine. Please inquire to:

Glenn V. Dalrymple, MD
Nuclear Medicine Division, Slot 581
University of Arkansas for Medical Science,
4301 W. Markham, Little Rock, AR
(501) 681-5740.

NUCLEAR MEDICINE TECHNOLOGIST

Indian River Memorial Hospital, Vero Beach’s 293-bed center of medical excellence, now seeks a registered or registry eligible Nuclear Medicine Technologist. Our dynamic environment includes a new GE Star Can with spect capabilities and two additional nuclear cameras with computerized systems. No RIA work is involved. This full-time, Monday - Friday position offers convenient scheduling of 10am-6pm daily with rotating call. You’ll also enjoy an attractive salary/benefits package and ongoing opportunity for professional development.

For confidential consideration, send resume or call collect to Ken Klein, Chief Nuclear Medicine Technologist, at (305) 567-4311, ext. 2084.

IRMH
1000 36th Street
Vero Beach, FL 32960
We Are An Equal Opportunity Employer

ST. JOSEPH’S
NUCLEAR MED TECH
Phoenix, Arizona

St. Joseph’s Hospital & Medical Center is a 626-bed, full-service teaching facility located in sunny Phoenix, Arizona. Currently we are seeking a Nuclear Med Tech to work full-time days with weekends off but must be agreeable to accept call.

Requires completion of approved formal education program in nuclear medicine (AMA approved) and/or certification as a Nuclear Med Tech by the ARRT, ASCP, or other recognized registry.

An outstanding compensation and benefits package awaits the successful candidate. If qualified and interested, please call (602) 285-3035, or send resume to: Employment Office, St. Joseph’s Hospital & Medical Center, P.O. Box 2071, Phoenix, AZ 85001.

Equal Opportunity Employer

Nuclear Medicine Technologist
Full Time Days

Our 450-bed teaching medical center located in beautiful Western Connecticut offers an immediate opportunity for a Nuclear Medicine Technologist.

Our Nuclear Medicine Department seeks a candidate who is Certified (or eligible) in Nuclear Medicine and although prior experience is preferred, it is not essential.

Danbury Hospital offers an excellent salary and benefit package and an outstanding working environment.

Interested candidates should contact our Personnel Department at (203) 797-7330 or send a resume to:

Danbury Hospital
Hospital Ave., Danbury, CT 06810
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35A
SNM Presents Your Personal Postgraduate Study Course in Nuclear Medicine

The Society of Nuclear Medicine has initiated a major nuclear medicine self-study program to aid physicians, scientists, and technologists in expanding their knowledge of the clinical, basic science, and technical aspects of nuclear medicine. The study and self-evaluation approach has been shown to be an effective means of acquiring medical knowledge and an objective means of evaluating strengths and weaknesses.

The entire Nuclear Medicine Self-Study Program is to consist of four sequential publications (I-IV) which will review the entire field of nuclear medicine. Each program is divided into three components: a soft cover book consisting of a syllabus, questions, and answer sheets; a separate book with answers and detailed critiques; and a personal psychometric evaluation, complete with a norms booklet.

Like the earlier Nuclear Medicine Review Syllabus, the Nuclear Medicine: Self-Study Program syllabus has been designed to strengthen your knowledge of nuclear medicine, sharpen your clinical skills, and keep you abreast of recent developments. The self-assessment test, with its answers and critiques, should provide additional help in identifying strengths, as well as possible gaps in your knowledge. It can be used to obtain CME or CEU credits, to prepare for board and/or recertification exams, or as a reference and teaching aid.

The first volume of this program, Nuclear Medicine: Self-Study Program I, will cover four areas of nuclear medicine: Radiobiology and Radiation Protection, including regulatory matters; Gastrointestinal Nuclear Medicine; Skeletal Nuclear Medicine; and Pulmonary Nuclear Medicine. Both the syllabus and questions emphasize essential, clinical-related information. The syllabus and critiques contain annotated references to allow the reader to seek additional information on each topic. The questions are carefully prepared to approximate the format and level of difficulty encountered in specialty board examinations.

The answer and critique book provides the correct answer for each question and discusses the various options. Hence, the review of answers and questions also constitutes an important learning experience.

The personal psychometric evaluation provides comparisons of your performance with that of a peer group. A norms table will indicate your percentile ranking for each subject area, as well as the percentage of participants who answered each question correctly. Anticipated publication date for Nuclear Medicine: Self-Study Program I is June 1988. It will be available to members for $90; nonmembers for $115; and residents for $75. Answer sheets will be accepted for psychometric evaluation, for CME and CEU credit, and for inclusion in the norms tables through November 1, 1988.
About The Society

Benefits of Membership

- The Journal of Nuclear Medicine: a subscription to the official publication of The Society of Nuclear Medicine and the most prominent journal in the field. Published monthly, it provides the membership with up-to-date information on current developments in nuclear medicine.
- Annual Meetings: discounts to scientific, clinical, and continuing education presentations, as well as commercial exhibits, to keep abreast of the latest developments.
- Membership Directory: distributed biannually, at no extra cost, to the entire membership.
- Books and Monographs: discounts on selected new topics published by the Society.
- Audiovisuals: discounts on slide/tape programs covering a wide variety of subjects designed for classroom use and self-instruction.
- Pamphlets: on a number of topics including how to present scientific papers and how to prepare scientific exhibits.
- Awards: presented to Society members for outstanding achievements and contributions to the field.
- Continuing Education Credit: for meeting courses, audiovisuals, and exhibits, approved for AMA Category 1 credit.
- Research and Fellowship Support: through SNM Education and Research Foundation.
- Placement Service at Annual Meeting: for those members seeking career opportunities in the field.
- Effective Government Relations: through committees and lobbying efforts.

Organization

The Society of Nuclear Medicine (SNM) is a multi-disciplinary organization of physicians, physicists, chemists, radiopharmacists, technologists, and others interested in the diagnostic, therapeutic, and investigational use of radiopharmaceuticals. Founded in Seattle, Washington in 1954, it is the largest scientific organization dedicated to nuclear medicine.

Objectives

- Maintain an organization supported by professionals of varied backgrounds who have a common interest in the clinical and scientific discipline of nuclear medicine;
- hold meetings and seminars to communicate new knowledge acquired and provide continuing medical education;
- advance the highest standards in the practice of nuclear medicine;
- disseminate information by means of journals, books, monographs, and audiovisuals;
- promote and maintain the highest standards of education and research.

Membership Categories

FULL members are physicians or scientists with an advanced degree who have valid credentials indicating their professional interest in nuclear medicine.
ASSOCIATE members are scientists or technologists with a BA or BS or equivalent qualifications.
TECHNOLOGIST members are those who have valid credentials indicating their professional interest in the technology of nuclear medicine.
AFFILIATE members are persons who have an active interest in the objectives of the Society and who are not qualified for other categories of membership.
IN-TRAINING members are those who present a letter from the director of a training program certifying that they are in training and may be admitted to membership as an in-training Full, Associate, or Technologist member.

Chapters

The Society is composed of individuals who are members of 16 regional chapters throughout the United States and Canada. Those who do not reside within this geographic area are considered to be "Members-at-Large."

SNM Councils

To satisfy the needs of those individual disciplines within nuclear medicine, the Society has established special interest Councils that function autonomously within the Society and are open to all interested Society members: Academic, Computer, Correlative Imaging, Instrumentation, Radioassay, and Radiopharmaceutical Science.

Technologist Section

Membership in the Technologist Section is open to any member of the Society, regardless of category, who can provide evidence of training and/or experience in nuclear medicine technology. Members receive all Section benefits, including a subscription to the Journal of Nuclear Medicine Technology.

If application form has been removed, circle Reader Service No. 161.
Instructions to Application for Membership

1. Please complete and sign the enclosed application form, either printing or typing the information. Make sure you have completed all information requested in order to avoid unnecessary delays in processing.

2. A membership category will be assigned to you in accordance with the Society’s Bylaws based on the information supplied on your application form.

3. To be eligible for "In-Training" status, at least 90 days must be remaining in your formal training program. No application processing fee is required.

4. Upon acceptance by the Society, you will automatically become a member of the regional chapter that covers your area of residence. If you wish membership in some other chapter, you should submit your request with your application. If no regional chapter exists for the area of your residence, you will be assigned "Membership-at-Large."

5. A $10.00 non-refundable processing fee must accompany the completed application form. Otherwise applications will not be processed.

6. Receipt of your application will be acknowledged. Allow 4–6 weeks for processing and for receipt of the appropriate journals. DO NOT prepay your dues. An invoice will be sent to you upon approval of your application.

Guide to Membership Dues—1988

<table>
<thead>
<tr>
<th>Membership Categories</th>
<th>Society</th>
<th>Technologist Section</th>
<th>Total</th>
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<tr>
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<td>Full-in-training</td>
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<td>Doctoral degrees (MD, DO, PhD)</td>
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<tr>
<td>With Tech Section membership</td>
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<td>33.00</td>
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<td>All other degrees-in-training</td>
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<td>33.00</td>
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</table>

- Society and Technologist Section chapter dues are additional and vary by chapter. A chapter dues table is available upon request.
- Council dues are an additional $5.00 per Council.
- Dues for those applicants joining during the year are prorated to January 1st.
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**Call for Abstracts for Works-In-Progress**

The 1988 Scientific Program Committee solicits the submission of abstracts from members and nonmembers of The Society of Nuclear Medicine for the 35th Annual Meeting in San Francisco. Works-in-Progress accepted for the program in a special supplement to the May issue of the *Journal of Nuclear Medicine* will be published in a separate on-site show publication that will be distributed to all those who attend the meeting. Original contributions on a variety of topics related to nuclear medicine will be considered, including:

- **INSTRUMENTATION**
- **COMPUTERS AND DATA ANALYSIS**
- **IN VITRO RADIOASSAY**
- **RADIOPHARMACEUTICAL CHEMISTRY**
- **DOSIMETRY/RADIOBIOLOGY**
- **NUCLEAR MAGNETIC RESONANCE**
- **CLINICAL SCIENCE APPLICATIONS**
  - Bone/Joint
  - Cardiovascular
  - Endocrine
  - Gastroenterology
  - Infectious Disease
  - Renal/Hypertension
  - Neurology
  - Oncology/Hematology
  - Pediatrics
  - Pulmonary
  - and Immunology

Authors seeking publication for the full text of their papers are strongly encouraged to submit their work to the *JNM* for immediate review.

A complete educational program for technologists will be offered and technologists are encouraged to submit abstracts of their work for consideration.

The official abstract form for Works-in-Progress may be obtained from the October 1987 issue of the *JNM* or by calling or writing:

**The Society of Nuclear Medicine**
Att: Abstracts
136 Madison Avenue, New York, NY 10016-5760
Tel: (212)889-0717

**Deadline for Works-In-Progress is Thursday, April 7, 1988**
The dawn of metabolic brain imaging in the evaluation of stroke... and a new day for nuclear medicine

Patient history:
Patricia M, a 44-year-old woman with a history of hypertension, previous TIAs, right carotid endarterectomy

Reason for admission:
Onset of left-sided weakness and numbness

CT interpretation:
Normal

SPECTamine interpretation:
Decreased right hemisphere uptake in the region of the caudate nucleus, and less pronounced decrease in uptake in the right temporal lobe and lower right parietal lobe.

SPECTamine image courtesy of the Medical College of Wisconsin, Milwaukee, WI

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