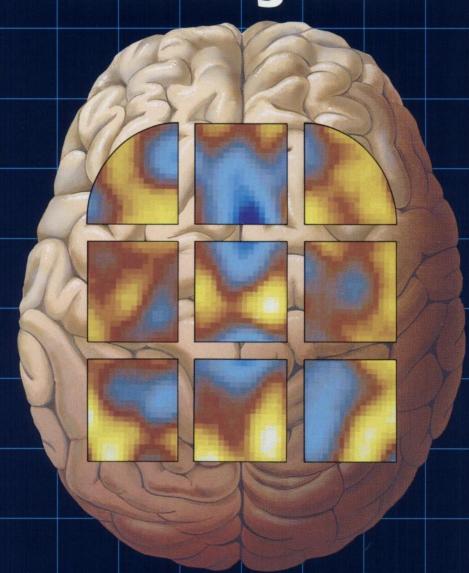
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SPECTamine of the living brain

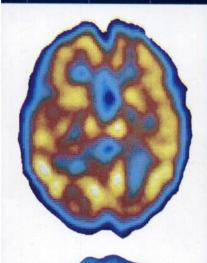


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Please see adjacent page for brief summary of prescribing information.

SPECTamine of Infection SPECTamine HCl I 123 Injection

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Normal brain (top left) displays relatively symmetric SPECTamine uptake by metabolically active neurons.

SPECTamine study (bottom left) demonstrates bilaterally posterior cerebral artery infarction, confirming diagnosis.

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SPECTamine* Iofetamine HCl I 123 Injection

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DESCRIPTION: SPECTAMINE-9 (lofetamine HCI | 123 Injection) is supplied as a sterile, apyrogenic, aqueous, isotonic sodium chloride solution for intravenous administration. Each milliliter of the solution contains 37 megabecquerels (1 millicurie) of iofetamine HCI | 123 at calibration time, 0.15 millipram iofetamine HCI, 0.017 millimole sodium phosphate, and 8.0 milliliprams sodium chloride for isotonicity. The phi is adjusted to 4.5-6.0 with sodium hydroxide or hydrochloric ac'd. SPECTAMINE contains no bacteriostatic preservative and is packaged in single dose vials. The radionuclidic composition at calibration time is not less than 98.0 percent | 123, not more than 1.9 percent | 125, and not more than 0.1 percent all others.

BMINIATIONS AMD IRSAFS. SPECTAMINE (lofetamine MCI | 123 (injection) is composition of the second s

INDICATIONS AND USAGE: SPECTAMINE (Infetamine HCI I 123 Injection) is recommended for word.attows And USABE: SPECIAMINE (totalamine HCI 1723 injection) is recommended for use as a lipid-soluble brain-imaging agent. It has been shown to be useful in the evaluation of nonlacunar stroke especially when used within 96 hours of onset of focal neurological deficit. The rates of agreement between abnormal images and the neurological examination suggestive of ischemic cerebrovascular insufficiency appear to increase with the severity of symptoms. Its usefulness for the measurement of cerebral blood flow has not been established.

CONTRAINDICATIONS: None known

WARNINGS: SPECTAMINE (lofetamine HCl I 123 Injection) should not be administered to individuals with known hypersensitivity to sympathomimetic amines or to those individuals taking monoamine oxidase inhibitors.

PRECAUTIONS:

General

Some primate (Macaca fascicularis) studies have shown marked eye uptake of iofetamine HCI 1123. Localization has not been studied in the isolated human eye although in vivo images suggest the concentration of iofetamine HCI 1123 is below the limit of detection. Individual human variations in pharmacokinetics of this drug and the long-term effect on the eye have not been elucidated

The contents of the vial are radioactive. Adequate shielding of the preparation must be maintained at all times

Do not use after the expiration time and date (12 hours after calibration time) stated on the label. Potassium Iodide Oral Solution should be administered before the examination to minimize thyroid uptake of iodine 123.

The prescribed infetamine HCI I 123 dose should be administered as soon as practical from the time of receipt of the product (i.e., as close to calibration time or before, if possible), in order to minimize the fraction of radiation exposure due to relative increase of radionuclidic contaminants with time

To minimize radiation dose to the bladder, the patient should be encouraged to drink fluids and

SPECTAMINE, as well as other radioactive drugs, must be handled with care. Appropriate safety measures should be used to minimize radiation exposure to clinical personnel. Care should also be taken to minimize radiation exposure to the patient consistent with proper

Radiopharmaceuticals 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. **Drug Interactions**There has been a single report of elevated diastolic hypertension (about 30 mm Hg) occurring 18 hours after administration of SPECTAMINE in a patient maintained on therapeutic doses of

Concurrent use of monoamine oxidase (MAO) inhibitors and compounds containing the amphetamine structure has been known to result in hypertensive crisis. Caution, therefore, should be exercised when administering SPECTAMINE (lofetamine HCI 123 injection) to individuals taking medications known to potentiate the effects of sympathomimetric amines it is recommended that SPECTAMINE not be administered during or within 14 days following administering of MAOI inhibitores. administration of MAO inhibitors.

Sympathomimetic amines may affect the biodistribution of SPECTAMINE and, thus, may influence the image quality and diagnostic utility of the image.

Carcinogenesis, Mutagenesis, Impairment of Fertility

No long-term animal studies have been performed to evaluate carcinogenic potential, mutagenic potential or effects on fertility in male or female animals. The Ames test was negative for mutagenic effects.

Presence Category C.

mutagenic effects. Pregnancy Category C

Animal reproduction studies have not been conducted with SPECTAMINE. It is also not known whether SPECTAMINE can cause fetal harm when administered to a man or a pregnant woman or can affect reproduction capacity. SPECTAMINE should be given to a pregnant woman only if

Ideally, examinations using radiopharmaceuticals, especially those elective in nature, in women of childbearing capability, should be performed during the first few (approximately ten) days following the onset of menses.

Since Iodine I 123 is excreted in human milk, formula feeding should be substituted for breast feeding if the agent must be administered to the mother during lactation.

Pediatric Use

Safety and effectiveness in children have not been establish

ADVERSE REACTIONS: In a clinical study in 93 patients with sudden onset of focal neurological deficit, e.g., cerebral infarction, 7 patients died within 2 to 55 days after administration. The deaths were considered to be a result of the disease state. Although there was no concurrent control group, statistics from historical controls support this evaluation. There is evidence suggesting that the administration of 1 to 2 milligrams of iofetamine HCI, the carrier in SPECTAMINE, may increase systolic blood pressure by about 10 mm Hg. In a patient with a history of hypertension, there has been a single report of sudden onset of hypertension and dizziness with transient chest industress which procurred 5.10 minutes after administration.

and dizziness with transient chest tightness which occurred 5-10 minutes after administration of SPECTAMINE. One case of transient unilateral hearing loss also was reported several hours after the use of SPECTAMINE in a patient with a coincidental upper respiratory infection. As with all organic-iodine-containing compounds, the possibility of allergic reactions must be

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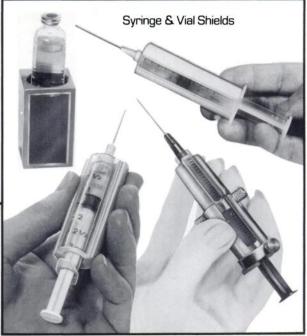


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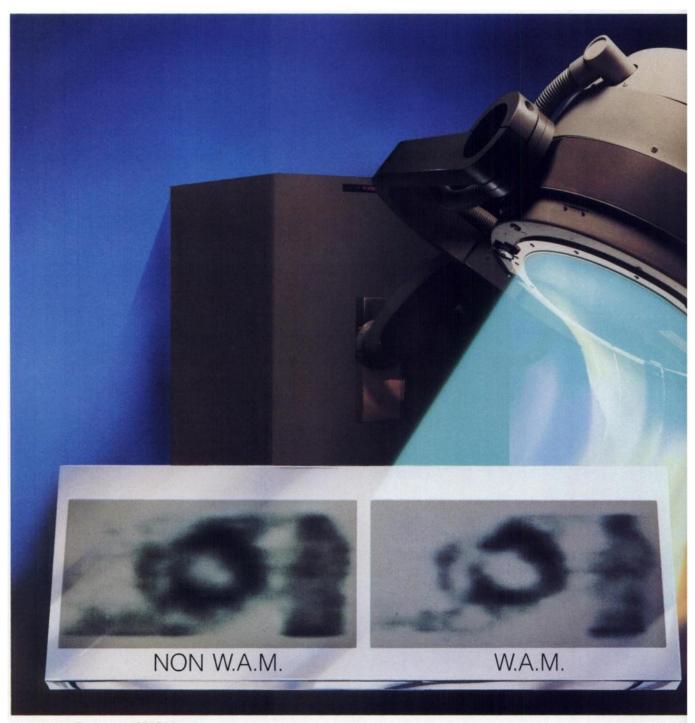
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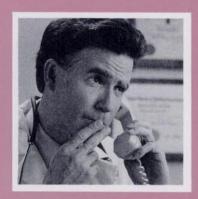
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JULY 30-AUGUST 5, 1989





This year Nuclear Medicine Week will be observed from July 30-August 5. Nuclear Medicine Week, sponsored by The Society of Nuclear Medicine and Technologist Section, was developed to educate the general public and health care professionals of the diagnostic and treatment capabilities of nuclear medicine.

Nuclear Medicine Week is the only time during the year that the entire nuclear medicine community unites to present its message. It is an excellent opportunity to reach out to those who could benefit from nuclear medicine; it is also a most opportune time to promote your facility to referring physicians and potential patients. A new poster, button and sticker have been designed to help you promote this worldwide event in your community. In addition, a set of guidelines with suggestions to increase participation is available from the Society. We encourage all those involved in nuclear medicine to join with us to increase the awareness and improve the perception of nuclear medicine.

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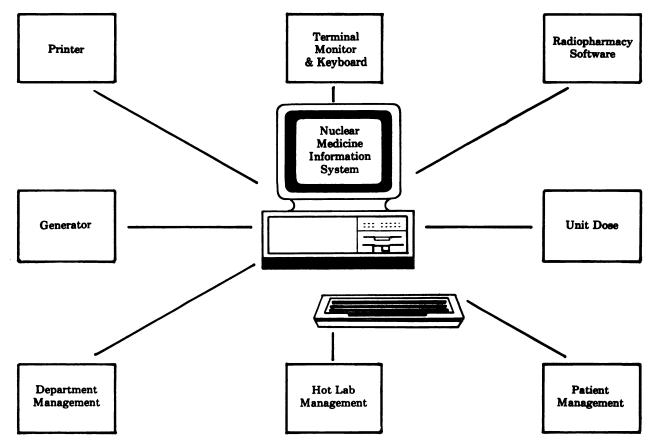
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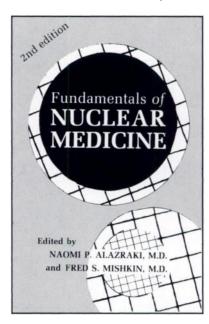
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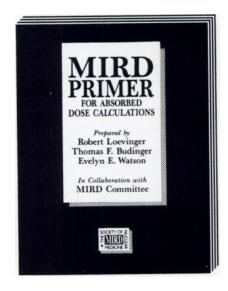
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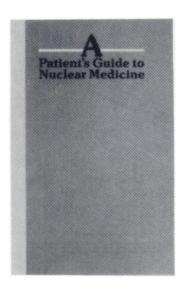
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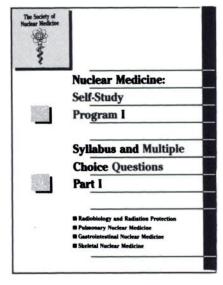
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SECTION THREE:

Gastrointestinal Nuclear Medicine

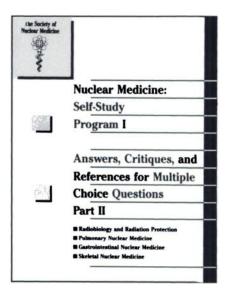
Alan H. Maurer, MD, Chairman

SECTION FOUR:

Skeletal Nuclear Medicine

Edward B. Silberstein, MD,

Chairman



Answers and Critiques-Correct answer for each question is followed by a discussion of the rationale for correct and incorrect answers. Additional tables, illustrations and references ensure that you gain an in-depth understanding of each topic.

The Society of Nuclear Medicine presents Nuclear Medicine: Self-Study Program I, the first volume of a comprehensive series that will cover all areas of nuclear medicine. Nowhere else will you find the most recent innovations in the field, and nowhere else will you find the material in such an easy to use and understandable format.

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Nuclear Medicine: Self-Study Program I covers the advances in nuclear medicine since the publication of the Nuclear Medicine Review Syllabus, and features many of the same contributors.

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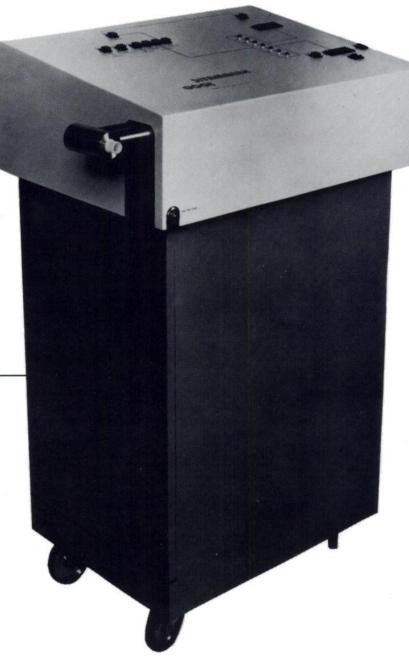
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Chromatography of Technetium-99m Radiopharmaceuticals

—A Practical Guide

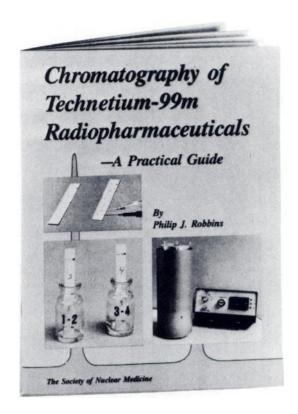
By Philip J. Robbins

To provide up-to-date information about the most accurate procedures for ensuring quality control of radiopharmaceuticals, The Society of Nuclear Medicine has published Chromatography of Technetium-99m Radiopharmaceuticals—A Practical Guide.

This important manual offers readers a collection of miniaturized chromatographic methods for the rapid and precise determination of the radio-chemical purity of commonly used Tc-99m radio-pharmaceuticals.

Topics covered include the nature and source of impurities, principles and classic techniques of chromatography, methods for counting miniature chromatographic strips, and pitfalls of miniature methods and how to avoid them. Also contained herein is a listing of each radiopharmaceutical with the USP criteria for radiochemical purity, typical scans of impure products, and standards and interlaboratory comparisons for miniaturized systems.

Prepared to aid nuclear medicine personnel in implementing voluntary quality-assurance programs, the material may also be used as a training resource for individuals preparing for professional licensure and certification.



8½ × 11" softcover, 48 pages \$ 8.00 SNM members; \$10.00 non-members Publication Date: January 1984

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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 Wanted, Equipment Available, and Seminars. We reserve the right to decline, withdraw, or modify advertisements that are not relevant to our

Rates for Classified Listings-\$15.00 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. of the 2 lines required.

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Positions Available

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FACULTY POSITION IN NUCLEAR MEDICINE. ABNM Board-eligible or certified physician, also Board-eligible or certified in Internal Medicine or Diagnostic Radiology. Position entails a major role in R and D of nuclear medicine techniques and clinical services in the associated VA Medical Center, and research and teaching in nuclear medicine at the University of Iowa. The VAMC also provides significant opportunities for research. Interested applicants should send a curriculum vitae and references to: Peter T. Kirchner, MD, Director, Divireferences to: Peter 1. Kirchner, MD, Director, DVI-sion of Nuclear Medicine, Department of Radiology, University of Iowa, College of Medicine, Iowa City, IA 52242. Women and members of minority groups are encouraged to apply. The University of Iowa is an Affirmative Action/Equal Opportunity Employer. NUCLEAR MEDICINE PHYSICIAN. Experienced ABNM certified physician needed for partime employment. Desirable situation offering a combination of private practice, teaching, and opportunities for research. Very pleasant California coastal community. Send inquiries to: Daniel S. Rimkus, MD, Cancer Foundation of Santa Barbara, 300 W. Pueblo St., Santa Barbara, CA 93105. EOE.

NUCLEAR MEDICINE PHYSICIAN. Immediate Opening. Well equipped department in a 523-bed University-Affiliated Hospital in Atlanta, Georgia. ABNM or ABR-SCNR Certified or eligible. Full or part-time. Academic appointment available. Wide range of procedures performed including stress and IV Persantine SPECT TI-201 explusions. Hospital stress lab located in puclear. evaluations. Hospital stress lab located in nuclear medicine department. Please submit curriculum vitae to: Oliver A. Sorsdahl, MD, Director of Nuclear Medicine, 300 Boulevard NE, Atlanta, GA 30312.

DIRECTOR of Clinical PET Center. UCLA is currently seeking a faculty member for the Division of Nuclear Medicine and Biophysics, Department of Radiological Sciences to be the Director of a newly established clinical PET center. This individual should have the academic, administrative, and scientific background commensurate with an Associate or full Professor appointment. In addition to documented experience with the principles, applications and use of positron emission tomography (PET) in the study of neurologic, psychiatric and cardiovascular diseases, it is desirable that the individual have specific experience or training in business and business management. The clinical PET center consists of a state of the art positron emission tomograph. of a state-of-the-art positron emission tomograph, a low energy cyclotron for radiopharmaceutical pro-duction, and computer based systems for data management, database, reporting and accounting information. Candidates should have training in Nuclear Medicine and, preferably, have specialty training in one of the following disciplines: Internal Medicine, Radiology, Neurology, Neurosurgery, Psychiatry, Cardiology or Cardiovascular Surgery, Address correspondence to: John C. Mazziotta, MD, PhD, c/o Wendy Hagar, B2-086 CHS, Dividion of Nuclear Medicine and Biophysics, Department of Radiological Sciences, UCLA School of Medicine, Los Angeles, CA 90024-1721. UCLA is an Affirmative Action/Equal Opportunity Employer.

Faculty

FACULTY MEMBERS. The Department of Radiology's Division of Nuclear Medicine is recruiting faculty members with expertise, interest and leadership in: cardiovascular nuclear medicine, MRI and PET; Therapy with unsealed Radioisotopes including monoclonal antibodies; SPECT and PET of the CNS. The Division operates three facilities with a total of 14 cameras, 4 single head SPECT units included. Plans exist for the division to function as a fully computerized PACS Laboratory. A multidetector SPECT unit and PET/Cyclotron facility is planned. Please send CV and brief outline of ways planned. Frease send of van orien outline of ways in which you could contribute to our program to: George N. Sfakianakis, MD, Director, Division of Nuclear Medicine (D-57), University of Miami School of Medicine, PO Box 016960, Miami, FL 33101. University of Miami is an Equal Opportunity/ Affirmative Action Employer.

ASSISTANT PROFESSOR of Radiology. Requirements: Board certified/eligible in nuclear medicine, proven academic performance, US citizen or permanent visa, permanent Ohio license or a state with reciprocity with Ohio. Applicants should reply with CV to: Harry R. Maxon III, MD, Director, Eugene L. Saenger Radioisotope Laboratory, Univer-sity of Cincinnati Medical Center, Cincinnati, OH 45267-0577. An Equal Opportunity Employer

Technologist

NUCLEAR MEDICINE TECHNOLOGISTS. Registered or registry eligible, to work 40+ hours per two-week pay period in 10 hour shifts, and on call rotation. Modern hospital in northwestern Twin Cities suburb. Contact: Mercy Medical Ctr., 4050 Coon Rapids, Blvd., Coon Rapids, MN 55433. (612)

NUCLEAR MEDICINE TECHNOLOGIST. Immediate opening for ARRT(N) or CNMT or Board-eligible for expanding nuclear medicine dept. Qualified candidate will be responsible for perform-Qualified candidate will be responsible for performing full range of Nuclear Imaging. SPECT a plus. Competitive salary with excellent fringe benefits. Appointments can be arranged by calling collect: Bettie Azevedo (805) 872-2802. Or send resume to: Kern Radiology, 1420 Crestmont Dr., Bakersfield, CA 93306. EOE.

NUCLEAR MEDICINE TECHNOLOGIST. Memorial Hospital of Sweetwater County, a 100-bed fully accredited hospital in Rock Springs, Wyoming, is currently searching for the position of registered Nuclear Medicine Technologist. Excellent benefits and salary enhance this position. Premiums for health, dental, and vision benefits are fully paid by the hospital for employees and their dependents. 25 days PDO. No state income tax. We are located very close to all season amenities of Jackson Hole, The Grand Tetons, and Yellowstone National Park. Salt Lake City and the resorts of Utah and Colorado are within short driving distance. Interested applicants should contact the Personnel Department: Memorial Hospital of Sweetwater County, PO Box 1359, Rock Springs, WY 82901. Call Collect 1(307)362-1490. EOE.

NUCLEAR MEDICINE TECHNOLOGIST. Saint Anthony Hospital, a 190-bed modern, pro-Saint Anthony Hospital, a 190-bed modern, progressive hospital located on the shores of Lake Michigan and one hour from Chicago, has an opening for a self-motivated staff technologist. Qualified applicants should be registered or registry-eligible in nuclear medicine technology by ARRT or NMTCB. Excellent benefits & salary. Send resume to: Saint Anthony Hospital, Personnel Department, 301 W. Homer St., Michigan City, IN 46360. (219)874-0601. EOE.

Positions Wanted

Board Certified NM PHYSICIAN, experienced in all aspects of nuclear medicine including SPECT and diagnostic ultrasound seeks group or hospital-based position. Reply to: Box 621, The Society of Nuclear Medicine, 136 Madison Avenue, New York, NY 10016-6760.

NUCLEAR MEDICINE PHYSICIAN. 40 y.o. ABNM, 10 yrs hospital experience, avail. June 1990, desires a position (prefer part-time) in a clinic or hospital. Experienced in cardiac imaging including SPECT. Prefer suburban area or a smaller community with access to a metropol. Midwest area. Enjoy patient content untring with a team approach and with access to a interior introversity at the English partient contact, working with a team approach, and teaching. Good health, reliable, and excellent organizational skills. Please respond to: Box 714, The Society of Nuclear Medicine, 136 Madison Ave., New York, NY 10016.

CELEBRATE NUCLEAR MEDICINE WEEK

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Nuclear Medicine Technologists

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Join a network of good people working together to provide quality health care. Come to Kaiser Permanente, one of the nation's leading health care organizations. Opportunities are currently available for Nuclear Medicine Technologists at our Los Angeles and San Diego medical centers.

Los Angeles

Two full-time positions are currently available at our Los Angeles medical center. Qualified candidates must possess current ARRT, CNMT or ASCP certification. Must be graduates of a formal training program recognized by the American Medical Association and American College of Nuclear Physicians.

For these Los Angeles positions, send your resume to: Personnel Department, JOU-108-6/89, 1515 N. Vermont Ave., 2nd Floor, Los Angeles, CA 90027.

San Diego

Qualified candidates must be registered with NMTCB or ARRT. Two years experience is required. Computer and SPECT experience is preferred.

For this San Diego position, send your resume to: Personnel Department, JOU-108-6/89, 4646 Mission Gorge Place, San Diego, CA 92120.

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Nuclear Medicine Technologists have found a home for their skills at Kaiser Permanente. Los Angeles.

ERMANENTE

Kaiser Permanente is one of the nation's leading health care organizations. Our 632-bed Los Angeles medical center is home to many skilled health care professionals. These individuals work together in a stimulating, collaborative environment that inspires professional growth and high quality health care.

Two full-time positions are currently available at our Los Angeles medical center for Nuclear Medicine Technologists. Qualified candidates must possess current ARRT, CNMT or ASCP certification.

Must be graduates of a formal training program recognized by the American Medical Association and American College of Nuclear Physicians.

We offer competitive salaries, a comprehensive benefits package and the opportunity to make the most of your skills in Nuclear Medicine. For immediate consideration, please send your resume to: Personnel Department, JOU- 108-7/89, 1515 N. Vermont Ave., 2nd Floor, Los Angeles, CA 90027. We are an Equal Opportunity Employer.

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St. John's Regional Health Center is seeking a self-motivated/self-directed Diagnostic Medical Physicist. The position requires expertise in Nuclear Medicine, Diagnostic Radiology, Clinical Laboratory and Regulatory/Accreditation Standards. Experience with MRI, Ultrasound and computer programming would be desirable. The successful candidate will function as the radiation safety officer for our facility.

Candidates for the position must have a master's or PhD in Medical Physics and 5-7 years experience as a Clinical Diagnostic Medical Physicist. Certification in Diagnostic Radiology or Radiological Physics would be desirable; eligibility is required.

St. John's Regional Health Center is an 886-bed, acute care hospital in Southwest Missouri. The area, located in Missouri's premier outdoor recreational area, offers many cultural activities and educational opportunities. Excellent hunting, fishing, boating and canoeing areas are available in this beautiful mountain area. The salary for this position is negotiable and will be based on experience/qualifications.



If you are interested in this position, please send resume and salary history to: Jerri Flikkema, ST. JOHN'S REGIONAL HEALTH CENTER, 1235 E. Cherokee, Springfield, MO 65804, 417-885-2946.

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Progressive 434-bed acute care facility has an opening for a Supervisor & Staff Technologist. St. Anthony's Hospital is located on the Sun Coast in the Tampa Bay area of Florida. Technologist position requires national and state licensure. Experience in RIA, imaging, spect and nuclear cardiology preferred. Call rotation required. Supervisory position requires previous experience in management as well as technical duties listed above. Excellent fringe benefits package including newly revised salary scale. Send resume or call: Director of Human Resources,

Q.5 St.Anthony's Hospital

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Please submit a resume to Human Resources Dept., Mercy Hospital & Medical Center, 4077 Fifth Avenue, San Diego, CA 92103-2180, (619) 260-7072. EOE m/f/h/v



Mercy Hospital and Medical Center



Nuclear Medicine Technologist

Yuma Regional Medical Center is a 283-bed acute care facility with over 900 employees and 100 physicians. As the sole provider of hospital care in our area, we're constantly modernizing our equipment and facilities to provide quality care and the most satisfying work environment for our staff. We're currently looking for a highly motivated, Nuclear Medicine Technologist to join our team.

In this lead position, you will be responsible for patient examination as well as fulfilling the monitoring and record keeping requirements in our busy, dynamic department. We presently have a Picker Dyna camera and Adac computer in our department and we're looking to expand with Spect. Experience is preferred. You must be registered or registry eligible by the NMTCB.

We offer nationally competitive salaries and comprehensive benefits, including medical, dental, vision and life insurance; relocation assistance; paid leave time to cover sick days, vacations and holidays; tax-sheltered annuity programs; and a retirement plan. For consideration, please send your resume to: Yuma Regional Medical Center, Dept. JNM789, 2400 Avenue A, Yuma, AZ 85364. Equal Opportunity Employer.

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Yuma Regional Medical Center

TECHNOLOGISTS

Nuclear Medicine

Loyola University Medical Center has immediate full-time and part-time openings for staff nuclear medicine technologists who are registered by the NMTCB, ARRT, ASCP, or are registry-eligible. Successful applicants must be eligible for licensure in Illinois. Extensive orientation will be provided in our state-of-the-art in vivo (Imaging) area which includes a cardiac stress lab, in-house radiopharmacy, five SPECT cameras, Pho/Con, Capintec Cardiac vest monitor, Lunar DPX bone densitometer, and nuclear medicine (MDS, Siemens and VAX) computers.

A comprehensive benefits package includes extensive in-service training and access to THE NUCLEAR NETWORK. For further information, please contact:

Fran Hlavin, Human Resources

Loyola University Medical Center,

2160 South First Avenue Maywood, IL 60153 or telephone (312) 531-3242.

BROOKHAVEN NATIONAL LABORATORY

Nuclear Medicine Technologist

Brookhaven National Laboratory, one of the nation's leading R&D facilities, has an immediate position available for a Nuclear Medicine Technologist.

The qualified candidate must have a BS degree in biology, chemistry, physics, nuclear medical technology or the equivalent. Must be registered by the American Association of Radiologic Technologists (AART) or the Nuclear Medicine Technician Certifying Board (NMTCB), or at a minimum, be registry eligible. Experience should include 3-5 years clinical imaging experience, including single proton emission computer tomography (SPECT). Research and experience working with animals is highly desirable.

Benefits include 24 vacation days annually, comprehensive medical, dental and retirement plans. For further information, please call (516)282-2703 or send a resume including salary history and requirements to: Jeffrey W. Taylor, AD® MedTech, Brookhaven National Laboratory, Associated Universities, Inc., Personnel Division, Bldg. 185, Upton, New York 11973. Equal Opportunity Employer m/f.



Burlington, Vermont



Nuclear Medicine Technologists

The Medical Center Hospital of Vermont is expanding its nuclear cardiology service and has several positions open for qualified candidates. ARRT/MMTCB certification and nuclear cardiology experience preferred or registry eligible from an approved school of nuclear medicine. The Nuclear Medicine Department is located in a new modern wing of the hospital. We are currently purchasing two new cameras to compliment our state-of-the-art department. Along with competitive salary and excellent benefits, you will have an opportunity to participate in the University of Vermont School of Nuclear Medicine. Some relocation expenses provided.

MCHV is a 500-bed tertiary care teaching hospital located on beautiful Lake Champlain in the heart of Green Mountain ski country. Year round recreational, cultural and educational opportunities are available. Please send resume or contact Jean Ransom, Human Resources Department, MCHV, Burlington, VT 05401, 802-656-2825 or 1-800-722-9922.



Medical Center Hospital of Vermont

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ASSISTANT CHIEF NUCLEAR MEDICINE TECHNOLOGIST

St. Joseph's Hospital Health Center is currentlylooking to fill a full time Assistant Chief position within our expanding department. Our department is equipped with state-of-the-art computer and 4 imaging systems including SPECT. Prior to the end of the year the Nuclear Medicine Dept. will be relocating to a newly renovate section allowing installation of our second SPECT system.

The perspective candidate must be certified/registered by the N.M.T.C.B. or A.R.R.T. respectively. The individual will be assisting with the overall management of the department, consisting of 9 full time employees.

Our technologists enjoy excellent salaries and comprehensive benefits. If you are interested we'd like an opportunity to share more about what we have to offer you in your pursuit in a challenging and rewarding career.

Please contact either by phone or by forwarding your resume to Personnel Dept., St. Joseph's Hospital Health Center, 301 Prospect Ave., Syracuse, N.Y. 13203. (315) 448-5575.

An Equal Opportunity Employer

St. Joseph's Hospital Health Center

14th Annual Western Regional Meeting October 19–22, 1989 Monterey, California

The Doubletree Inn has been selected as the headquarters hotel for the annual combined meeting of the Northern California, Southern California, Pacific Northwest, Hawaii and Rocky Mountain Chapters.

SCIENTIFIC PROGRAM

Categorical and refresher courses, with lectures given by invited speakers, will feature the following topics: Cardiology, Neurology, Oncology, Pediatrics, GI, Endocrinology, PET, Monoclonal Antibodies and Pharmacological Interventions. The 3½ day single track format will also include scientific papers and posters and case presentations.

COMMERCIAL EXHIBITS

An extensive display of equipment, publications and radiopharmaceuticals by over 40 commercial manufacturers will provide attendees additional opportunity to become familiar with the latest developments in the field of Nuclear Medicine.

REGISTRATION FEES

Physicians/Scientists \$125 Technologists \$ 50 Residents \$ 60

For more information contact the Western Regional Office, P.O. Box 2189, Roseville, CA 95746

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The Cleveland Clinic Foundation, internationally recognized for its leadership in quality patient care, education and research, is seeking an individual to work under the supervision of the Director of Nuclear Chemistry. Candidate will be responsible for operating the nuclear pharmacy laboratory by receiving, storing, formulating, dispensing and disposing of radiopharmaceuticals as required by federal and state regulations.

Additional responsibilities include performing sterility and pyrogen testing on all radiopharmaceuticals that are prepared in the laboratory, maintaining required records for pharmaceutical preparation, dose calculation and disposal, and assist in experimental studies in the research and development of radiopharmaceuticals. Candidate will also train technologists and residents in radiopharmacy.

Qualified candidates must possess a Bachelor of Science in Chemistry or Pharmacy with a minimum of 1 to 2 years' related work experience preferably in radiopharmacy or radiopharmaceutical chemistry. Excellent salary and benefit program. Send resume to Patricia Portaro, Staffing Manager, The Cleveland Clinic Foundation, One Clinic Center, 9500 Euclid Avenue, Cleveland, Ohio 44195.

THE CLEVELAND CLINIC **FOUNDATION**



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Greater New York/ New England Chapters

5th Annual Scientific Meeting October 20-22, 1989 Philadelphia, PA

Registrants and Exhibitors contact:

Mitchell H. Strommer 360 Cedar Lane East Meadow, NY 11554

(212) 904-4180

EUROPEAN ASSOCIATION OF NUCLEAR MEDICINE **CONGRESS 1989**

AUGUST 28 - SEPTEMBER 1 STRASBOURG, FRANCE

SCIENTIFIC PROGRAM

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

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

Clinical science applications: Cardiology and Circulation, Bone/Joint Diseases, Pulmonary Diseases, Neurology, Nephrology, Hematology, Endocrinology, Pediatrics, Gastroenterology, Oncology, Immunology, Infectious Diseases

Physical science—basic research: Computers and Data Analysis, NMR: Imaging and In Vivo Spectroscopy, Dosimetry, Radiobiology, Instrumentation

Laboratory science and in vitro applications: Radioassay, Tumor Markers, Cell Labeling, Genetic Engineering

Radiopharmacoutical: General, Halogens, Positrons, Proteins/Antibodies, Technetium

EXHIBITION

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

Registration and fees:

Non-Members of European Association of Nuclear Medicine: By June 15 the registration fee for non-members will be 1425 FF, VAT included. After June 15 the registration fee for non-members will be 1780 FF, VAT included.

Members of European Association of Nuclear Medicine: If EANM member fees are registrated by April 1: no Congress fee. If EANM member fees are registrated after April 1: full Congress fee must be paid minus 120 DM (membership fee), i.e.:

-925 FF, VAT included, by June 15, 1989 -1280 FF, VAT included, after June 15, 1989

Social Program

A comprehensive social program has been planned, including the Opening Ceremony with a concert and welcome cocktail (free of charge), a concert in the Cathedral of Strasbourg, a folkloric evening in the Alsatian vineyard (Riquewhir), a dinner dance in the Pourtales Castle near Strasbourg, and the Farewell Party in the Orangerie Gardens.

Accompanying persons' program: Numerous and attractive excursions and activities are planned.

PRESIDENT OF THE CONGRESS: Prof. Jacques Chambron

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EXAMPLES

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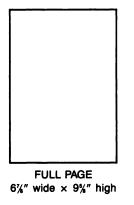
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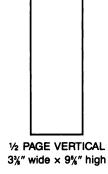
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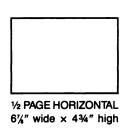
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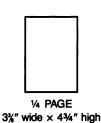
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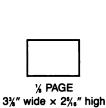
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PC-Based MCA

The 919 Spectrum Master is the latest NIM addition to EG&G Ortec's line of multi-channel analyzer products. When interfaced to a personal computer, and used in conjunction with the New Maestro II MCA Emulation software, a modular MCA of power and flexibility results. The Model 919 incorporates a 16K-channel ADC, 4-input multiplexor-router, digital stabilizer, and 64K channels of non-volatile data memory. It may be configured for four inputs at low-to-moderate countrates, each with its own conversion gain, presets, and start/stop control. Alternatively, the 919 may be configured as a single-input, digitally-stabalized MCA that can handle from low to ultra-high count-rates. EG&G Ortec, 100 Midland Rd., Oak Ridge, TN 37831-0895. (615) 482-4411

Circle Reader Service No. 101

Computer Network for PET Systems

Scanditronix, Inc. has incorporated a new computer network into its positron emission tomography systems. Using Local Area VAX cluster software, Scanditronix has integrated the DEC Workstation 3100 into its systems. As a result, Scanditronix has the same software in up to 12 work stations. Each work station uses DEC X Window Standards. A MicroVax 3600 File

Server acts as the host for the network, thereby ensuring that each component is compatible. As a result, the network allows users to upgrade their software via the host without having to upgrade the entire system. This allows the user great flexibility and capacity for future expansion. Since the Scanditronix network is connected by Ethernet, it can be accessed from anywhere in the user's institution. A referring physician, for example, can use a personal computer in his office to review images stored in the host computer in the PET center. Scanditronix, Inc., 106 Western Ave., Essex, MA 10923. Attn. Steven Kendall. (508) 768-6994.

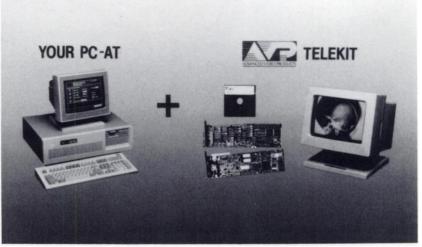
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Explosion-Proof Disposal System

The popular Vyleater disposal system for vials and other small containers is now available with explosion-proof electric motors and controls. This makes it ideal

for laboratories using petroleum distillates, volatile solvents, or other highly flammable materials. Through an action that combines crushing with liquid/solids separation, the Vyleater greatly reduces disposal costs for industrial, medical, and research laboratories using large quantities of glass or plastic vials or other small containers. With the Vyleater, there is no need to empty liquid before disposal. As the containers are crushed, liquids are automatically drained off into a secure barrel for subsequent disposal. Solids, reduced to a fraction of their original bulk with up to 95% of the liquids removed, are deposited in a 55 gallon drum. With the explosion-proof option, both the Vyleater's main motor and the one driving its unique internal fume-exhaust system are Class 1, Group D explosion-proof. Controls are housed in a NEMA 7 explosion-proof cabinet. S & G Enterprises, Inc., 5626 N. 91st St., Milwaukee, WI 53225. 1(800)233-3721.

Circle Reader Service No. 103



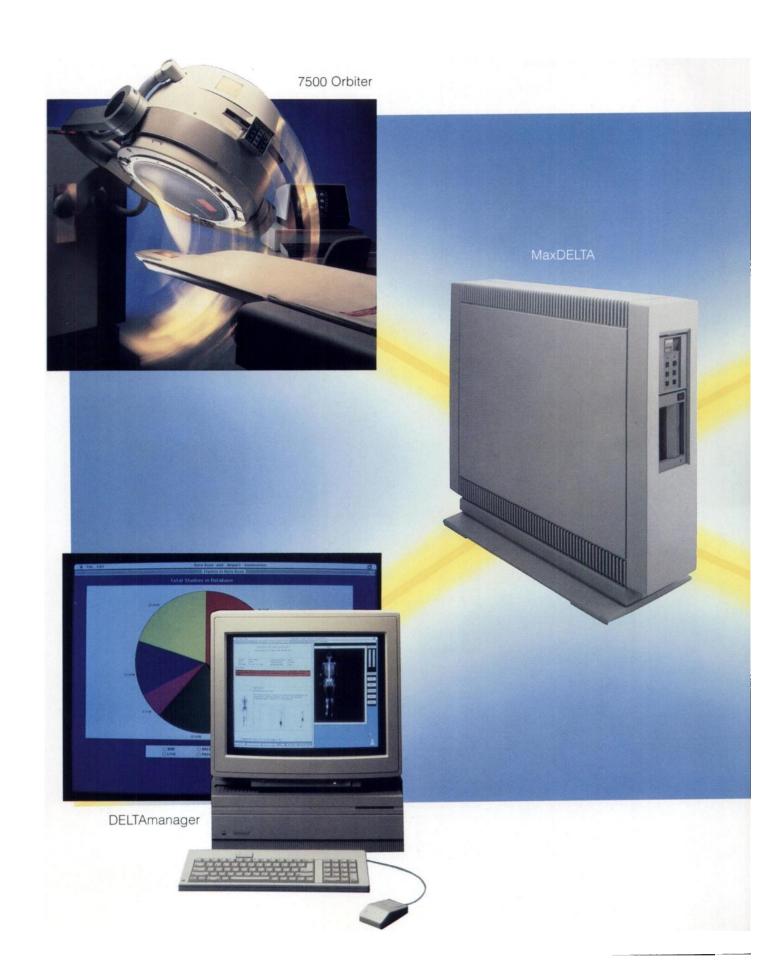
Teleradiology Kits

Advanced Video Products, Inc. announces the availability of a 1280 × 1024 resolution display version of their popular teleradiology kits. The Telekit 1280 is designed to turn an existing IBM PC-AT or compatible into a high resolution display station. This easy to install kit includes the necessary equipment and software to transform a home computer into a display link in an AVP teleradiology system. The Telekit 1280 can receive and display images from any other AVP workstation, and also has the capability to manipulate, store, or transmit the 1280×1024 resolution × 256 shades of grey images easily and efficiently. 60 Hz non-interlaced 19"

display monitor, high speed 19.2K bps internal modem to transmit images, and a high performance display board are featured with this kit. AVP software allows key features such as reception of multiple images while viewing individual images; display of up to 16 images simultaneously; user selectable data compression; unattended operation for total freedom; compatibility to AVP's complete product line. Installation of this do-it-yourself project is easy and requires no previous experience with the inside of a computer. AVP Concord, 30 Domino Dr., Concord, MA 01742. (508)371-7130.

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SIEMENS



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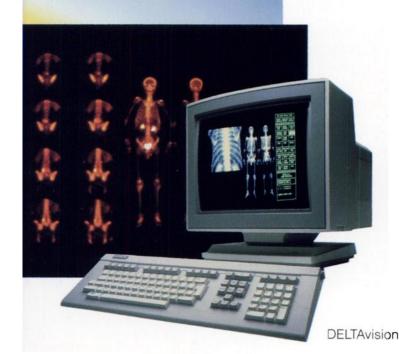
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