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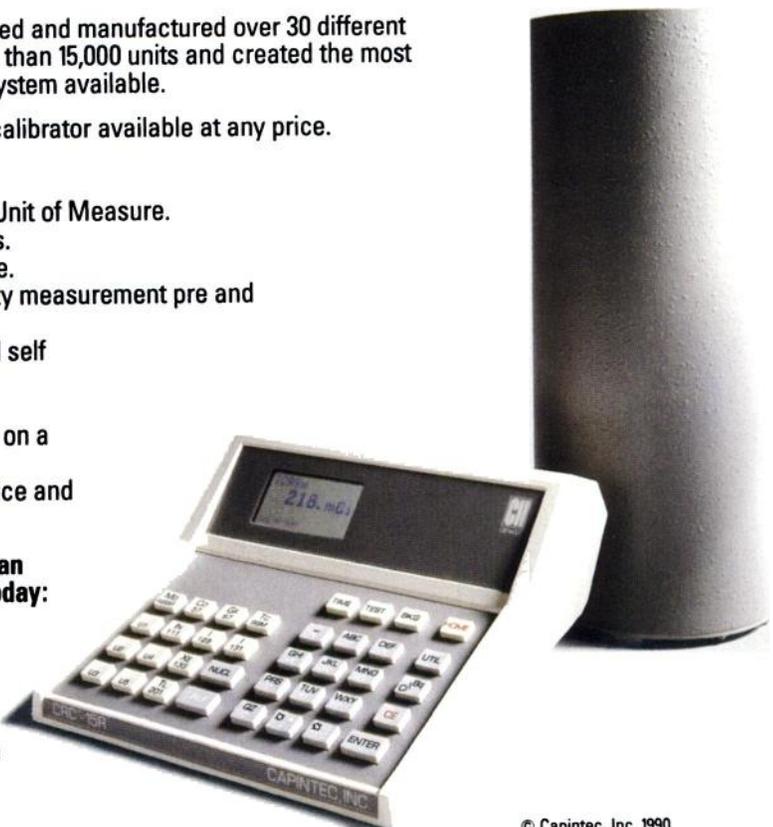
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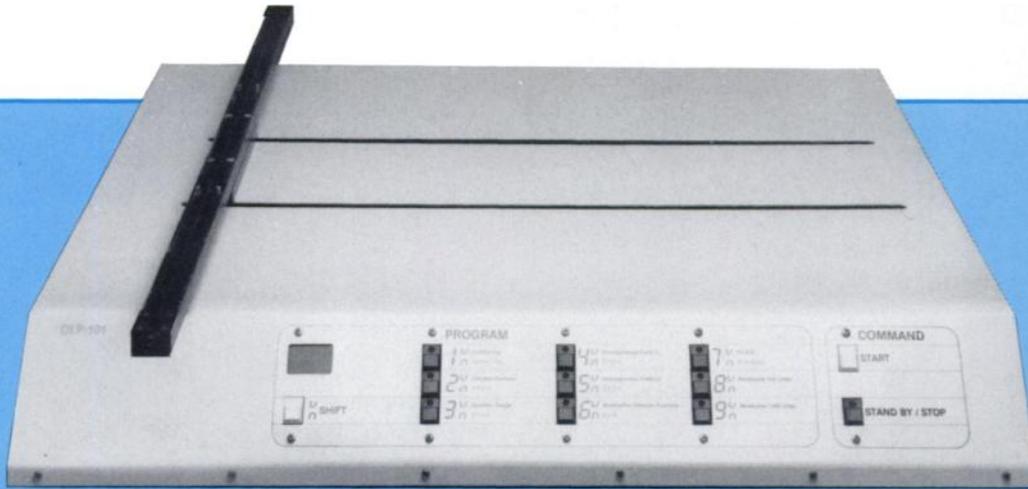
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- **Makes current phantom/flood QA testing of gamma camera systems obsolete!**
- **Eliminates the need for most conventional phantoms!**
- **Greatly reduces exposure to personnel during flood QA testing!**

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The Dynamic Line Phantom is the only instrument that will provide a true and accurate flood uniformity test for gamma cameras...a necessity in SPECT imaging!

This new phantom uses the principle of a thin line source transversing the camera. Using microprocessor technology, it can simulate a number of different phantoms. It can provide direct measurement of the Modulation Transfer Function, can evaluate collimator operation, and check the complete imaging system — camera, interface, processing, display.

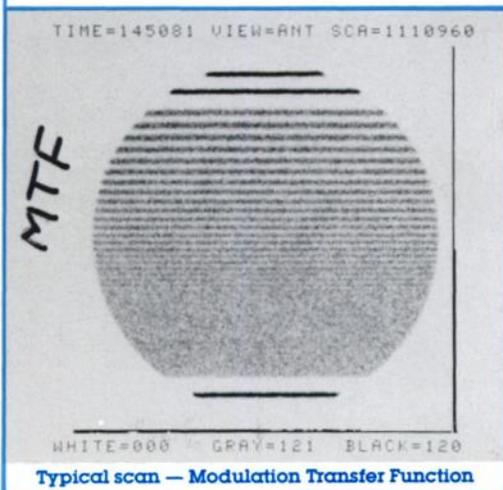
Conventional phantoms such as flood, quadrant bar, PLES, orthogonal hole, flood sources, Hine-Duley, BRH test patterns, and more, have been incorporated into the Dynamic Line Phantom which is preprogrammed to perform 16 quality assurance tests.

For more details, request Bulletin 436-35

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TOSHIBA GCA-9300A Digital Gammacamera



TOSHIBA advanced engineering and electronics have led to the practical innovations inherent to the GCA-9300A. Compact in design with improved overall performance, the GCA-9300A delivers unparalleled diagnostic results.

TOSHIBA has developed a sophisticated 3-rectangular field detector system for SPECT data acquisition that has proven stability even for extended periods. Interchangeable fan beam and parallel hole collimators respond to the exacting needs of brain and whole body SPECT imaging with

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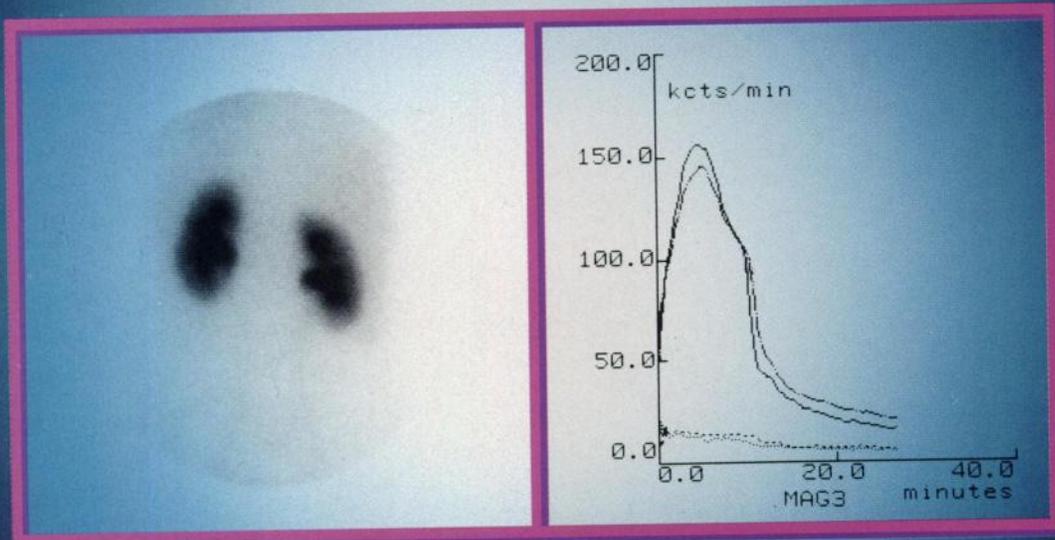
Simplicity and efficiency in gantry design assures proper OM line setting with the OM angle automatically read through the CPU. Safety and comfort are major factors in the design of the motorized table that allows easy patient access and quick patient throughput.

The TOSHIBA GCA-9300A Digital Gammacamera has the technology, performance and reliability necessary for total SPECT data acquisition.



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Introducing a new renal agent that gives you both...



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Superior imaging quality
TECHNESCAN MAG3™ will redefine quality renal imaging for you. In comparative studies with I-131 OIH (iodohippurate sodium I-131 injection), image quality with TECHNESCAN MAG3™ was uniformly superior.^{1,2} TECHNESCAN MAG3™ offers high renal extraction efficiency and minimal extrarenal excretion.

The first Tc99m-based tubular function agent
The renal clearance of TECHNESCAN MAG3™ is similar to that of iodohippurate, which makes it a suitable alternative to I-131 OIH for renal function studies. Renogram curves obtained with TECHNESCAN MAG3™ were comparable to those seen



with I-131 OIH in comparative studies.^{1,2}

The advantages of technetium

As a technetium-labeled agent, TECHNESCAN MAG3™ offers key advantages over I-123 OIH or I-131 OIH. These include ready availability in cold-kit form, much shorter half-life (6.02 hours, vs 13.13 hours for I-123 and 8.04 days for I-131), and

lower radiation dose per mCi administered.
(Total body absorbed dose [rad/mCi]:
Tc99m = 0.0027, I-131 = 0.039, I-123 = 0.023.)
The typical dose of TECHNESCAN MAG3™ required in renal function and imaging studies is 5 to 10 mCi.

Complete imaging with one agent
If you've been looking for a renal imaging agent that combines the safety and convenience of technetium with the physiological properties of iodohippurate, TECHNESCAN MAG3™ is for you. No other renal agent can match its versatility.

NEW
TECHNESCAN
MAG3™

Kit for the Preparation of Technetium Tc99m Merteiatide

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Please see the following page for references and brief summary of prescribing information.

L I N C K R O D T

IN A FOG??

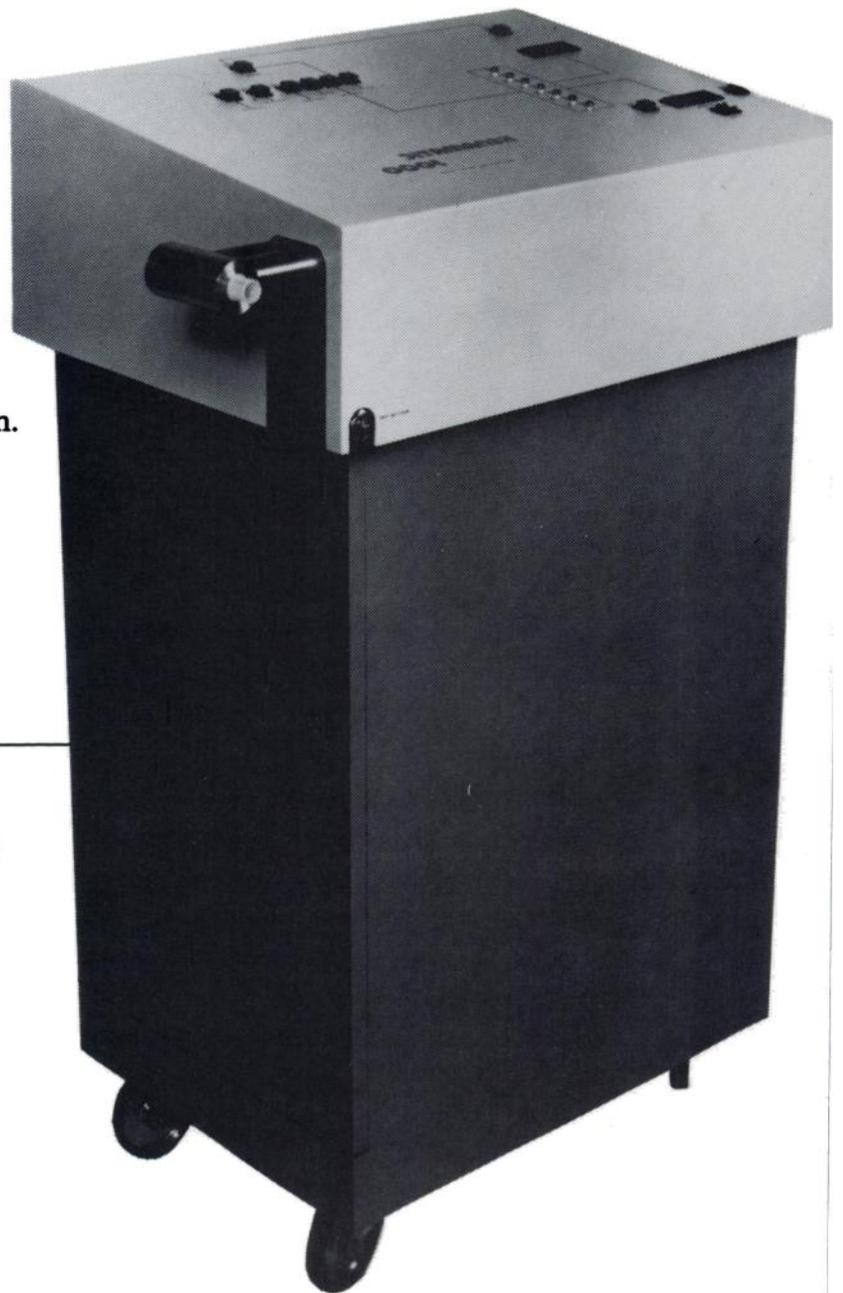
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TECHNISCAN MAG3™

Kit for the Preparation of Technetium Tc99m Mertiattide

INDICATIONS AND USAGE

Technetium Tc 99m mertiattide is a renal imaging agent. In addition, it is a diagnostic aid in providing renal function, split function, renal angiograms and renogram curves for whole kidney and renal cortex.

CONTRAINDICATIONS None known.

WARNINGS None known.

PRECAUTIONS

General

The contents of this kit are not radioactive. However, after sodium pertechnetate Tc 99m is added, adequate shielding of the final preparation must be maintained.

Contents of the reaction vial are intended only for use in the preparation of technetium Tc 99m mertiattide and are NOT to be administered directly to the patient.

To help reduce the radiation dose to the bladder, as well as other target organs, the patient should increase his or her fluid intake (unless medically contraindicated) and void as often as possible after the injection of technetium Tc 99m mertiattide for six hours after the imaging procedure.

Technetium Tc 99m mertiattide should not be used more than six hours after preparation.

The components of the kit are sterile and nonpyrogenic. It is essential that the user follow the directions carefully and use aseptic procedures normally employed in making additions and withdrawals from sterile, nonpyrogenic containers during the addition of pertechnetate solution and the withdrawal of doses for patient administration.

The technetium Tc 99m labeling reactions involved in preparing Techniscan MAG3™ depend on maintaining the stannous ion in the reduced state. Any oxidant present in the sodium pertechnetate Tc 99m may adversely affect the quality of the radiopharmaceutical. Therefore, sodium pertechnetate Tc 99m containing oxidants should not be employed.

As in the use of any other radioactive material, care should be taken to insure minimum radiation exposure to the patient and to occupational workers.

Radiopharmaceuticals should be used only by physicians who are qualified by specific training in the safe use and handling of radionuclides produced by nuclear reactor or particle accelerator and whose experience and training have been approved by the appropriate government agency authorized to license the use of radionuclides.

Carcinogenesis, Mutagenesis, Impairment of Fertility No long term animal studies have been performed to evaluate carcinogenic or mutagenic potential, or whether this drug affects fertility in males or females.

Pregnancy Category C Animal reproduction studies have not been conducted with technetium Tc 99m mertiattide. It is also not known whether this drug can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. Technetium Tc 99m mertiattide should be given to a pregnant woman only if clearly needed.

Ideally, examinations using radiopharmaceuticals, especially those elective in nature, of a woman of childbearing capability should be performed during the first few (approximately 10) days following the onset of menses.

Nursing Mothers Technetium Tc 99m is excreted in human milk during lactation, therefore, formula feedings should be substituted for breast feeding.

Pediatric Use Safety and effectiveness in children have not been established.

ADVERSE REACTIONS None known.

RADIATION DOSIMETRY The estimated radiation doses¹ to the average adult (70 kg) from an intravenous administration of 185 MBq (5 mCi) and 370 MBq (10 mCi) technetium Tc 99m mertiattide are presented in Table 1. These radiation absorbed dose values were calculated using the Medical Internal Radiation Dose Committee (MIRD) Schema.

Table 1

ESTIMATED ABSORBED RADIATION DOSES*
Technetium Tc 99m Mertiattide

Organ	mGy/ 185 MBq	(rads/ 5 mCi)	mGy/ 370 MBq	(rads/ 10 mCi)
Urinary Bladder Wall	24	2.4	48	4.8
Upper Large Intestine Wall	0.94	0.094	1.9	0.19
Gallbladder Wall	0.81	0.081	1.6	0.16
Lower Large Intestine Wall	1.6	0.16	3.3	0.33
Kidneys	0.72	0.072	1.4	0.14
Small Intestine	0.81	0.081	1.6	0.16
Ovaries	1.3	0.13	2.6	0.26
Liver	0.18	0.018	0.36	0.036
Red Marrow	0.24	0.024	0.48	0.048
Testes	0.81	0.081	1.6	0.16
Total Body	0.33	0.033	0.67	0.067

* Assuming patient voids at 4.8 hour intervals

¹Oak Ridge Associated Universities, Oak Ridge, Tennessee

References:

1. Taylor A Jr, Eshima D, Christian PE, Milton W. Evaluation of Tc-99m mercaptoacetyltryglycine in patients with impaired renal function. *Radiology*. 1987;162:365-370.
2. Ducret RP, Boudreau RJ, Gonzalez R, et al. Clinical efficacy of 99m technetium mercaptoacetyltryglycine kit formulation in routine renal scintigraphy. *J Urol*. 1989;142:19-22.



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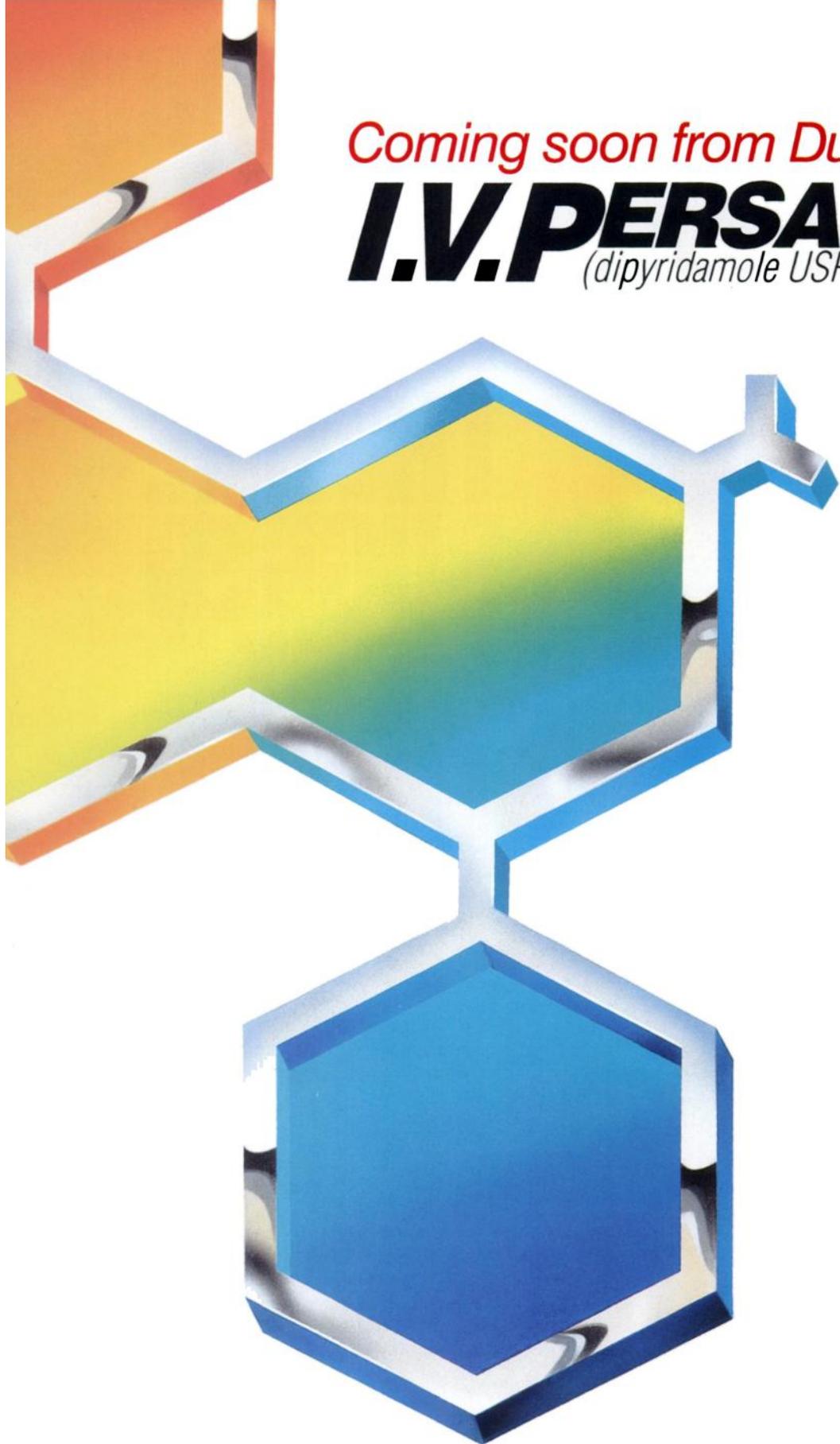


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in on-going clinical trials at nearly 50 institutions throughout the United States. These trials, utilizing monoclonal antibody technology including OncoTrac® products, continue to set NeoRx apart in the development of novel cancer detection and treatment methods.

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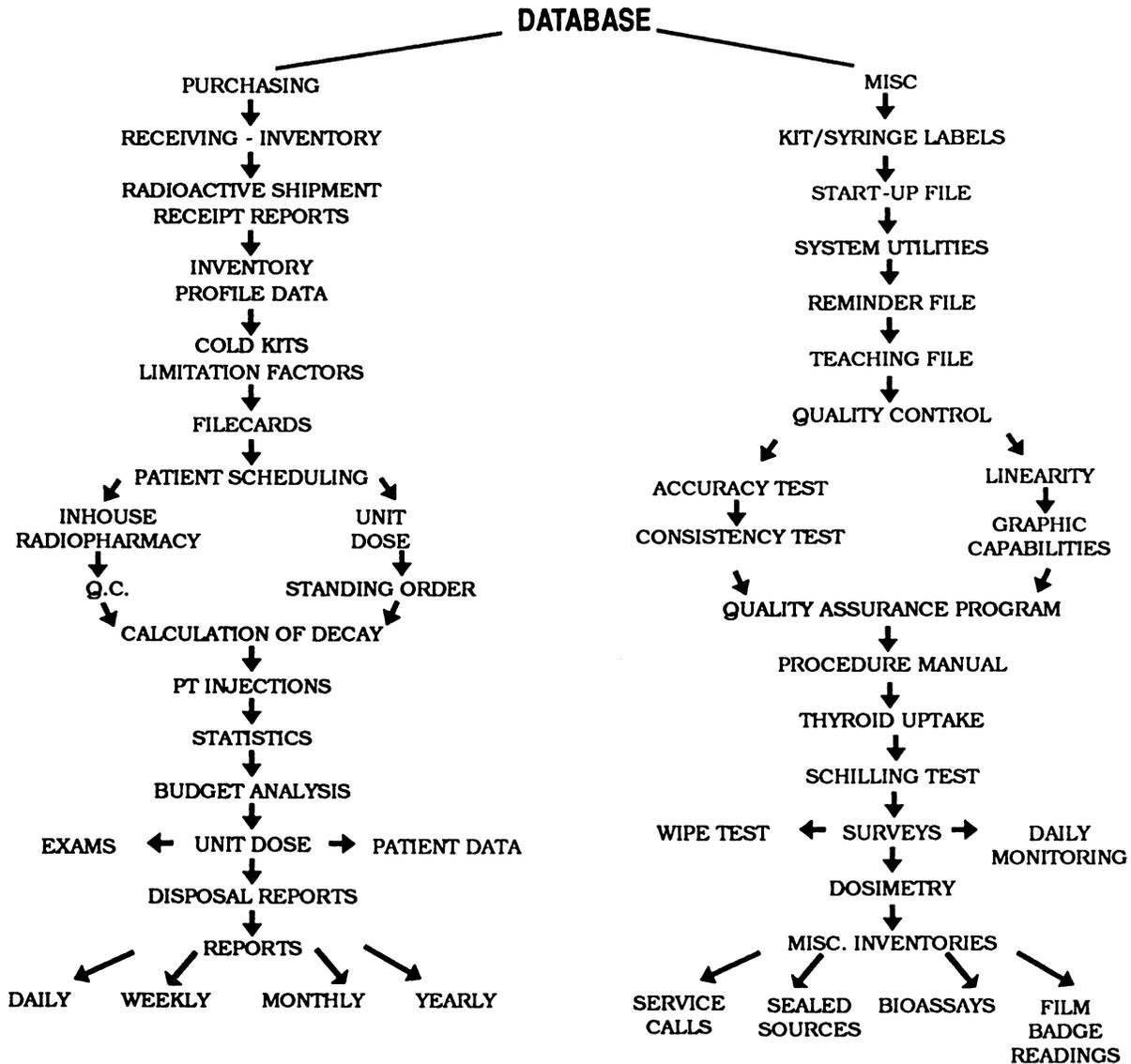
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Contributing Authors: Susan Gilbert, Adrian D. LeBlanc, Robert Schleipman, James E. Silvers, Donald E. Widmann, Brenda Woods.

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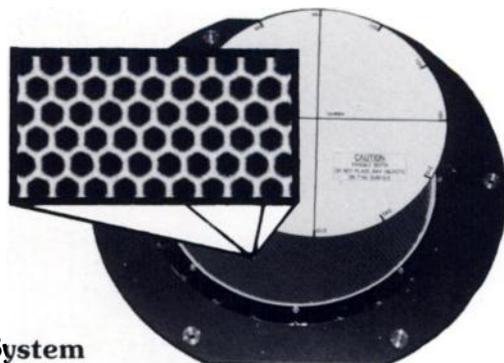
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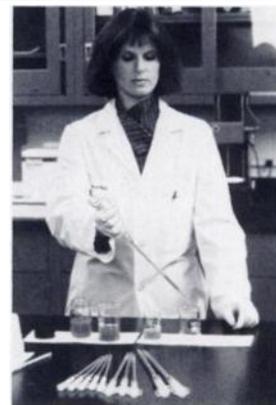
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Policy—The *Journal of Nuclear Medicine* accepts classified advertisements from medical institutions, groups, suppliers, and qualified specialists in nuclear medicine. Acceptance is limited to Positions Open, Positions Wanted, and Equipment. We reserve the right to decline, withdraw, or modify advertisements that are not relevant to our readership.

Rates for Classified Listings—\$17.00 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.

Rates for Display Ads—Agency commissions are offered on display ads only.
 Full page \$1200 Quarter page \$470
 Half page 710 Eighth page 400

Publisher-set charges: page \$100; half page \$75; quarter page \$40; eighth page \$25.

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

Deadline—first of the month preceding the publication date (January 1 for February issue). Please submit classified listings typed double spaced. No telephone orders are accepted.

Send copy to:
 Classified Advertising Department
 The Society of Nuclear Medicine
 136 Madison Avenue
 New York, NY 10016-6760
 (212) 889-0717
 FAX: (212) 545-0221

Positions Available

Computer Programmer

MATHEMATICAL/STATISTICAL-MODELING PROGRAMMER. Recent MS in statistics with graduate work in computer science. At least 2 years experience in: statistical analysis using SAS, BMDP, SPSSX; use of IBM-compatible PC alone and to interact with CMS and VMS mainframe environment; structured and object-oriented programming in FORTRAN (also using IMSL, Pascal, ADA BASIC); software engineering for parameter estimation in noisy nonlinear multi-compartment systems in nuclear medicine with PET scan data; LOATS imaging system for PET scans in nuclear medicine. Ability to work independently. Position offers excellent benefits. Send resume with salary expectations, referring to position 90M2349, no later than August 31, 1990, to Don Horan, School of Medicine, The Johns Hopkins University, 1830 E. Monument Street, Baltimore, MD 21205. M. F. H.

Faculty

The Division of Nuclear Medicine, Oregon Health Sciences University, Portland, Oregon, invites applications for a FACULTY position available immediately either part-time in nuclear medicine or full-time divided between nuclear medicine and another division of diagnostic radiology. Board certification in nuclear medicine is required. Send CV to Richard W. Katzberg, MD, Chairman, or Jeffrey S. Stevens, MD, Department of Diagnostic Radiology, UHN72; Oregon Health Sciences University; 3181 SW Sam Jackson Park Road, Portland, OR, 97201-3098. OHSU is an affirmative action, equal opportunity employer.

Medical College of Virginia/Virginia Commonwealth University, Department of Radiology, Division of Nuclear Medicine seeks an ABNM eligible or certified physician to fill a FACULTY POSITION. MCV and the McGuire VA Medical Center have approximately 1,800 beds total with new and modern nuclear medicine facilities which have state-of-the-art imaging and computer technology and basic research labs. Successful applicant will have clinical and teaching responsibilities at both hospitals and ample opportunity for research activities. Reply to: A.V. Proto, MD, Medical College of Virginia, Box 470, Rich-

mond, VA 23298-0470, (804) 786-7212. VCU/MCV is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

Physician

NUCLEAR MEDICINE PHYSICIAN. The Permanent Medical Group's Santa Clara facility is currently seeking a Nuclear Medicine Physician for this full-time position to join our staff of two MDs. Our teaching hospital has academic affiliation with Stanford University, and is active in SPECT. We require experience in thyroid disease. For more information, call Norton Snyder, MD at (408) 236-4590 or send your CV to Kaiser Foundation Hospital, 900 Kiely Blvd., Santa Clara, CA 95051. EOE.

CARDIAC NUCLEAR MEDICINE PHYSICIAN. Faculty position available for physician BC/BE Nuclear Medicine with Internal Medicine B.C. Position combines 0.5 FTE faculty Nuclear Medicine position with a Cardiology Fellowship which will lead to certification by the American Board of Cardiology. Established funded research programs in basic and clinical Nuclear Cardiology are in place. Over 4,500 Nuclear Medicine procedures and 600 cardiac catheterizations per year. An equal opportunity affirmative action employer. Contact Charles A. Barnett, MD, Nuclear Medicine Service (115), VA Medical Center, 150 Muir Road, Martinez, California 94553. (415) 372-2000.

NUCLEAR MEDICINE/IMAGING. Six person radiology practice has an opening for a physician with FRCPC in Nuclear Medicine or eligibility to write the examination. This should be combined with ultrasound experience or with a fellowship in Diagnostic Radiology. The department has two fluoroscopic rooms, a CT scanner, three ultrasound units and two gamma cameras, one of which will be replaced this year. Kamloops is a city of 65,000 in a high sun, low rainfall area with world class skiing and excellent fishing nearby. A competitive salary is offered with early full partnership for the suitable applicant. Reply to Drs. McKeown, Goff, or Sprague, X-Ray Department, Royal Inland Hospital, 311 Columbia Street, Kamloops, BC V2C 2T1, Canada. (604) 374-5111.

Radiologist

Nuclear Medicine SECTION HEAD. Board Certified Radiologist with Certification or special competence in NM to assume role of section head of NM in a busy, active department that includes SPECT, monoclonal antibody imaging, and is fully computerized. Five years of post-training clinical practice and managerial experience preferred. Spend 50-60% of time in NM, and the balance in other areas of diagnostic radiology. Ultrasound skills and interests desirable. Our department provides services to a 230-person multi-specialty clinic and a 300-bed tertiary care hospital in downtown Seattle. We have a full residency training program and a School of Nuclear Medicine Technology. Interested applicants should send CV and references to Reiley Kidd, MD, Chief, Department of Radiology, Virginia Mason Clinic, 1100 9th Avenue, Seattle, WA 98111, or call (206) 223-6887. AA/EOE.

Radiopharmacist

Royal North Shore Hospital, Sydney, Australia. **RADIOPHARMACIST/RADIOCHEMIST** required to develop a new clinical in-house radiopharmacy service. The hospital is an 800-bed acute care teaching hospital affiliated with the University of Sydney and actively involved in various fields of medical research. The candidate should be a pharmacist or a scientist with experience in radiopharmacy and preparation of injectable sterile pharmaceuticals. Salary range: A\$23,898 to A\$45,740 per annum depending on qualifications and experience. Inquiries may be addressed to Dr. R. Hoschl, Director of Nuclear Medicine, or Miss Joy Hobbes, Director of Pharmacy. Phone: (02) 438 7111; Fax: (02) 438 8334. Applications in writing to the Human Resources Manager, Royal North Shore Hospital, St. Leonards, NSW 2065, Australia, by Friday August 31st, 1990.

NUCLEAR PHARMACIST. The University of New Mexico Radiopharmacy is now accepting applications until October 1, 1990 for a full-time staff Nuclear Pharmacist position. A BS in pharmacy with a minimum of 18 semester credit hours of course work (or equivalent)

in radiopharmacy, licensure in the state of New Mexico by December 1, 1990 and a minimum of one year experience as a registered pharmacist working in a centralized or hospital radiopharmacy are required. The successful candidate should exhibit superior skills in all aspects of radiopharmacy practice and be able to assume a major role in the hands-on teaching, operational and clinical duties of the UNM Radiopharmacy. The University of New Mexico is an Equal Opportunity Affirmative Action Employer. Inquiries along with a current curriculum vitae and three letters of reference should be forwarded to: Dennis Eshima, PhD, University of New Mexico, College of Pharmacy, Albuquerque, NM 87131.

Technologist

NUCLEAR MEDICINE SUPERVISOR: Position available at University of Illinois Hospital in Chicago. AART, NMTCB, or ASCP registry. Special opportunity, modern new equipment ordered, excellent fringe benefits, competitive salary. EO and AA employer. Send resume to: D. Pavel, MD, University of Illinois Hospital, P.O. Box 6998, M/C 931, Chicago, IL 60680.

PET NUCLEAR MEDICINE TECHNOLOGIST. The University of Michigan Medical Center. Stimulating position available as a PET Nuclear Medicine Technologist. Duties include imaging and analysis of scans of patients given position radiolabeled compounds. Familiarity with computers is desired. CNMT with a BS degree preferred. Interested applicants should submit two copies of their resume to: The University of Michigan Medical Center, Employment Office, 300 NIB, Room 8A07, Box 0422 (0I9037KH-NM), Ann Arbor, MI 48109/0422. A non-discriminatory, affirmative action employer.

NUCLEAR MEDICINE TECHNOLOGIST. Full time position available in out-patient imaging center. 40 hour week with no call or weekends. Competitive salary available with usual benefits. We are located in Southwest. Apply to: Sun View Imaging, P.O. Box 8624, Las Cruces, NM 88001, Attn: Charles Chapman. (505) 522-6236.

SENIOR NUCLEAR MEDICINE TECHNOLOGIST. Full-time career position in Nuclear Medicine. Performs a full range of nuclear medicine technology imaging and in vitro procedures. Qualifications include: Current certification/registration for ARRT, CNMT, or AFCP in Nuclear Medicine Technology; Experience with all applicable nuclear medicine scintigraphic instruments and computers; Salary: \$14.75-\$17.75/hour, (evening & night shift differential of \$.50). Please refer to job #591-90. Position will remain open until filled. Interviews may be held after 6/12/90. Please apply to: UC Davis Medical Center, Personnel Department, 2525 Stockton Blvd., Room 1021, Sacramento, CA 95816. Fax: (916) 734-3080. EOE M/F/H.

CHIEF NUCLEAR MEDICINE TECHNOLOGIST, Colorado Springs, CO. The Penrose—St. Francis Healthcare System is the largest provider of diversified healthcare services in the beautiful Pikes Peak region of Colorado (70 miles south of Denver). We currently have an opportunity for a Chief Nuclear Medicine Technologist, a full-time position working Monday—Friday plus on-call rotation. Must be registered by the NMTCB and the ARRT with three years of experience. Please send resume to: Betty Hatcher, HRD Dept. JNM, Penrose Hospital, 2215 N. Cascade Avenue, P.O. Box 7021, Colorado Springs, CO 80933. Or call (719) 630-5232. An Equal Opportunity Employer.

Positions Wanted

Attending physician, BE in NUCLEAR MEDICINE and PATHOLOGY seeks position. Reply to: H. Garcia, 261 Corbin Place, Brooklyn, NY 11235.

ABNM, IM BACKGROUND. Young male seeks relocation. Has thriving, proven private practice experience providing totally committed and diverse nuclear med. services (including SPECT). Special interest in cardiacs and thyroids. All offers and locations considered but prefers western states. Reply in strictest confidence: Box 701, The Society of Nuclear Medicine, 136 Madison Ave., NY, NY 10016.

ABNM Certified MD seeks clinical Nuclear Medicine position. Reply to: The Society of Nuclear Medicine, Box 702, 136 Madison Ave., New York, NY 10016.

Equipment

Diagnostic Photon Corp. **RADIOPHARMACY LIQUIDATION**. Must sell Building, Equipment, Inventory, and Supplies—\$1.5 million. Call Mrs. Levine at (305) 972-5006.

COLLIMATOR CLEARANCE: New G.E. 500 Series I¹³¹ capable of SPECT, \$3,600. Used Siemens 300 KeV Pinhole for counter balanced detector with cart, \$4,000. Used Elscint 409 APC-6 high energy with cart, \$3,000. All in excellent condition. Contact Diagnostix Plus, Inc., P.O. Box 437, New Hyde Park, NY 11040. (516) 742-1939. Fax: (516) 742-1803.

For sale: Technicare 420/550, ADAC's vertical CDS, system I, system III, DPS 2800. We offer the highest prices for all types of nuclear medicine cameras & computers. Call Franklin at Imaging Solutions (415) 924-9155.



NUCLEAR MEDICINE TECHNOLOGIST

Phoenix, AZ-Metro Area

A unique opportunity awaits a certified or registered Nuclear Medical Technologist at Thunderbird Samaritan Medical Center located in Glendale, AZ.

We are a 225 bed full service acute care facility which is a division of the Samaritan Health Services network. Our department has an active Nuclear Cardiology program, SPECT capabilities and does a full range of diagnostic and therapeutic procedures.

Benefits include relocation and tuition assistance, 401k plan, medical and dental plans, life insurance, paid time off and more.

Interested applicants should submit a resume to: Human Resources, Thunderbird Samaritan Medical Center, 5555 W. Thunderbird Road, Glendale, AZ 85306 or call (602) 588-5700.

Equal Opportunity Employer



Thunderbird Samaritan
Medical Center

Opportunities in PET

We're CTI... the leading worldwide supplier of products and services for the positron emission tomography market with a corporate mission to expand the clinical use of PET. Our strong partnership with **Siemens** and new collaboration with **IBA** have further enhanced our position as the international leader in PET. We offer career opportunities we consider very special: a technically-challenging product, the chance to contribute significantly to the success of a growing business, and a unique working environment.

We're seeking technically-trained specialists with PET, nuclear medicine and/or cyclotron experience for key positions in our Knoxville, Tennessee facility. Current openings include:

**Customer and Marketing Support
Cyclotron Engineering
Hardware Research and Development
Clinical Software Development
Regulatory Affairs**

CTI is located in Knoxville, Tennessee—an area with extensive educational, cultural, and recreational opportunities; a low cost-of-living; and high-quality, affordable housing. We offer a competitive compensation, benefits, and relocation package. Please send a current resume to: Jack Kreyling, Recruiting Specialist, CTI, 810 Innovation Drive, Box 22999, Knoxville, TN 37933. An Equal Opportunity Employer.



*We're looking for special people who
are looking for a special company...
perhaps we're looking for each other.*

Nuclear Medicine Imaging Opportunities at...



R.W. JOHNSON

PHARMACEUTICAL RESEARCH INSTITUTE

A Johnson & Johnson Company

This first-class worldwide pharmaceutical research organization is expanding and offers the following exciting opportunities with the Clinical Development Department at our 172-acre, campus-like site in suburban Philadelphia. Successful candidates will support the development of new biotechnology-derived imaging agents for the diagnosis of cardiovascular, infectious, inflammatory, and other disorders.

IMAGE PROCESSING SPECIALIST

Requires BS or equivalent and at least 5 years experience as a Nuclear Medicine Technologist including extensive background with nuclear medicine computers. Exceptional interpersonal skills needed to monitor image quality at investigational sites and assist in identifying/evaluating investigators. You will also develop computerized Digital Image Archive (DIA); determine specifications, evaluate vendors for the DIA; and augment/develop clinical imaging guides. 40% travel required.

CLINICAL RESEARCH ASSOCIATE

Requires BS in Life Sciences (MS desired) and at least 2 years experience in pharmaceutical or health-care field with emphasis in nuclear medicine, diagnostic imaging, radiopharmaceuticals or biologics development. Familiarity with PCs (DOS), Data Ease, Lotus and WordPerfect helpful.

You must be highly organized with excellent written communication skills since you will write protocols, design case report forms; analyze data; write clinical summaries; and prepare investigators' brochures. Good interpersonal skills required to manage specific investigative sites, monitor clinical studies, evaluate/recruit investigators and train/orient their staff to imaging studies, and negotiate and monitor grants. Initial travel up to 50% with eventual reduction to 30%.

We offer competitive salaries and the comprehensive benefits (including on-site fitness center) you would expect from a Johnson & Johnson Company. Please send resume including salary history and indicating position of your choice, to: J. Richardson, R.W. Johnson Pharmaceutical Research Institute, Welsh & McKean Roads, Spring House, PA 19477.

An Equal Opportunity Employer, M/F.

THE QUEEN
ELIZABETH
HOSPITAL



DIRECTOR (Senior Consultant Head of Unit) NUCLEAR MEDICINE

Salary: Senior Consultant/Consultant A\$61,528 - A\$81,790 plus allowances (managerial, on Call)(Limited right of private practice up to a maximum of 45% of salary).

The Queen Elizabeth Hospital seeks a Full-time Consultant Head of Department.

The Position: The Queen Elizabeth Hospital is a 613 bed Teaching Hospital associated with the University of Adelaide. There are University Departments of Medicine, Surgery, Psychiatry and Reproductive Medicine.

The Department of Nuclear Medicine is of moderate size and is accredited for post graduate training. A full range of nuclear medicine studies is performed. The QEH is South Australia's renal transplant centre and there is an academic department of cardiology.

Equipment: The Department has 2 gamma cameras with full computing facilities and a new camera/computer is expected this year.

Medical Staff: The staff positions are the Director (Head of Unit) a staff Nuclear Medicine physician (currently filled by a senior Registrar).

Qualifications: Eligibility for registration in S.A. as a specialist in Nuclear Medicine and membership of the NZ Association of Physicians in Nuclear Medicine.

Special Condition: An appropriate University Title will be supported by the Hospital. Limited rights of private practice are available.

Closing Date: 31st August, 1990.

Award: S.A. Medical Officers Award.

Enquiries: Dr. C.J. Kennedy, Director of Medical Services, telephone (08) 243 6619, ISD (618) 45 0222, Fax, (618) 243 6806.

Applications: The Director of Medical Services, The Queen Elizabeth Hospital, Woodville Road, WOODVILLE, S.A. 5011.

Enclosing a curriculum vitae and the names of 3 referees.

The Queen Elizabeth is an equal opportunity employer and maintains a predominantly smoke-free working environment

CH6194

Nuclear Medicine Technologist/Cardiology

At Yale New Haven Hospital, our environment is comprised of the most technically proficient, dedicated people in health care.

Right now we have a full time day shift opening in our Diagnostic Imaging Department for an individual whose duties will include routine cardiac nuclear medicine as well as research and isotope development. To qualify, you must be a graduate of an AMA approved program in Nuclear Medicine; AART, CNMT or registry eligible essential. At least 1 year experience in Nuclear Medicine reflecting knowledge of radiopharmaceuticals, technical equipment and imaging procedures necessary.

We offer a competitive salary and excellent benefits including:

- Recently Upgraded Salaries
- Innovative Career Ladder
- 33 Paid Time Off Days Each Year
- \$3,000 Tuition Rebate for New Grads
- Tuition Assistance
- Interview and Relocation Assistance

For consideration, please send resume with salary history to: Maureen Egan, Yale New Haven Hospital, 20 York Street, New Haven, CT 06504. Minority candidates are encouraged to apply. An EOE/AA M/F/HV.

**Yale New Haven
Hospital**

Traditionally, Ahead of the Times

BROOKHAVEN NATIONAL LABORATORY

Nuclear Medicine Physician/Scientist

Applications are invited for a BC/BE Nuclear Medicine Physician with an interest in epidemiology. The duties of the successful candidate will be split between sharing responsibilities for the Marshall Islands Medical Program, and participating in preclinical and clinical nuclear medicine research. The Marshall Islands Medical Program, now in its 36th year, represents a unique medical practice. Marshallese, exposed to fall-out radiation in 1954, receive medical care from the BNL Medical Department staff. Clinical activities are carried out biannually on a medically-equipped ship.

The nuclear medicine research involves quantitative SPECT, whole body imaging and quantitative autoradiography for the development of new imaging procedures, radiopharmaceuticals and imaging technology. The BNL Medical Department has a strong radiopharmaceutical research program. An adjunct appointment in the School of Medicine, State University of New York at Stony Brook (SUNY/SB), is possible. A joint BNL-SUNY/SB Radiation Therapy Facility, located in the Clinical Research Center of the BNL Medical Department, will be operational in 1991.

Interested candidates should submit a curriculum vitae, a list of at least three professional references, and a statement of research interests to: Dr. A.D. Chanana, Medical Department, Brookhaven National Laboratory, Associated Universities, Inc., Upton, L.I., New York 11973. Equal opportunity employer M/F.



The Patrick Grove Memorial Fellowship

For research into clinical diagnostic and therapeutic work with radionuclides. Amersham International has funded this Fellowship to encourage young men and women to pursue original work in the United Kingdom. Applications are invited from heads of departments and others in appropriate administrative positions in the United Kingdom or from individuals world wide (who should enclose a supporting letter from the United Kingdom department in which they wish to work).

The application should include a full curriculum vitae of the candidate, who should be a medical or non-medical graduate. It should state the purpose, background, and plan of investigation of the projected research and explain how this would fit into existing and projected work in the parent department.

This Fellowship is for three years and will cover salary and "on costs" in the region of £20,000 pa together with modest departmental expenses.

Closing date: 1 September 1990. Reply to: **Professor G.H. du Boulay, CBE, The Radiological Research Trust, 36 Portland Place, London, W1N 3DG**

A
Disability
Can Be
An Asset.

The President's Committee
on Employment of the Handicapped
Washington, D.C. 20036

NUCLEAR CARDIOLOGY TECHNOLOGIST

The University of Virginia Medical Center, a 750-bed teaching facility, is currently seeking a dynamic technologist for the Nuclear Cardiology Lab. The selected applicant will also gain unparalleled experience in clinical research and computer applications. In a recent nationally known publication, UVA Health Sciences Center was rated as one of the best hospitals in America. Our staff technologists can fully express and expand their professional skills in many different areas and work with a group of internationally known physicians who are constantly developing new procedures, some of which are used only in a few hospitals today.

Nestled in the foothills of the Blue Ridge Mountains, the Charlottesville community offers a rare combination of natural beauty and extensive cultural activities. Within easy access of several large metropolitan areas, Charlottesville is a hub of activity.

Our staff benefits from competitive salary programs, liberal benefits, child-care facilities, and interview/relocation assistance.

For more information contact: **Jonette Aughenbaugh, Allied Health Recruitment, University of Virginia, Dept. of Personnel, Carruthers Hall, Box 9007, Charlottesville, VA 22906 or call 1-800-882-3010. EEO/AA.**

TECHNOLOGIST JOB NETWORK

The New England Chapter-SNM/TS announces "The Job Hotline," a national toll-free, hotline for nuclear medicine. The hotline is designed to provide a quick link for technologists seeking jobs and for hospitals seeking technologists. Institutions seeking technologists should call the hotline number, leave the name of the institution, title of the job opening, and name and number of the contact person; data are then stored for three months in a database for anyone who calls the hotline seeking employment. Technologists seeking employment should call the hotline number, specify state(s) which are of interest, specify type of job desired, and leave name and address. A listing will then be sent out in 48 hours; all inquiries are kept confidential. If an opening has not been filled within three months, the institution should call again to have it listed. The institution should also call if an opening has been filled so that it can be deleted from the database. The hotline numbers are 1-800-562-6387 or 1-990-4212 in Maine. Questions or comments should be directed to: Tom Staro, President, New England Chapter-TS at (207) 945-7195.

NOTE: SNM chapters are invited to submit job referral service listings for publication. Pertinent information—name and brief description of the service, telephone number and/or address, name or number of contact person for inquiries—should be sent to:

Joan Hiam, Section Editor
JNM/JNMT
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TECHNOLOGIST JOB NETWORK

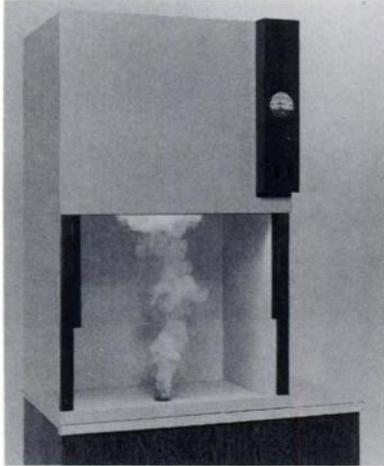
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Joan Hiam, Section Editor
JNM/JNMT
The Society of Nuclear Medicine
136 Madison Avenue
New York, NY 10016-6760.

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.

Ductless Fume Hood



Germfree Laboratories, Inc. introduces the "Alchemist," a ductless fume hood that removes airborne pollutants and irritants. The hood provides wide spectrum filtration for finite quantities of nonexplosive solids, liquids, and gases. It can be used with acid gases; formaldehyde and other aldehydes; ammonia, amines, and other bases; and most hydrocarbons. The hood uses a five stage progressive filtration system to return purified air to the room. The unit is constructed of heavy gauge steel with a chemically resistant epoxy coating. It is self-contained and requires no special installation procedures. **Woodie Cantor, Germfree Laboratories, Inc., 7435 NW 41st Street, Miami, FL 33166. (305) 591-7280.**

Circle Reader Service No. 101

Calibrated-Stop Micropipettes

Wheaton's new Calibra™ micropipettes incorporate fixed, factory calibrated stops for each volume increment. Volume is set with an adjustment knob and the setting is digitally displayed. The plunger assembly is highly resistant to chemicals. The two smaller volume units feature stainless steel nozzles that can be flamed in microbiological applications. A selec-

tion of disposable tips is available. **Frank Norman, The Wheaton Agency, 1301 N. 10th Street, Milville, NJ 08332. (609) 825-1100.**

Circle Reader Service No. 102

Radiation Survey Meter

Victoreen's Model 450B is a general purpose survey instrument for measuring beta-gamma radiation up to 50,000 mR/h or 500 mSv/h. The microprocessor-based instrument features automatic ranging, automatic zeroing, and an analog/digital liquid crystal display. The display flashes when the radiation exceeds a preset alarm limit and the highest reading obtained can be frozen on the readout. Calibration coefficients, operating mode, units of measure, and the alarm limit can be modified by entering parameters from a PC or terminal via a 1200 baud infrared serial communication link. The meter weighs 1.4 pounds and

operates from -20°C to 50°C. **Margaret Meek, Marketing Services Manager, Victoreen, Inc., 6000 Cochran Road, Cleveland, OH 44139. (216) 248-9300.**



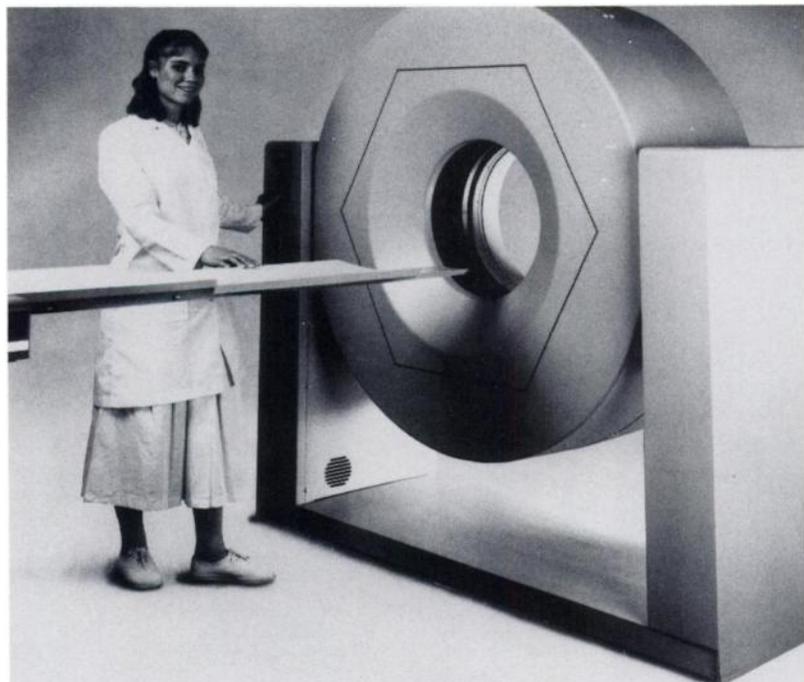
Circle Reader Service No. 103

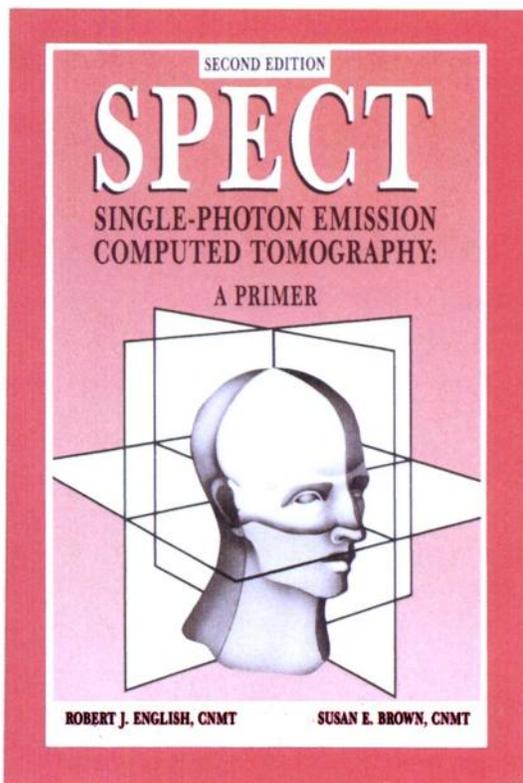
Whole-Body Positron Scanner

UGM Medical Systems has introduced the PENN-PETT 240H, a whole-body positron emission tomograph. The scanner features a large axial field of view (12.8 cm), 64 transverse slices, and 2mm slice spacing. The PENN-PET provides high energy resolution for good scatter rejection without extensive detector shielding. Electronic pulse shortening techniques are used to maximize the

scanner's count rate capability. The unit is compact and has a separate terminal for data acquisition. The scanner is designed to study cardiac viability and brain function. **Ursula Muehlechner, UGM Medical Systems Inc., 3401 Market Street, Suite 222, Philadelphia, PA 19104. (215) 222-4999.**

Circle Reader Service No. 104





2nd Edition

SPECT

Single-Photon Emission Computed Tomography

A PRIMER

NEW

**Robert J. English, CNMT
and Susan E. Brown, CNMT**

Publication date: May 1990 • 236 pp • 6" x 9" softcover

This new revised edition of the popular SPECT Primer integrates the newest SPECT techniques with the fundamental concepts and procedures presented in the first edition. The addition of clinical studies greatly enhances the value of this edition. The authors present procedures for routine and initial evaluation of a SPECT system as well as protocols for commonly imaged organ systems.

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The Appendix has been updated

to include a discussion on Ramp filters and their correlation with additional filters such as Shepp, Logan, Hamming, Hann, and Butterworth.

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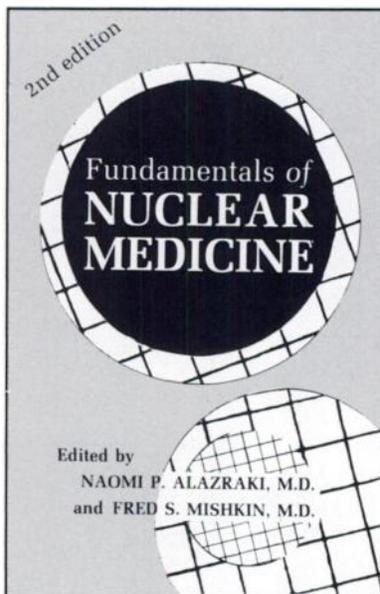
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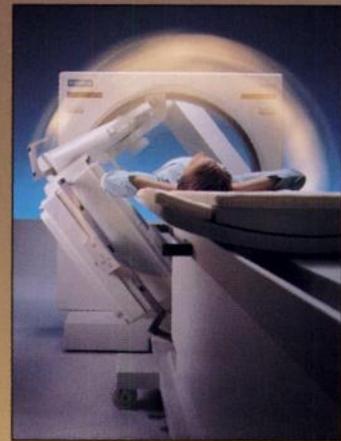
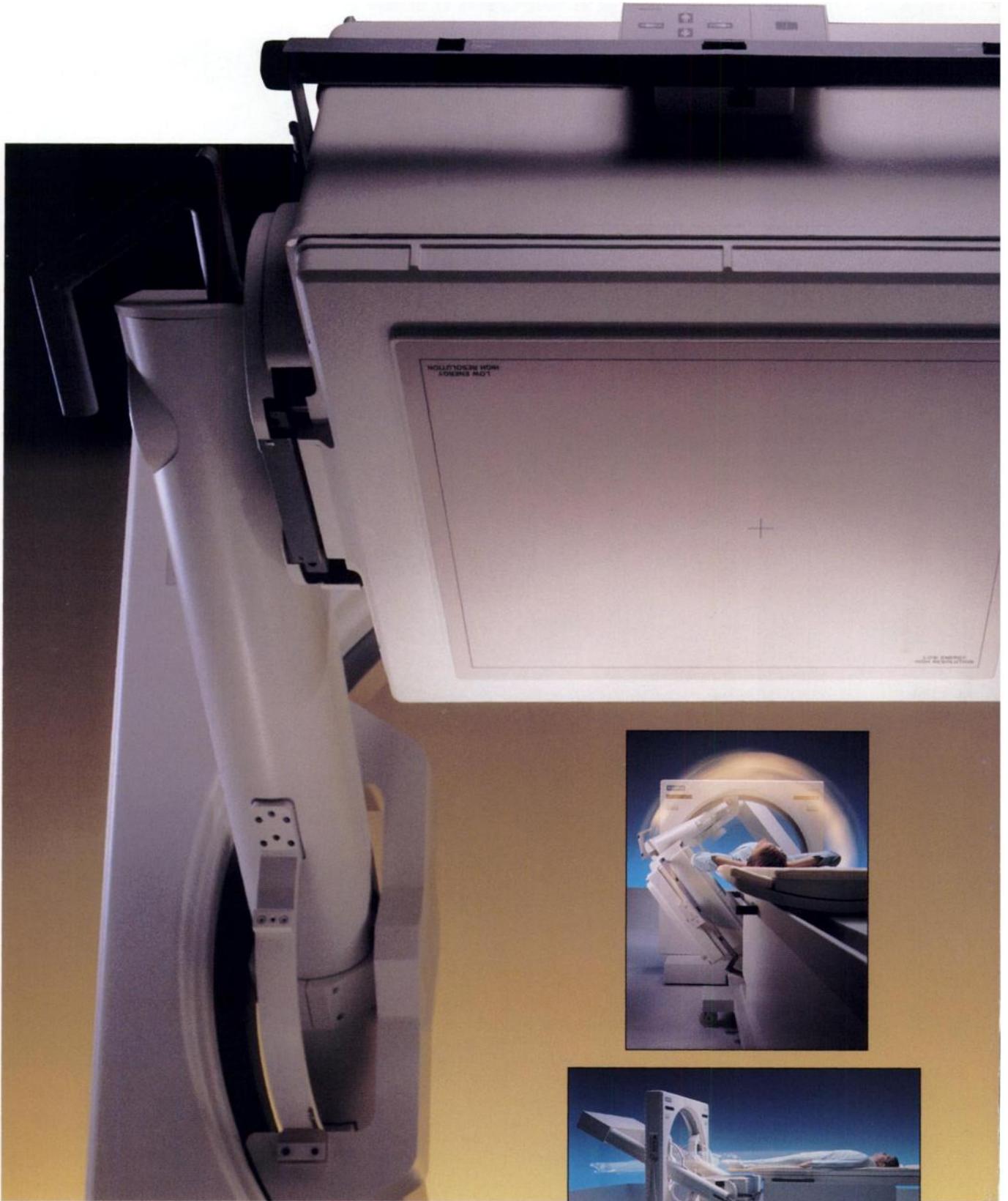
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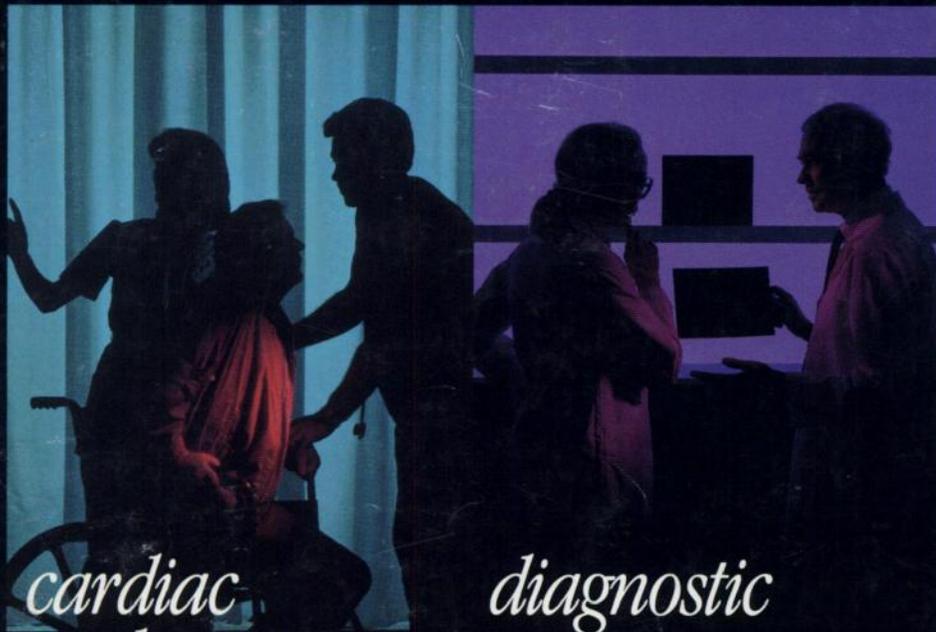
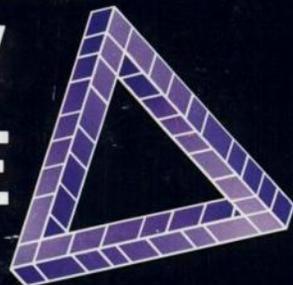
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