

CONCLUSION: Right hydronephrosis in a somewhat chronically obstructive appearing pattern. Small, poorly functioning left kidney contributing approximately 14% to total renal function.

Better Data Density-Better Statistics-Higher Detector Efficiency



For the past 20 years you have used 1131 lodohippurate for your renal studies. Now 1123 lodohippurate is available for your use. Use Nephroflow - The physics are better, the statistics are better and the detection efficiency is better. Move into the future.

Comparison of 1123 and 1131

Characteristic	<i>l</i> 123	l131
Mode of Decay	Electron capture	Beta-
Half-Life	13.2 hours	193 hours
Principal Gamma Energy (keV)	159	364
Intensity	84%	82%
Half-Value layer, lead, cm	0.037	0.24
Detection Efficiency: 1/4" Nal (TI) crystal	74.5%	22.5%



MEDI-PHYSICS, INC., RICHMOND, CALIF, 94806 SUBSIDIARY OF HOFFMANN-LA ROCHE INC.

To order call (800) MEDI-123





NEPHROFLOW® IODOHIPPURATE SODIUM I 123 INJECTION

For complete prescribing information consult package insert, a brief summary of which follows:

DESCRIPTION: Nephroflow* is supplied as a sterile, apyrogenic, aqueous, isotonic sodium chloride solution for intravenous administration. Each milliliter of the solution contains 37 megabecquerels (1 millicurie) lodohippurate Sodium 1 123 at calibration time; 2 milligrams lodohippurate Sodium, 1 percent benzyl alcohol (as a preservative), 9 milligrams sodium chloride for isotonicity, and up to 0.1 percent alcohol. The solution is buffered with 1.2 milligrams per milliliter sodium phosphate, monobasic and 0.05 milligrams per milliliter sodium phosphate, dibasic (at time of manufacture) and the pH is adjusted to 7.0–8.5 with sodium hydroxide or hydrochloric acid. The radionuclidic composition at calibration time is not less than 94.7 percent 1123, not more than 4.8 percent 1124, and not more than 0.5 percent all others (1 125, 1 126, 1 130, Na 24, Te 121). The radionuclidic composition at expiration time is not less than 85.5 percent 1 123, not more than 1.2 percent 1124, and not more than 1.6 percent all others. The ratio of the concentration of 1 123 to 1 124 changes with time.

INDICATIONS AND USAGE: Nephroflow is a diagnostic aid in determining renal function, renal blood flow, and urinary tract obstruction, and as a renal imaging agent.

CONTRAINDICATIONS: None Known.

WARNINGS: None Known

PRECAUTIONS: General

The contents of the vial are radioactive. Adequate shielding of the preparation must be

Do not use after the expiration time and date (24 hours after calibration time) stated on the label.

The prescribed lodohippurate Sodium 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 as possible) in order to minimize the fraction of radiation exposure due to relative increase of radionuclidic contaminants with time.

The dose to the bladder wall will be reduced significantly if the patient is encouraged to void within 2 hours after the drug is administered. The dose to the other target organs will also be substantially reduced.

lodohippurate Sodium I 123, as well as other radioactive drugs, must be handled with care and 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 patient management.

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.

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.

Pregnancy Category C

Animal reproduction studies have not been conducted with this drug. It is also not known whether lodohippurate Sodium I 123 can cause fetal harm when administered to a pregnant woman, or can affect reproductive capacity, lodohippurate Sodium I 123 should be given to a pregnant woman only if clearly needed.

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.

Nursing Mothers
Since Iodine 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 established.

ADVERSE REACTIONS: As with all organic iodine containing compounds, the possibility of allergic reactions must be kept in mind. Nausea, vomiting, and fainting have been reported in conjunction with the administration of Iodohippurate Sodium I 123.

HOW SUPPLIED: Nephroflow is supplied in nominal 3.5 ml vials as a sterile, apyrogenic, aqueous, isotonic sodium chloride solution for intravenous injection. Each milliliter contains 37 megabecquerels (1 millicurie) of lodohippurate Sodium I 123 at calibration time.

It is available, in individual vials, in the following sizes: MPI Catalog No. 2041; 1 ml and 37 megabecquerels (1 mCi) per vial, MPI Catalog No. 2042; 2 ml and 74 megabecquerels (2 mCi) per vial.

Vials are packaged in individual lead shields with plastic outer container.

RADIOISOTOPE RECORD

Jul 16, 1984 8:11 A.M. Date: Times Isotopel Tc-99m Sample # 798. mCi Activitut 20.0 ml Volumes 39.9 mCi/ml Conci 99Mo1 27.8 uCi .034 uCi/mCi Mo/Tc1

RADIOISOTOPE RECORD

Jul 16, 1984 8:12 A.M. Dates Time: Isotopet Tc-99m Sample # Dose: 5.00 mCi

Isotope Decay Chart

8:38 A.M. 38.5 mCi/ml .13 ml Mo: .036 uCi/mCi 9:00 A.M. 36.3 mCi/ml

.14 ml Mo: .038 uCi/mCi 9:30 A.M.

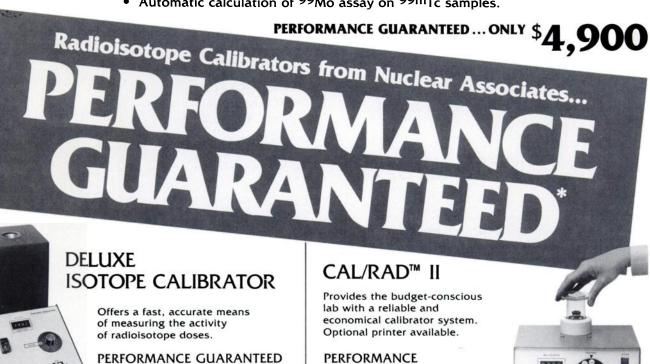
34.3 mCi/ml .15 ml Mo: .040 uCi/mCi



COMP-U-CAL

Fully-Computerized Radioisotope Calibrator

- Provides a printed, permanent record of date, time, isotope activity, concentration, syringe volume, assay results, for easy regulatory compliance.
- Calculates concentration and volume for any desired dose, corrected for decay for a whole day, or for a single dose.
- Automatic calculation of ⁹⁹Mo assay on ^{99m}Tc samples.



To find out how to get the kind of **GUARANTEED PERFORMANCE** you need, call or write for details. Request Bulletin 340-B.

Visit us at RSNA in Chicago, Booth 3359

*100% SATISFACTION GUARANTEED!

If for any reason you are not completely satisfied with a Nuclear Associates product, it may be returned within 30 days of shipment for full credit. Circle Reader Service No. 2

The Price/Performance Leader in Radioisotope Calibrators

TM Victoreen, Inc.

NUCLEAR ASSOCIATES



GUARANTEED

ONLY \$1,495

A Division of VICTOREEN, INC. 100 VOICE ROAD CARLE PLACE, NY 11514-1593 (516) 741-6360 A Subsidiary of Sheller-Globe



ONLY NOVO, THE DPA LEADER COULD DO IT

THE NEXT DIMENSION IN DPA TECHNOLOGY

Over 100% Faster Scanning Speed, Vastly Improved Precision & Accuracy, Requiring 2/3 Less Gd 153



The BMC-Lab 23 is the kind of significant
DPA technology breakthrough you'd expect from Novo. After all
the BMC Lab-22a was the first commercially acceptable DPA unit developed over 10 years ago.

Now the NOVO BMC-Lab 23 blazes new paths for the serious-minded clinician.

Speed of Scan -

Only Novo offers a multi-detector system that reduces scanning time. Typical Lumbar spine study takes only 5-10 minutes.

Reduced Radiation Dose -

A real plus! The new BMC-Lab 23 only needs 0.3 Ci Gd-153 which further reduces

source expenses.

Higher Precision and Accuracy -

Improved automatic calibration and built-in calibration standard guarantee for greater precision and accuracy.

Computer Advance -

Flexible VME System Concept with modular 32 bit architecture.

Software Advance -

For femoral neck and lumbar spine scanning. User definable normal programs.

Realtime multi-tasking system which allows simultaneous scanning and calculation for higher patient throughput.

Self diagnostic programs to reduce down time and service costs.

Future upgrade potential for total body scanning.

No other DPA unit can give you the speed, accuracy and lower source cost of the all new BMC-Lab 23.

And of course you'll get the outstanding Novo training, service and marketing support programs that's become virtually a trademark.

For full details of the next dimension in DPA technology, the Novo BMC-Lab 23, see us at booth 5813, RSNA. Or call Novo today ... The Leader in DPA Technology Worldwide.

NOVO DIAGNOSTIC SYSTEMS a Division of Novo Laboratories, Inc. 59 Danbury Road

Wilton, Connecticut 06897 Telephone: (203) 846-8420



NOVO DIAGNOSTIC SYSTEMS A/S

Plastvaenget 9 9560 Hadsund, Denmark Telephone: 45-8-572022

The BMC-Lab 23, Available soon for commercial distribution ...



The art of fine-tuning. At Kodak, we use it to give you the video image you like.

See us at Booth 1135 72nd Annual RSNA Meeting Chicago, IL—November 30-December 5



Your ideal video image is probably unlike any other. Subtly lighter or darker. A little more contrast. Or a little less. Perhaps your eyes are accustomed to a blue base. Perhaps not. Kodak has the means to *fine-tune* your video images to your personal preferences.

First step: Your Kodak representative adjusts your multiformat cameras to your "look." And measures that look precisely with our exclusive Kodak video display analyzer. And then matches that look to one of Kodak's five video imaging

films. More options than anyone else can offer.

Then, to make sure everything works with everything else, there's a complete line of video imaging products from Kodak. Ranging from Kodaflex roomlight film-handling products for speed and efficiency to reliable, proven Kodak X-Omat processors.

For details, ask your Kodak representative, or write Eastman Kodak Company, Dept. 412L-HS, 343 State Street, Rochester, NY 14650.

Can you afford anything less?

INTERNATIONAL CIS SYMPOSIUM

ADVANCED METHODS IN DIAGNOSIS AND THERAPY

JANUARY 29TH & 30TH, 1987

PARIS



MAISON DE LA CHI e Saint Dominique 75007 Paris

CONFERENCES, COLLOQUIA, ROUND TABLES, POSTER-SES

ree admission upon registration.

For programme information, registrations:
Contact your local CIS distributor or International CIS Symposium secretariat

BP 21 - 91190 Gif-sur-Yvette. France

Tél.: (33-1) 69 08 71 44/69 08 76 00 - Télex: 692 431 ORIS

IMAGING POWER TO SQUARE OFF WITH THE COMPETITION



Performance. As a Nuclear Medicine provider, if you want to be the best, you've got to perform.

Labs and institutions in your area are all competing for the same referral base. But with Picker's superior diagnostic technology, you've got the leading edge.

Picker outperforms the competition in every key area of Nuclear Medicine: image quality, throughput, reliability, upgradeability. Recent breakthroughs include:

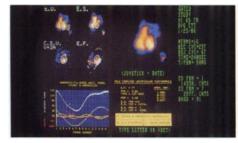
- Unique SQUARE HEAD DETECTOR for greater throughput and optimal SPECT scanning.
- SX series "footless" detector stands with stateof-the-art ergonomics.
- Unique acentric "Peanut" orbits for exceptional SPECT resolution.
- New PCS computer series, with the only open architecture in the industry.
- High speed clinical processing performed simultaneously with acquisition to maximize departmental efficiency.

Whether your facility is a major university hospital or a small outpatient clinic, you'll find a Picker system that integrates all your needs, from space allocation to information networking. Our systems offer the optimal edge for peak productivity, superior image quality and graphically easy-to-read quantitative results.

So if you want imaging power with a head up on the competition, look to Picker... Performance Without Compromise.

For more information please call your local representative or contact Picker International, Nuclear Medicine Imaging Systems, 595 Miner Road, Highland Heights, OH 44143. (216) 473-3000.

See us at Booth 1527
72nd Annual RSNA Meeting
Chicago, IL—November 30–December 5





An Uncommon Concern for Quality



The NORLAND Model 2600 Dichromatic Bone Densitometer System. The clear choice in bone density measurement for: Lumbar Spine Analysis, Hip Analysis, Whole Body Analysis, Local Region Analysis, and Normals Comparison. And Norland is busy right now developing new application software.

These software packages allow you to make better-informed decisions because you get the data you need in a clear, concise, easy to interpret format.

The hardware is designed for extended performance and versatility. Multi-tasking capabilities, large buffer memories and concurrent operations combine for easy set-up, along with quicker scanning and data analysis.

And we back it all with a continuing commitment to match our technology with your



Hip Analysis Display

future requirements. A commitment that *always* includes our ongoing support and service; and a customer-first attitude you thought was a thing of the past.

Call us today at **800-742-1042** to discuss your requirements. We respond.

We match technology with commitment

NORLAND

A cordis COMPANY

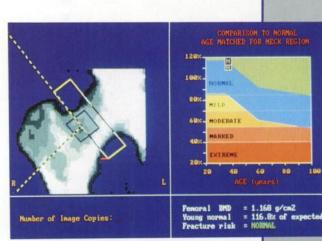
Norland Corporation Norland Drive, Fort Atkinson, WI 53538 Tel: U.S. Toll-free 1 (800) 742-1042 In Wis.: (414) 563-8456 Telex: 26-5448 See us at Booth 4725
72nd Annual RSNA Meeting
Chicago, IL—November 30-December 5

In Europe: Norland Scientific Instruments B.V. Van Houten Industriepark 11 1381 MZ Weesp. The Netherlands Tel: (31) 2940-19955 Telex: 18330 NORLD

LUNAR

For the total picture...

and the critical image.



LUNAR Radiation Corporation

The Leader in Bone Measurement

313 West Beltline Hwy. Madison, WI 53713 U.S.A.

(608) 274-2663 Telex: 5106013857 FACS: (608) 274-5374 Keizergracht 62 1015 CS Amsterdam

(020) 27 73 69

Telex: 16183 EUROC NL FACS: (020) 23 16 06





The Star family of nuclear imaging products takes you into the future...no matter where you're growing

The best way to a bright future for your nuclear imaging department is to choose equipment that can grow with you. At your pace. In the direction you choose.

The Star family of nuclear imaging products from General Electric gives you that versatility with advanced technology that easily upgrades as your needs change. These systems not only work with each other to increase your nuclear imaging and processing capabilities, they work with other manufacturers' systems as well.

Meet our family

STARPORT
Ideal for data acquisition and display.
This digital gamma camera system can be the cornerstone of a nuclear department because, as requirements grow, the Starport™ system can evolve to meet them.

STARCAM

The best of all worlds: data acquisition, processing and display in



an integrated system that performs the most demanding nuclear procedures with ease. With its modular digital design, the Starcam™ system keeps pace with your growth and with emerging technology.

STAR II

Powerful processing in a small system that's compatible with virtually



all nuclear imaging equipment. The Star II™ system extends your processing capabilities without making your existing systems obsolete.

Circle Reader Service No. 9

STARVIEW

Additional efficiency from a system that combines data processing and



display functions. Starview™ saves time for physicians and technologists alike in a busy nuclear department.

STARLINK

The technology that brings the Star family together. With the future Starlink™ network, you will be able to easily access data from any online nuclear system, at any station.

STARGATE

Your passport to the multi-modality imaging of the future. Stargate™ will link your nuclear department with other imaging modalities, and bring the complete diagnostic picture to you at a single console.

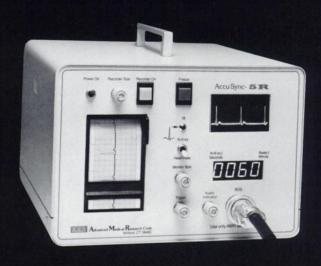
Look into the future of nuclear imaging . . . discover the Star family of products from GE. And find about the special financing pages available for a limited time. Call toll free 1-800-433-5566.



AMR's AccuSync provides R-wave detection with precision and reliability. The finest R-wave Triggering device available for computerized gated cardiac studies.

AccuSync-5R Features

- Isolation Amplifier for Patient Safety.
- Digital CRT Monitor.
- ECG Strip Chart Recorder.
- Heart Rate/R-R int.
- Trigger Pulse LED.
- Trigger Control for Ease of Lead Placement and Precise Location of Trigger Pulse.
- R-Trigger Output, Compatible with all Computers.
- · No Delay.
- ECG Output
- Playback Mode. (optional)
- Event Marker. (optional)
- · Audio Indicator.



FEATURES

All **AccuSync-5R** features with the exception of the Strip Chart Recorder.

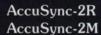
MODEL

AccuSync-6



AccuSync-IR

All **AccuSync-5R** features with the exception of Digital CRT Monitor.





0060

All AccuSync-IR features incorporated into a Module designed to fit into certain Mobile cameras.

AccuSync-3



All **AccuSync-IR** features with the exception of the Strip Chart Recorder, Playback Mode and Audio Indicator.

AccuSync-4



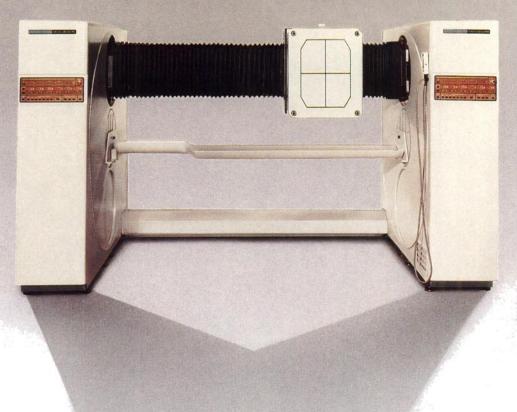
All **Accu Sync-3** features with the exception of the Heart Rate/R-R int. display.

ADVANCED MEDICAL RESEARCH

Visit us at RSNA in Chicago, Booth 5511

148 Research Drive Milford, CT 06460/Telephone: (203) 877-1610

A new star



The Star family of nuclear imaging products presents its newest member...Gemini

Meet the Gemini[™] system from General Electric—and prepare to meet the future.

Gemini's unique mechanical design helps you perform a comprehensive range of studies, including ECT, planar and whole body imaging. It's the answer for nuclear departments that demand versatility.

Gemini has an extra large rectangular field of view—a logical

geometry for simplicity and speed. It delivers high quality whole-body studies while improving throughput by as much as 50%.

Star quality from GE

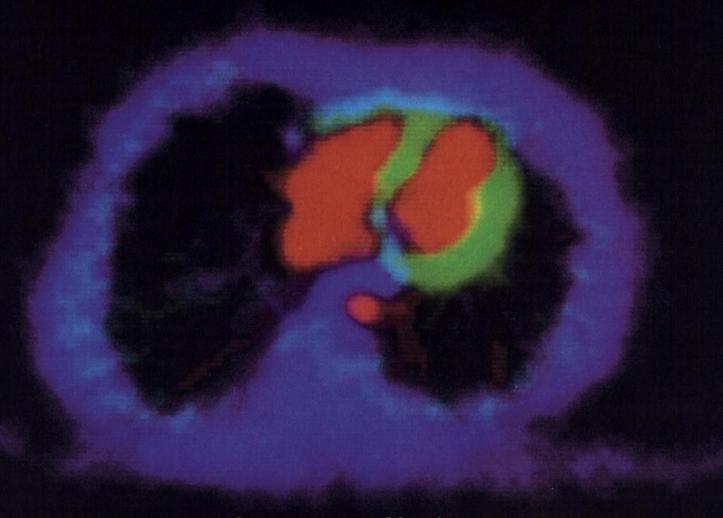
When combined with the GE
Star II[™] computer, Gemini
delivers the high quality ECT
images you've come to expect from
GE equipment. And the Star II
interface guarantees continuing

access to the expanding universe of GE software.

Gemini also allows your department to keep pace with advances in radiopharmaceuticals and optimized high energy collimation. All these features add up to big capability in a compact package. To find out more about the Gemini system, see your GE Representative today.



The future of PET is here.



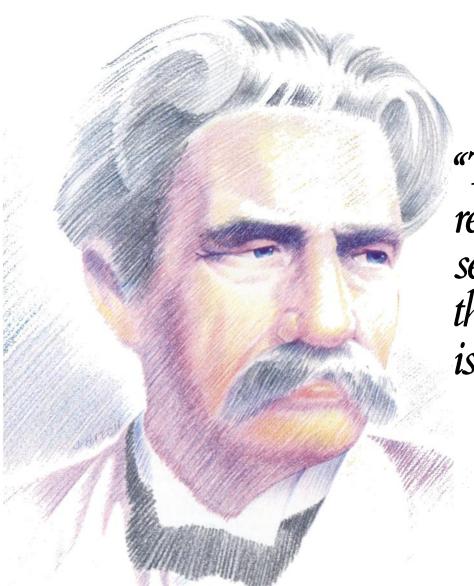
Systems in worldwide use for PET imaging today and tomorrow.



106 Western Avenue, P.O. Box 987, Essex, Massachusetts 01929, U.S.A. Tel: (617) 768-6994. Telex: 4993087 NUCLEX. Instrument AB Scanditronix Husbyborg, S-755 90 UPPSALA, Sweden. Tel: (0) 18-15 24 40. Telex: 2401-8195057 SCXUPP.

Circle Reader Service No. 12

See us at Booth 6017 72nd Annual RSNA Meeting Chicago, IL—November 30-December 5



"There is no higher religion than human service. To work for the common good is the greatest creed."

Albert Schweitzer

For Syncor, performing human service means helping you increase the time you dedicate to individual patient care. It means putting a 12 year track record into each of the 14,000 radiopharmaceutical orders we fill daily. It means continually setting new standards for quality, responsiveness and cost effectiveness.

Syncor service means added value. We have the industry's broadest selection of radiopharmaceuticals available whenever you need them—24 hours a day, every day of the year. Our delivery and waste disposal services increase efficiency and decrease radiation exposure in 5,000 hospitals and clinics.

Syncor service means regulatory support. We free you from most paperwork, quality control and record keeping tasks. That makes it easier for you to manage your department and adopt new procedures, like using Indium 111 labeled leukocytes.

Syncor service means knowledgeable personal attention. We put 1,500 employees to work for you.



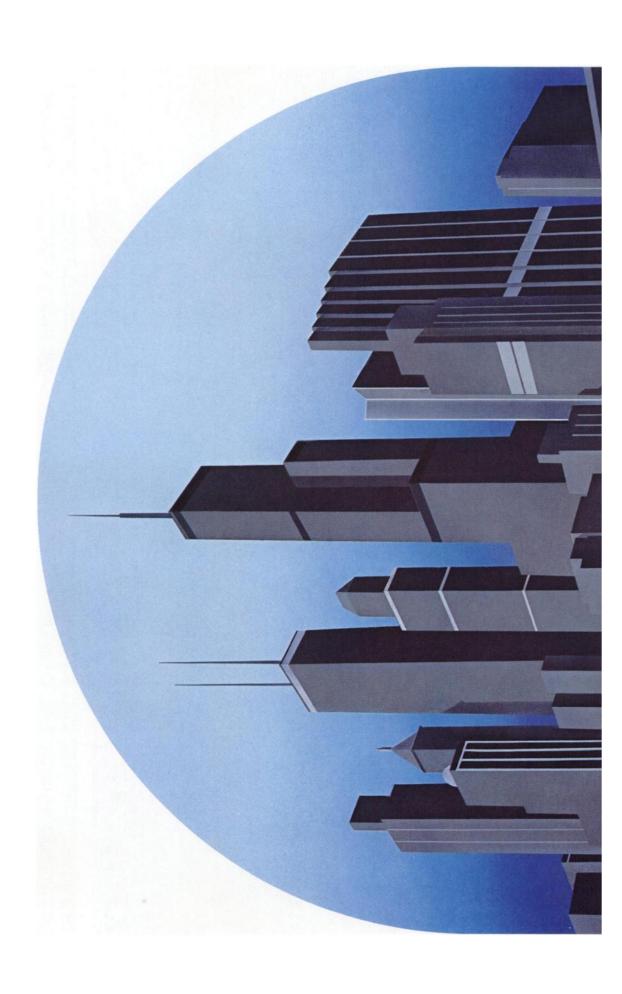
Paramount Services Center

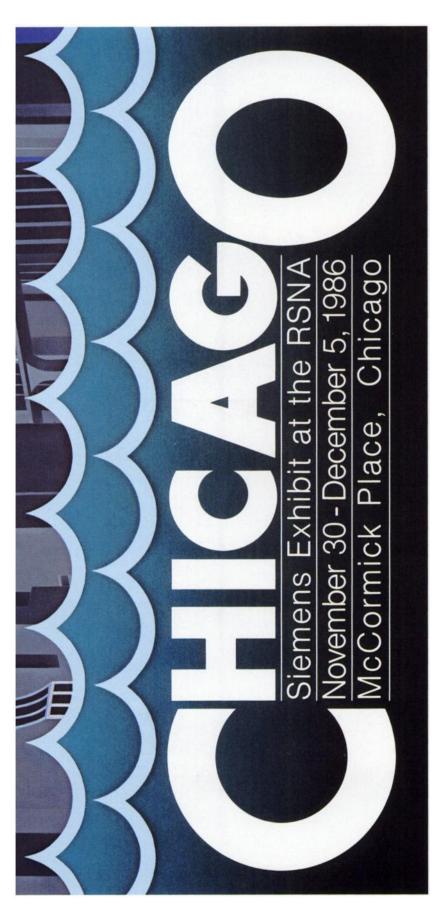
Supporting you from our 80 Medical Services Centers are 250 licensed nuclear pharmacists, and sales representatives with clinical experience in nuclear medicine.

Syncor's goal is to serve the common good by providing uncommonly good service to you. To find out more about how Syncor service can help you provide better patient care, call us today.



Syncor International CorporationSylmar, California 91342
(800) 435-0165 (818) 365-8151





MG/5000-097 WLM 455

Beyond Imaging

Beyond each imaging modality and support service we offer there is a commitment to be in touch with the state of your art...and with you, the professionals who practice it.

Once a year the RSNA gives us that opportunity.

A time for professional enrichment. The exchange of ideas. A welcome chance to learn more about your requirements for tomorrow. And the opportunity to show you the technological advancements and services we have today.

ultrasound • X-ray mammography • R/F systems • Data management • Education programs • Digital imaging • Therapy simulator • Uro-radiology • Mobile MR • Nuclear medicine • Site planning • Service plans • Mobile CT • Cardiovascular imaging • Financial services • Mobile X-ray • Preventive maintenance • Special procedures • Health physics • Diagnostic imaging centers • In-service education • Positron emission tomography • Bone mineral densitometry Computed tomography • Computer networking • Linear accelerators • Magnetic resonance • Therapy planning • Mobile image intensifier • Diagnostic

ImageFile

Image Management System

The all-digital nuclear medicine department . . . Its time has come.

- Digital display and manipulation for all studies . . . forever.
- Accepts and translates image formats from any major nuclear medicine computer.
- Easy comparison between two studies acquired on different computers.
- Instant access to all prior studies.
- Elimination of all film processing and storage.

8000 Studies Per Optical Disk

ImageFone — transfers images over telephone lines.

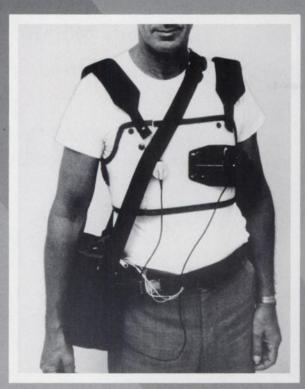


Sudbury Systems, Inc.

31 Union Avenue-Sudbury-MA 01776 800-245-7827

See ImageFile at RSNA Booth No. 2603





Left ventricular studies in ambulatory patients are now a reality, thanks to Capintec's Ventricular Evaluation System (VEST). This unit, which evaluates changes in LV function during ischemia in patients with coronary artery disease, also provides a number of cardiac parameters, including ejection fraction (EF).

State-of-the-art
dose calibration is
achieved through our
family of radioisotope
calibrators. Capintec pioneered this technology over
15 years ago, and we've continually refined it through the years
with features like sophisticated
electronics, future dose calibration,
easier operation, and a host of other
improvements. It's kept us the standard
of the industry.

Capintec plus technology. On a wide variety of fronts, this combination is an active force in exploring new techniques in nuclear medicine, as well as enhancing old ones.

All to help you improve patient care.

Capintec Inc., 6 Arrow Road, Ramsey, NJ 07446. 1-800-631-3826. In NJ call 1-201-825-9500.



EXPANDING THE BOUNDARIES OF NUCLEAR MEDICINE.

For Diagnosis, Prevention, and Patient Management of Osteoporosis and Other Metabolic Bone Diseases and Disorders

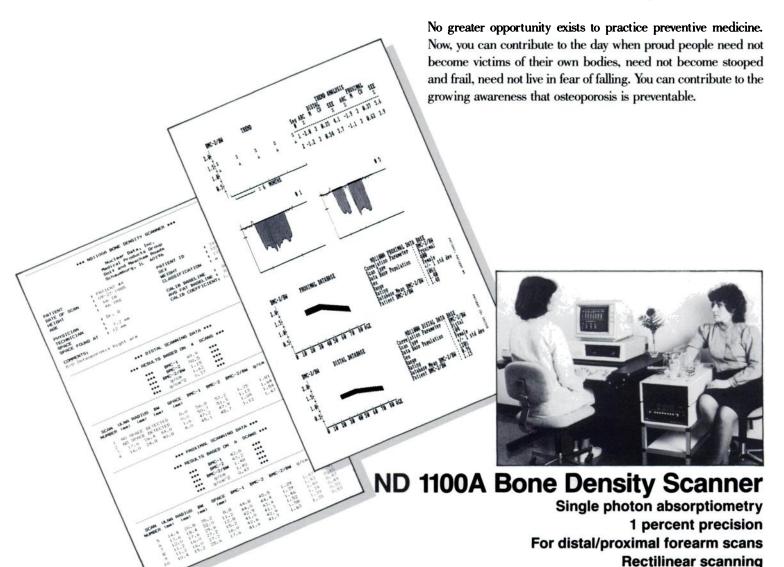
Single Photon?

Or

Osteoporosis afflicts up to 20 million Americans and leads to 1.3 million fractures each year. One in five women with hip fractures (40,000) dies, and another 20% are permanently crippled. The medical, nursing home, and social cost of osteoporosis and its consequences comes to \$6 billion in the U. S. each year.

Yet, with the development of clinical bone densitometry instruments, nuclear medicine may now move into a new era of service—the identification and management of those persons most at risk to develop osteoporosis and other bone disorders and diseases. You can support attending physicians in their efforts to prevent crippling osteoporosis by identifying patients at risk and by participating in effective management programs.

Computer-assisted site search for serial studies



See us at Booth 5222 72nd Annual RSNA Meeting Chicago, IL—November 30-December 5

Dual Photon? Both?

The Choice Is Yours

For precise measurement of bone mineral content (to within 1%) of both cortical and trabecular bone, the ND 1100A single photon bone densitometer is unsurpassed. This instrument utilizes rectilinear scanning of the distal forearm for precise determination of very slight changes in bone mineral content over relatively short periods. Computer-assisted site search assures reproducibility of the results, no matter how much time elapses between measurements, permitting long-term evaluation of minute changes in bone mineral content.

For site-specific visualization of the lumbar spine and femur, the ND 2100 dual photon spine scanner provides clear, high resolution images permitting direct evaluation of the state of the trabecular bone in these crucial areas. Featuring a powerful multifunctional computer, fast data processing with large storage capacity, and sophisticated softwear, the ND 2100 densitometer is ideal for the clinical environment.

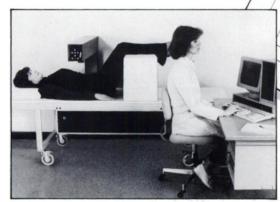




Nuclear Data, Inc. **Instrumentation Division ND Medical Products**

Golf and Meacham Roads Schaumburg, Illinois 60196

Tel: 312/884-3636



ND 2100 Spine/Femur Scanner

Dual photon absorptiometry Accurate visualization of lumbar spine/femur Unparalleled image quality **Permits direct evaluation**

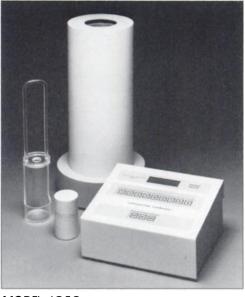
Circle Reader Service No. 19

Film output available via optional ND 4100 Video Image

A Dose Of Common Sense.

Buying a dose calibrator which is specifically designed to save you both time and money, while maintaining the highest standards of quality and accuracy, is common sense. Radcal dose calibrators are designed exactly that way.





MODEL 4045

MODEL 4050

Radcal dose calibrators have advanced, state-of-the-art features which are standard. They are microprocessor-based, with auto-ranging digital controls (no knobs or dials), have wide dynamic ranges, easy-to-read LCD displays, Ci-Bq selection available, remote sensors, splash-proof lab-tough designs, built-in self-testing, moly breakthrough shield and high-protection sensor shielding.

Model 4050— For meeting low cost requirements. Features an optional electronic bias supply — requires no batteries and has an RS-232 interface for remote monitoring.

Model 4045 — Is designed for the lab requiring a full range of self-generating records at a moderate price. This system has two printers — one, a self-contained patient dose and inventory printer and a second, larger printer which summarizes daily transactions. Its 80-key typewriterstyle keyboard allows for quick, complete dose and inventory recording. An electronic bias supply is standard.

Compare Radcal's cost and features with other systems. You'll be pleased to see that we offer substantially more — at a lower price.

All systems feature a one-year warranty and are UL approved.

Radcal — the new standard.

Radcal Corporation

An .mdh Company

426 W. Duarte Road Monrovia, California 91016 In California telephone (818) 357-7921 Outside California (800) 423-7169 Telex # 182910 The Sixth Conjoint Winter Meeting is sponsored by the SNM Computer, Instrumentation and Radiopharmaceutical Science Council.

Abstracts of original contributions are welcome from members of the Society and nonmembers. All abstracts are to be presented orally and will be published in a subsequent issue of the *JNM*.

This abstract represents: ☐ a scientific or technical paper ☐ a clinical paper

Please check appropriate boxes:

Please indicate Council classification of paper: Computer Instrumentation Radiopharmaceutical none of the above Topic classification: Brain Perfusion Heart Perfusion Other Perfusion other

Send original and four (4) photocopies of abstract and supporting data (if supporting data is submitted, must be limited to one (1) page) to:

Michael M. Graham, Ph.D., M.D.
Program Chairman
Society of Nuclear Medicine
Attn: Abstracts
136 Madison Avenue
New York, NY 10016-6784

(212) 889-0717 Society of Nuclear Medicine

(206) 548-4240 University of Washington

Abstract Form for Scientific and Technical Papers for the SNM Winter Meeting Perfusion Imaging: Instrumentation Modeling and Radiopharmaceuticals

Instrumentation, Modeling, and Radiopharmaceuticals Monday, February 2 – Wednesday, February 4, 1987

Hyatt Regency on the River Walk

San Antonio, Texas

Do Not Fold or Bend this Form

TYPE ABSTRACT HERE: (BE SURE TO STAY WITHIN BORDER)

[
1		
1		
1		
1		
i		
l		
1		
1		
1		
1		
1		

TYPE FULL NAME OF AUTHOR PRESENTING PAPER

List the name, address, and telephone number of the principal author who should receive all correspondence.

Send original and four (4) photocopies of abstract and supporting data (if supporting data is submitted, must be limited to one (1) page) to:

Michael M. Graham, Ph.D., M.D.
Program Chairman
Society of Nuclear Medicine
Attn: Abstracts
136 Madison Avenue
New York, NY 10016-6784

(212) 889-0717 Society of Nuclear Medicine (206) 548-4240 University of Washington

SPECIFIC INSTRUCTIONS

Abstract forms

Abstracts must be typed inside the blue rectangle on the first page of this form. Additional forms are available from the Society of Nuclear Medicine, 136 Madison Avenue, New York, NY 10016-6784, (212)889-0717. Photocopies of the abstract form cannot be accepted as originals.

Supporting data

Supporting data may be submitted if, in the opinion of the contributor, the reader's understanding will be enhanced. Supporting data are not required, however, if submitted, supporting data must be limited to one page and stapled to each of the photocopies of the abstract to ensure that each reviewer has all of the information available.

Format for title and body

USE ALL CAPS for TITLE. Use initials, rather than full spelling, for authors' first and middle names. Single space all typing, but leave a space between the title block and the body of the text. Indent each paragraph three spaces. Do not indent title. Draw special symbols in black India ink.

Make title brief, clearly indicating the nature of the investigation. Then state authors' names and institutional affiliation. Omit degrees, titles, institutional appointments, street address, and zip code.

Organization of body of abstract

Organize the body of the abstract as follows:

- A statement of the purpose of the study (preferably one sentence).
- A statement of the methods used.
- A summary of the results presented in sufficient detail to support the conclusions.
- A statement of the conclusions reached. It is not satisfactory to state, "The results will be discussed" or "other data will be presented", unless a scientific exhibit is being submitted.

Do not use subtitles, e.g., Methods, Results.

IMPORTANT

All abstracts accepted for the program will be considered for publication. To ensure quality printing, the instructions must be followed completely for all abstracts. Abstracts that do not conform will be either retyped by the publisher at a cost of \$40.00 to the author or will not be printed.



AUTOMATIC COMPUTING ENGINE™

FOR NUCLEAR MEDICINE

EQUIPMENT

IBM PC/AT Computer with 3 Mbyte RAM 30 Mbyte Winchester, 1.2 Mbyte Floppy 512 × 512 Display (256 Colors, Grey Levels)

MULTIPLE | ACQUISITION MODES |

Static, Dynamic, First Pass, Gated, SPECT

COMPLETE CLINICAL APPLICATION PACKAGE

Thallium Quantification and Washout Curves Gated & First Pass Ejection Fraction, Phase Analysis Renal Analysis, Regions of Interest, Flood Correction

SPECT RECONSTRUCTION, QUALITY CONTROL & DISPLAY OPTION

NATIONWIDE SERVICE
 ● VERY COMPETITIVE PRICES

ALSO

Patented Dual & Quad Rotating Slant Collimators Software as Described in ECT CURRENT TRENDS 1983, p. 211

Please Write for Information & Questions:



CARDIAC MEDICAL SYSTEMS POST OFFICE BOX 45 SPRINGFIELD, WI 53176

Circle Reader Service No. 21

LABORATORY MANUAL for Nuclear Medicine Technology

Edited by Wanda M. Hibbard, CNMT, and Sue P. Lance, CNMT

In response to a need for standardizing the learning experiences of student technologists, the *Laboratory Manual* for Nuclear Medicine Technology has been prepared for nuclear medicine technology training programs. The exercises were written by educators with years of experience in their respective areas of expertise and were field tested by technologists in nuclear medicine schools—both instructors and students.

This manual will serve to enhance the student's knowledge of a standard curriculum and develop competency in clinical practice. It provides the most comprehensive training resource available to be used in a laboratory setting. In addition, this manual will aid residents in fulfilling the NRC requirements for licensure. Softcover format, 8½ × 11″, 163 pp. Publication date: July 1984

ABBREVIATED CONTENTS

Part I: Radiation Safety Part III: Physics Part V: Radiochemistry
Part II: Instrumentation Part IV: Radiopharmacy Part VI: Patient Care

ORDER NOW!

\$14.00 per copy for members; \$16.00 for nonmembers. Add \$2.50 postage and handling for each book ordered. If ordering in bulk quantities, contact the Order Dept. for postage fees. Prepayment is required in US funds drawn on US banks only. No foreign funds are accepted. For payments made in US dollars but drawn on a foreign bank, add a bank processing fee of \$4.50 for Canadian bank drafts or \$40.00 for all other foreign bank drafts. Check or purchase order must accompany all orders. Make checks payable to:

The Society of Nuclear Medicine, Technologist Section 136 Madison Avenue, Book Order Dept. 986J New York, NY 10016-6784 (212)889-0717

Circle Reader Service No. 22

Prices are in US dollars and subject to change without notice.



You are cordially invited to join

The Society of Nuclear Medicine

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.

The objectives of the Society are to:

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 recently acquired knowledge 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.

Benefits of Membership

- Journals: 12 issues of The Journal of Nuclear Medicine (plus one year's subscription to Journal of Nuclear Medicine Technology at a reduced rate).
- Publications: discounts on books, educational aids, and audiovisuals.
- Local networking: with regional chapters and representation through the National Council.
- Research and Fellowship Support: through SNM Education and Research Foundation.

- Annual Meetings: discounts to scientific, clinical, and continuing education presentations.
- Effective Government Relations: through committees and lobbying efforts.
- Awards: for outstanding achievements and contributions to the field.
- Continuing Education Credit: for meeting courses, audiovisuals, and exhibits, approved for AMA Category 1 credit.

For more information, contact the Membership Department at:

The Society of Nuclear Medicine

136 Madison Avenue New York, NY 10016 (212)889-0717

THE SOCIETY OF NUCLEAR MEDICINE

Application for Membership (see reverse side for instructions)



Last Name Dr, Mr, Mrs, Ms, Miss (CIRCLE O	NE) First N	ame	Middle Initial	
Check Degree(s) Earned:				
MD PhD MA MS B	A BS AA AS	5 Other		
1 ii 1 B 10 iii ii () E ABNI			ARUD G MATOR	
Indicate Board Certification(s): ABNI				
□ ASCF	P ARRT(N) ARRT(T)	Other	
Please check ONE box for preferred ma	ailing address, but complete	both columns for our	r files:	
□ Institutional		☐ Home Address		
DIVISION		STREET ADDRESS		APT. NO.
DEPARTMENT		CITY ST	TATE/PROVINCE/COUNTRY	ZIP CODE
INSTITUTION OR COMPANY		AREA CODE	TELEPHONE NO.	-
STREET ADDRESS		PRESENT POSITION (TIT	TLE)	
CITY STATE/PROVINCE/COUNTS	RY ZIP CODE	DATE OF BIRTH		
AREA CODE BUSINESS TELEPH	ONE NO. EXT.			
IN-TRAINING STATUS ☐ YES ☐ NO		Program Director		
Projected Completion Date:	month/year	PROGI	RAM DIRECTOR'S TELEPHONE NO.	
Would you like to join the TECHNOLOG	IST SECTION? Yes	No		
COUNCIL MEMBERSHIP (OPTIONAL)			ing Council □ Radioassay Coun	cil
	□ Cardiovascular Council□ Computer Council	☐ Instrumentation (Council	cal Council
NAME OF SNM MEMBER WHO SUGG	SESTED THAT YOU JOIN			
APPLICANT'S SIGNATURE			(optional) DATE	
APPLICANTS SIGNATURE			DATE	
	FOR OFFICE			
	□ Full □ TS	CHA	IRMAN, MEMBERSHIP COMMITTEE (sign	1)
APPLICATION FEE		TEC	HNOLOGIST SECTION DESIGNEE (sign)	
CHAPTER	_			

THE SOCIETY OF NUCLEAR MEDICINE

Instructions to Application for Membership

- 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.
- A membership category will be assigned to you in accordance with the Society's Bylaws based on the information supplied on your application form.
- 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."
- A \$10.00 non-refundable processing fee must accompany the completed application form. Otherwise applications will not be processed.
- 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—1986 and 1987

Membership Categories	Society	Technologist Section	Total
Full	\$100.00	_	\$100.00
Full-in-training	50.00	_	50.00
With Tech Section membership			
Doctoral degrees (MD, DO, PhD)	80.00	\$33.00	113.00
Doctoral degrees-in-training	40.00	16.50	56.50
All other degrees	75.00	33.00	108.00
All other degrees-in-training	37.50	16.50	54.00
Associate	75.00	_	75.00
Associate-in-training	37.50	_	37.50
With Tech Section membership			
Doctoral degrees	50.00	33.00	83.00
Doctoral degrees-in-training	25.00	16.50	41.50
All other degrees	50.00	33.00	83.00
All other degrees-in-training	25.00	16.50	41.50
Technologist			
(must be Tech Section member)	35.00	33.00	68.00
Technologist-in-training	17.50	16.50	34.00
Doctoral degrees	80.00	33.00	113.00
Doctoral degrees-in-training	40.00	16.50	56.50
Affiliate	100.00	_	100.00
With Tech Section membership	50.00	33.00	83.00
Doctoral degrees	100.00	33.00	133.00

- 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.

PLACE STAMP HERE

> The Society of Nuclear Medicine Membership Department 136 Madison Avenue—Dept. 1186J New York, NY 10016-6784

SNM councils

To satisfy the needs of those individual disciplines within nuclear medicine, The Society of Nuclear Medicine has established special interest Councils that function autonomously within the Society and are open to all interested members.

Academic Council

The **ACADEMIC COUNCIL** is composed of faculty members of nuclear medicine departments, divisions, or sections in accredited nuclear medicine schools, or in those in AMA approved nuclear medicine residency programs in the U.S. or Canada.

The objectives of the Council are: (1) to promote medical education, research, and patient care related to nuclear medicine; (2) to develop better methods of undergraduate and graduate teaching of nuclear medicine; and (3) to provide a forum for discussion of problems of mutual interest and concern, as well as an informal exchange of ideas and programs. Within the Council there is a subgroup of directors of nuclear medicine residency training programs who confer at least annually with the ABNM on areas of mutual interest.

Cardiovascular Council

The CARDIOVASCULAR COUNCIL consists of Society members interested in the performance and application of cardiovascular nuclear medicine procedures. It seeks to provide a forum for discussion and development of cardiac scintigraphic methods in an effort to realize the most beneficial applications. The Council actively seeks individuals who share this goal.

Instrumentation Council

The INSTRUMENTATION COUNCIL promotes the advancement and dissemination of knowledge of instrumentation utilized in nuclear medicine and serves as a resource center in instrumentation for the Society.

Computer Council

The **COMPUTER COUNCIL** is made up of Society members who have an interest in computers and their application in the diagnostic, therapeutic, and investigative areas of nuclear medicine. It provides a source of information relating to computer science to the Society membership through its meetings and publications.

Correlative Imaging Council

The CORRELATIVE IMAGING COUNCIL provides a structure in which clinicians and scientists can develop and disseminate information on the medical and physiological applications of various imaging modalities as they correlate to nuclear medicine.

Radioassay Council

The RADIOASSAY COUNCIL maintains the scientific, economic, and historic elements of the radioassay discipline within the Society.

Radiopharmaceutical Science Council

The RADIOPHARMACEUTICAL SCIENCE COUNCIL provides a forum for discussion and dissemination of information relating to the radiopharmaceutical sciences and promotes and encourages basic radiopharmaceutical research and development within the Society. It publishes a newsletter and holds periodic meetings on special subjects.

If you are interested in joining any or all of the Councils, please contact the Membership Department. The cost for 1986 Council membership is only \$5.00 per council.

The Society of Nuclear Medicine

Membership Department 136 Madison Avenue, New York, NY 10016, (212)889-0717.

Attention . . . TECHNICARE® USERS (Ohio Nuclear)®

Diagnostix Plus is your Best Source for:

Remanufactured Cameras

- Large Field (110's, 410's, 438's)
- Small Field (100's, 400's)
- Mobile (120's, 420's)

Camera Performance Upgrades

- Uniformity Correction (DUFC)®
- Resolution
- Crystal Replacement
- Whole Body Area Scan Conversion
- New Tektronix 606B Displays
- High Resolution Multi Imagers and Formatters

Collimators

- Upgrades to Hexagonal Hole Cores
- Insert Collimators
- Collimator Repairs/Re-cores
- A large selection of used collimators

Computers

 450, 550, 560 Computers and accessories

* We Purchase Used Technicare Cameras * Computers. Call for a quote:

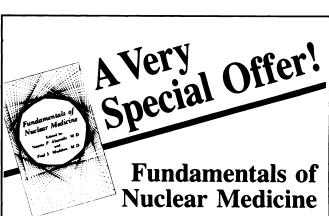


Diagnostix Plus, Inc.

100 Herricks Road Mineola, N.Y. 11501

Cost Effective Diagnostic Imaging Products

Circle Reader Service No. 17



208 pp; 6 × 9" softcover Publication Date: June 1984 \$12.00 per copy **EDUCATIONAL SERIES**

Edited by

Naomi P. Alazraki, MD and Fred S. Mishkin, MD

Contributors: Manuel L. Brown, MD, Frederick L. Datz, MD, Leon S. Malmud, MD, Isaac C. Reese, PhD, Barry A. Siegel, MD, James A. Sorenson, PhD, Leroy A. Sugarman, MD, Andrew T. Taylor, Jr., MD, Heidi S. Weissmann, MD, Henry N. Wellman, MD

...a basic introductory guide to acquaint medical students and physicians with the most useful nuclear medicine techniques for detecting and evaluating common disorders.

Bulk quantities of the Fundamentals of Nuclear Medicine have been made available to introduce medical and technologist students to the field. Accredited instructors may purchase a minimum of 10 copies @ \$2 each (includes shipping). Order now and lay the groundwork for future generation specialists and their referring physicians.

Ordering Information

For single copies at the regular price of \$12 plus \$2.50 postage and handling for each book ordered. Prepayment required in U.S. Funds drawn on U.S. Banks only. For payments made in U.S. dollars, but drawn on a foreign bank, add a bank processing fee of \$4.50 for Canadian bank drafts or \$40.00 for all other foreign bank drafts. Check or purchase order must accompany all orders. Make checks payable to: The Society of Nuclear Medicine. Prices are in U.S. dollars and are subject to change without notice.

The Society of Nuclear Medicine Dept. 1186 136 Madison Avenue New York, NY 10016 (212)889-0717

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 Semi-nars. We reserve the right to decline, withdraw, or modify advertisements that are not relevant to our

Rates for Classified Listings—\$10.00 per line or fraction of line (approx. 50 characters per line, including spaces). Please allow 28 characters for the first line which will appear in capital letters. Special rates for SNM members on Positions Wanted: \$9.50 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 \$920 Ouarter page Half page Eighth page 295

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 sub-mit classifed listings typed double spaced. No tele-phone orders are accepted.

Send copy to:

Advertising Department The Society of Nuclear Medicine 136 Madison Avenue New York, NY 10016-6784 (212)889-0717

Positions Open

Physician

NUCLEAR MEDICINE PHYSICIAN wanted to join expanding cardiology office/hospital practice in the Los Angeles area. Must be ABNM certified or eligible with clinical experience in nuclear cardiology, SPECT, and diagnostic ultrasound. Send CV and references to: Box 1102, The Society of Nuclear Medicine, 136 Madison Ave., New York, NY, 10016-6784, EOE.

NUCLEAR MEDICINE PHYSICIAN. Position open in University Hospital for ABNM certified physician, interested in academic nuclear medicine. Ample opportunity for research and development work. Interest in radiochemsitry/radiopharmacy appreciated. Please send resume to D. Pavel, MD, M/C 931, University of Illinois at Chicago, Box 6998, Chicago, IL 60680. An equal opportunity employer.

NUCLEAR MEDICINE PHYSICIAN. Opportunity at the assistant professor level in major nor-theast university department. Successful candidate must be certified in radiology or internal medicine and board certified/eligible in nuclear medicine. Ex-cellent clinical and research opportunity. Send CV to: Arnold M. Strashun, MD, Division of Nuclear Medicine, Dept. of Radiology, State University of New York, Health Science Center at Brooklyn, 450 Clarkson Ave., Box 1210, Brooklyn, NY 11203. EO/AA Employer, DMC #C-0026.

ABNM CERTIFIED PHYSICIAN. Private prac tice position for recently certified physician with 2-3 years post-training, clinical, and research experience years post-training clinical, and research experience at an academic institution. Strong background in diagnostic medicine, biochemistry, physiology, and nuclear technology is essential. Large, private, mid-west hospital. Send CV with references to: Box 1001, Society of Nuclear Medicine, 136 Madison Ave., 8th Fl., New York, NY 10016-6784. EOE.

IMMEDIATE PHYSICIAN OPPORTUNITY to join rapidly growing nuclear medicine/diagnostic ultrasound group in South Florida. Special emphasis on cardiovascular nuclear medicine and echocardiography. Send CV to Drs. Gottlieb & Block, 1150 N.W. 14 St., Suite #1, Miami, FL 33136; (305)324-0424. EOE.

NUCLEAR MEDICINE PHYSICIAN. The Veterans Administration Medical Center, Seattle, Washington and the University of Washington School of Medicine are seeking a board certified or board eligible nuclear medicine physician at the assistant professor level. Strong interest and experience in research and teaching are essential, and computer aptitude and experience are desirable. The hospital is in a new facility with state-of-the-art imaging and computer systems and the professional staff includes a medical imaging physicist and computer programmer. Starts July 1, 1987. Contact: John Harley, MD, Chairman, Search Committee, VA Medical Center, 1660 S. Columbian Way, Seattle, WA 98108. EOE.

CLINICAL DIRECTOR OF NUCLEAR MEDI-CINE. The University of Massachusetts Medical School is actively seeking candidates for the position of Clinical Director, university-based, research dedicated department of nuclear medicine. The applicant must demonstrate expertise in basic and/or clinical research and have the management skills necessary to direct all aspects of diagnostic clinical nuclear medicine. For further information, send CV and bibliography to: Dr. Lewis E. Braverman, Chairman, Department of Nuclear Medicine, University of Massachusetts Medical Center, 55 Lake Avenue North, Worchester, MA 01605. An Affirmative Action/Equal Opportunity Employer.

POSITION AVAILABLE. January 1, 1987 for nuclear radiologist with strong diagnostic radiology background to head nuclear medicine at a 400-bed medical school affiliated hospital. Nine person private practice group provides opportunity for teaching and clinical research. 3,300 Nuclear examinations per year including nuclear cardiology, thyroid therapy, and bone densitometry. ABR certification required, plus ABNM or speical competence. Direct inquiries to: David DiSantis, MD, 1288 Paramore Dr., Virginia Beach, VA 23454; (804)489-5422. EOE.

NUCLEAR MEDICINE PHYSICIAN with board certification in internal medicine or radiology needed for expanding out patient imaging practice. Contact with CV to: I.M.C. Inc., 2040 W. Wisconsin Ave., Suite 378, Milwaukee, WI 53233; (414)933-8739. EOE.

RESIDENCY IN NUCLEAR MEDICINE. A year ACGME approved program offering broad clinical and basic science experience. Two years prior postgraduate training in ACGME approved program is a requirement. The program is an integrated program involving tertiary care, oncology and pediatric exposure, stong radioimmunoassay and reserach opportunities. Program also provides op-portunity for exposure to MRI, CT, and ultrasound. The program is an integrated program of the State University of New York at Buffalo School of Medicine. Positions available July 1, 1987. Contact: JA Prezio, MD, Chairman and Program Director, SUNY/B, VAMC, Building 5, 3495 Bailey Ave., Buffalo, NY 14215. EOE.

The Nuclear Medicine Division of the University of Michigan Medical Center offers a two-year, AMA approved residency program leading to Board eligibility in nucler medicine. The program offers both clinical training & research, and the division is comprehensively equipped for imaging and in vitro procedures. For further information & applications for July 1987, contact: DE Kuhl, MD, Chief, Nuclear Medicine Division, Box 0028, U-M Hosptial, Ann Arbor, MI 48109. Contact person: Lula Clark, (313)936-5401. A Non-Discriminatory/Affirmative Action Employer.

The Division of Nuclear Medicine of the Department of Medicine at North Shore University Hospital offers a 2-year residency in nuclear medicine. North Shore University Hospital is an affiliated teaching hospital of the Cornell University Medical College. The program is comprehensive with training in all aspects of diagnostic and therapeutic tracer medicine.

There is strong emphasis on measurements of physiologic parameters and thyroidology, cardiology, and

nephrology. A PET-CYCLOTRON facility is under development and will add to the scope of the resi-dency program. Inquiries may be addressed to: D. Margouleff, MD, Chief, Division of Nuclear Medicine, North Shore University Hospital, 300 Community Dr., Manhasset, NY 11030. An Equal Opportunity Employer.

NUCLEAR MEDICINE AND NUCLEAR CAR-DIOLOGY RESIDENCY AND FELLOWSHIP POSITIONS available July, 1987, Emory University Affiliated Hospitals. This comprehensive, ABNM certified training program is based at the Emory University Affiliated Hospitals, which include Emory University Hospital, a 650-bed tertiary referral center; Grady Memorial Hospital, a 1,100-bed county teaching hospital; The Henrietta Egleston Hospital for Children, a 175-bed dedicated pediatric center; and the Atlanta VA Medical Center with 500 beds. A nuclear medicine learning center is located at Emory Hospital. The staff includes eight nuclear readicine and six basic scientists. The medicine physicians and six basic scientists. The trainee's experience encompasses a wide range of general nuclear medicine procedures, with emphasis on SPECT, cardiovascular studies, computer processing, and NMR. A didactic program includes lectures and laboratory exercises in clinical and basic science, radiopharmacy, radioassay, and computer processing. Involvement in research is strongly encouraged Address applications and inquiries to: Dr. Naomi Alazraki, Director of Nuclear Medicine, Emory Uni-versity Hospital, 1364 Clifton Road, N.E., Atlanta, GA 30322. An Equal Opportunity/Affirmative Action Employer.

Technologist

NUCLEAR MEDICINE TECHNOLOGIST. Come to the gateway to beautiful northern Wison-sin! Wausau Hospital Center, a new 300-bed, full service accredited, acute care, regional trauma center, is accepting applications for nuclear medicine technologists. Requires: ARRT registry or registry eligible in nuclear medicine or medical registry or licensure related field. Prefer clincial experience in nuclear medicine. Excellent salary and benefits! Act nuclear fleucine. Excellent salary and benefits: Act now! Call collect or send resume to: Personnel Services, Wausau, Hospital Center, 333 Pine Ridge Blvd., Wausau, WI 54401; (715)847-2800. Equal Opportunity Employer M/F.

NUCLEAR MEDICINE TECH. Full-time position available for an aggressive self-motivated person to assume staff position. Requirements: Registry or registry eligible and must have Florida licensure. Excellent starting salary and benefit package. Send resume to: Florida Medical Center, 5000 W. Oakland Park Blvd., Ft. Lauderdale, FL 33313. An Equal Opportunity Employer.

NUCLEAR MEDICINE TECHNOLOGIST. A challenging and rewarding career opportunity awaits you in the heart of the beautiful Montana Rocky Mountains. St. James Community Hospital is a 270-bed, JCAH accredited acute care hospital located halfway between Glacier and Yellowstone National Parks. Immediate access to hunting, fishing, skiing, hiking, and other outdoor recreation is available for the sports enthusiast. Qualified candidates for the position must be ARRT (N) registered and also be registered or certified (CNMT) in nuclear medicine. Excellent salary and benefits accompany this posi-

SHARE THE COST OF LIVING. **GIVE TO THE** AMERICAN CANCER SOCIETY:

This space contributed as a public service



University Microfilms International, 300 N. Zeeb Road, Ann Arbor, MI 48106. Call us toll-free for an immediate response: 800-521-3044. Or call collect in Michigan, Alaska and Hawaii: 313-761-4700.

tion. Qualified applicants send resume to: Pat Dudley, Employment Supervisor, St. James Community Hospital, 400 South Clark Street, Butte, MT, 59701. EOE M/F.

SPECIAL PROCEDURES TECH. Position open immediately for experienced professional performing ultrasound (echocardiography 2-B and Doppler) and nuclear medicine procedures. Competitive pay and flexible benefit program. Send resume and salary history to: Pocatello Regional Medical Center, Human Resources, 777 Hospital Way, Pocatello, ID 83201. Equal Opportunity Employer. A member of Intermountain Health Care, Inc.

COMPUTER COORDINATOR. Good Samaritan Medical Center a progressive 770-bed institution has an opening for a coordinator of computer operations in their nuclear medicine dept. Qualified applicants will have a BS degree in nuclear medicine technology or related applied science; background in computer or computer applications (prefer MDS or CD&A). Working knowledge of programming along with effective communication skills are preferred. Please send resume and salary requirements to: Personnel Dept., Samaritan Health Service, 215 E. McDowell Rd., Phoenix, AZ 85004. Or call (602)239-2677 for more information. EOE M/F.

Positions Wanted

Chemist

RADIOPHARMACEUTICAL CHEMIST seeking position. Over 5 yrs. experience working within FDA & NRC regulations in the manufacturing of parental drug products. Working knowledge of GMP's and SOP's. Some supervisory experience. Reply to: Box 1101, The Society of Nuclear Medicine, 136 Madison Ave., New York, NY 10016-6784.

RADIOPHARMACEUTICALS AND IN VITRO DIAGNOSTICS — MONOCLONAL ANTIBODIES Clinical Trials and Product Development

the coupon to:

Leading independent monoclonal health care products company located in suburban Philadelphia has excellent opportunities available for qualified individuals to actively participate in the evaluation and development of biopharmaceutical products. Positions provide significant potential for professional career growth in management level responsibilities. Excellent opportunities for qualified and innovative scientists to work as key members of Centocor's multidisciplinary investigational team exploring the use of murine and human monoclonal antibodies as in vivo and in vitro diagnostics.

Associate Director — Clinical Research NUCLEAR MEDICINE PHYSICIAN

Responsibilities include the planning, development and implementation of major clinical research programs, contributing to the introduction of diagnostic blood tests and radiopharmaceuticals. Design of clinical protocols, selection of clinical investigators and insuring compliance with regulations and scientific protocols are important aspects of the position. Further responsibilities include direct interaction with the organization's immunologists, toxicologists, pharmacologists, and biostatisticians in the preparation of regulatory agency submissions, scientific publications, and technical support of company research programs. Position requires research experience in cardiac imaging, oncologic nuclear medicine, immunology, or radiopharmaceutical development and provides the opportunity to pursue academic and clinical activities. Applicants must hold an M.D. or M.D./Ph.D. degree, be board certified or eligible in nuclear medicine and/or nuclear radiology, and have administrative experience, as well as proven experience in clinical research.

SENIOR NUCLEAR MEDICINE TECHNOLOGIST CLINICAL RESEARCH ASSOCIATE

Participate in all aspects of new drug research, including the development, design, initiation, and monitoring of clinical trials. Work closely with leading nuclear medicine departments in the implementation of clinical trials involving radiolabeled monoclonal antibodies. At least three years experience in clinical research and/or senior applications support desired. Experience in nuclear cardiology, oncologic nuclear medicine, and/or monoclonal antibody research highly desirable Willingness to travel and work independently are important characteristics.



Apply with curriculum vitae indicating the position desired to: Harvey J. Berger, M.D., Senior Vice President, Medical Affairs, Centocor, Inc., 244 Great Valley Parkway, Malvern, PA 19355. An Equal Opportunity Employer.

42A Classified The Journal of Nuclear Medicine

MEDICAL RADIATION PHYSICIST SASKATOON CANCER CLINIC

Applications are invited to fill a new position for a physicist in the Saskatoon Cancer Clinic. The work involves radiation physics, research and development, quality control and maintenance associated with cancer therapy. A PhD in a relevant subject such as medical physics, nuclear physics, or radiation biology is required.

A new clinic to serve 2,700 new patients per year will open in September, 1987 and will have three linear accelerators, Co-60, a simulator, a VAX 11/750 computer and many accessories for radiation therapy. It will include a physics lab, machine shop, and electronics shop and facilities for biological research. This physicist will report to the head of radiation oncology physics and will work with a group of medical physicists with a wide range of interests. Qualified physicists hold academic appointments in the College of Medicine, University of Saskatchewan, and may supervise graduate students in medical physics or clinical engineering.

For details, please contact:

Dr. W.B. Reid Chief Medical Physicist Saskatoon Cancer Clinic 37 University Hospital Saskatoon, Saskatchewan S7N 0X0 (306)966-2696

ATTENTION SNM MEMBERS

2

new clubs are seeking active members to join in the petition for Council status.

Brain Imaging Council—the proposed council will offer specialists the opportunity to have a forum for discussion and rapid dissemination of information pertaining to brain imaging. It hopes to establish international educational scientific programs to examine current investigations.

Commercial Services Council—the proposed council will be opened to all *individual* members to provide a forum for those individuals who wish to share information and experience about the commercial aspects of nuclear medicine. It hopes to create an educational arena to assist others entering into business, whether it be industry or private practice.

To receive a copy of either petition, please write indicating council of choice to: Membership Department, The Society of Nuclear Medicine, 136 Madison Avenue, Dept. 1186JC, New York, NY 10016-6784, (212)889-0717.



CEDARS-SINAI MEDICAL CENTER

DIRECTOR NUCLEAR MEDICINE PHYSICS

CEDARS-SINAI, 1120 bed research, teaching and acute care Medical Center is seeking a Director of Nuclear Medicine Physics. Candidates should have a PhD in either physics, computer sciences or a closely related field, with experience in image processing and preferably in the field of nuclear medicine or nuclear cardiology, although this is not required. The position will be working in image processing with an internationally recognized and well-funded nuclear cardiology team, and will also involve research in Cardiac Magnetic Resonance Imaging. Cedars-Sinai is the largest and most comprehensive not-for-profit medical center in the WEST. We offer a superior salary and benefits program and superb opportunity for career advancement. Send resume in confidence to: Mr. John Gilbert, Employment Office, 8723 Alden Drive, Los Angeles, California 90048. (213) 855-5521.



A 430-bed community hospital with a large regional laboratory has a position for a physician

prepared in nuclear medicine.
Other imaging modalities included in this regional referral

NUCLEAR MEDICINE PHYSICIAN

center include radiology, CT scanning, and ultrasound. Applicants must have (or be eligible for) RCPS(C) Certification in Nuclear Medicine. Certification in a second discipline would be an asset. Remuneration arrangements are negotiable. Applications or inquiries should be directed to:

GLENN E. CHAPMAN
Executive Director
Brandon General Hospital
150 McTavish Avenue East
BRANDON, Manitoba R7A 2B3

NUCLEAR MEDICINE TECHNOLOGIST

... Central Florida Location

As Central Florida's principal referral and teaching center, we can offer excellent career potential to an experienced Nuclear Medicine Technologist who enjoys the challenge of a major teaching hospital and the pleasures of Florida living.

You will have frequent patient contact as you work with nursing and medical staff to assure the accurate administration of therapeutic and diagnostic procedures and attendant quality control. You should have one year of extensive clinical training and be a graduate of an accredited school of nuclear medicine technology. Registry with the ARRT or certification by the Nuclear Medical Technology board is required.

Florida is well known for its sunny disposition, and in the Orlando area, you will also find excellent schools, affordable housing and no state tax on income. We can offer a competitive salary, extensive benefits and excellent potential for advancement. Please call TOLL FREE 1-808-327-8402 (outside Florida), or (305) 841-5186 (within Florida), or send your resume to: Orlando Regional Medical Center, Dept. of Employment, 1414 S. Kuhl Ave., Orlando, Fl. 32808.



ORLANDO REGIONAL MEDICAL CENTER

An Equal Opportunity Employer

NUCLEAR MEDICINE **TECHNOLOGIST**

IMMEDIATE opening for full-time. registered nuclear medicine technologist at a progressive 675-bed acute care teaching hospital located in the beautiful Blue Ridge Mountains of Virginia. Must be experienced with all types of imaging, MDS computer system, and nuclear cardiology. No RIA necessary. Competitive salary and excellent benefits package, including dental insurance. Send resume with work experience to: Mrs. Linda Hubbard, CNMT, Nuclear Medicine. Roanoke Memorial Hospitals, P.O. Box 13367, Roanoke, VA 24033. EOE-M/F.

NUCLEAR MEDICINE RESIDENCY

(2 years) and

FELLOWSHIP

(1 year)

positions available for 1987-88. 2,000+ bed medical center state-of-the-art planar and tomographic equipment. Strong programs with cardiology, oncology. Active monoclonal antibody program. Ample opportunity for research, Send C.V. to Michael E. Siegel, M.D., Director Nuclear Medicine, LAC/USC Medical Center, 1200 N. State Street, Los Angeles, CA 90033.

> LAC/USC Medical Center is an **Equal Opportunity Employer**

FREE HOSPITAL JOB GUIDE!



Call Toll Free Anytime

1-800*-*8**74-**7777

NURSING & HOSPITAL JOB GUIDES prostrative and staff positions in Florida and Texas. In addition to salary programs, benefit packages ons, the Guides give specifics about variou housing, cultural and recreational activities (In Florida Call 1-904-373-2200)

NUCLEAR MEDICINE TECHNOLOGIST

Pitt County Memorial Hospital, a 550+ bed acute care teaching hospital, is currently accepting applications for a Nuclear Medicine Technologist. Qualified candidates must possess an Associate degree in Radiologic Technology and have ARRT or SNMT certification or be registry eligible and obtain either certification within one year. Pitt County Memorial Hospital offers competitive salaries and excellent benefits package. For immediate consideration, send resume to:



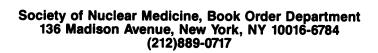
Employment Office PITT COUNTY MEMORIAL HOSPITAL

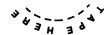
P.O. Box 6028 Greenville, NC 27834 (919) 757-4556

EOE/AA

The Society of Nuclear Medicine—Order Form

PLEASE TYPE OR PRINT Name			
Address			
City State _		_ Zip	
Ordering Information: Prepayment required in U.S. funds drawn on U.S. banks only. No fore in U.S. dollars, but drawn on a foreign bank, add a bank processing fee of \$4.50 for Canadian bank drafts. Check or purchase order must accompany all orders. Make checks payable to:	bank drafts or \$- The Society of	40.00 for all	other forei
Prices are in U.S. dollars and are subject to change without notice. \$20.00 minimum on cred Form of payment enclosed: Cash Institutional Purchase Order	ιτ caras. □ Travelers Ch	nook	
• •			
VISA MasterCard Expiration Date Signatu	re		
Publications			
Title	Member	Non- Member	Quantit
English & Brown: Single Photon Emission Computed Tomography: A Primer, 1986	\$15.00	\$17.00	
Robertson et al.: MIRD Primer for Absorbed Dose Calculations, 1986	\$25.00	\$28.00	
Alazraki & Mishkin: Fundamentals of Nuclear Medicine* 1984	\$12.00		
*Accredited instructors may purchase copies @ \$2.00 (postage included) bulk quantities (10 or more) of Fundamentals of Nuclear Medicine for distribution to medical students.		@ \$2.00	
Brill: Low-Level Radiation Effects: A Fact Book 1982			
a) Complete text: Fact book plus updates (includes postage)b) Updates only (includes postage)	\$32.00 \$10.00		
Hibbard & Lance: Laboratory Manual for Nuclear Medicine Technology 1984		\$16.00	
Partain: Nuclear Magnetic Resonance and Correlative Imaging Modalities 1984		\$47.00	
Robbins: Chromatography of Technetium-99m Radiopharmaceuticals—A Practical Guide 19	84 \$14.00	\$18.00	
Steves et al.: Clinical Evaluation Methods Guide 1982	\$15.00	\$18.00	
Patient Pamphlets			
A Patient's Guide to Nuclear Medicine (minimum order: 100 copies; includes postage)		\$.20/copy	/
Guidelines for Patients Receiving Radiodine Treatment (minimum order: 25 copies; includes postage)			/
Examination copies available for \$1.50 each (includes postage)		\$1.50/copy	/
Add \$2.50 per copy for postage and handling: (Contact the Society for bulk order rates)		olications/ nphlets	\$
Periodicals			
1986 Subscription Rates			
Journal of Nuclear Medicine (Monthly) U.S. \$110.00; Canada & Pan American countrestate Elsewhere \$140.00 (airmail); Student \$60.00	ies \$120.00	;	
Journal of Nuclear Medicine Technology (Quarterly) U.S. \$50.00; Canada & Pan Ame Elsewhere \$60.00	rican countries	\$55.00	;
	Total Periodi	cals \$	
Audiovisuals			
☐ Please send me a complete listing of audiovisuals that are available from SNM.			





Fold 2	
	PLACE STAMP HERE
	STAMP
	HERE

Society of Nuclear Medicine Book Order Department 136 Madison Avenue New York, NY 10016-6784

Educate your patients with SNM **Patient Information Pamphlets**

A Patient's Guide to Nuclear Medicine

Well illustrated, this 16-page pamphlet explains what nuclear medicine is, how the procedures are performed, and how they can help in the early detection of disease.

Divided into 3 sections, the guide opens with a general overview of nuclear medicine. A question-and-answer section follows, addressing such topics as safety, the benefits of nuclear medicine procedures, preand post-instructions, and testing of pregnant women and children. The third section explains some of the more commonly performed procedures such as bone, liver, lung, heart, and thyroid uptake scans.

16 pp; $5\frac{1}{2} \times 8\frac{1}{2}$; in 2 colors;

20¢ per pamphlet; minimum order: 100 copies





Guidelines for **Patients Receiving** Radioiodine Treatment

Prepared in collaboration with the U.S. Nuclear Regulatory Commission, this 8-page pamphlet answers patients' questions about home care after receiving radioiodine treatment for thyroid conditions.

Easy-to-read language outlines important precautions patients can follow to help reduce radiation exposure to others. It also contains a checklist that physicians can review with their patients to determine which guidelines are appropriate for them and how they should be followed.

8 pp; $5\frac{1}{2} \times 8\frac{1}{2}$; in 2 colors; 30¢ per pamphlet; minimum order: 25 copies

Healthcare professionals in private practice, hospitals, and clinics will find that these pamphlets provide a brief, attractive, and inexpensive way to educate patients and their families about the importance of proper health care.

ORDERING INFORMATION

Single copies are available for review at \$1.50 each. All prices include postage and handling. Prepayment required in U.S. funds drawn on U.S. banks only. Make checks payable to: The Society of Nuclear Medicine. Prices are in U.S. dollars and subject to change without notice.

> THE SOCIETY OF NUCLEAR MEDICINE Book Order Dept. 1186, 136 Madison Avenue, New York, NY 10016-6784

> > VISIT THE SNM PUBLICATIONS BOOTH AT RSNA

Simplicity



Visit us at the RSNA in Chicago, Booth 2415

The RADX ISOTOPE DOSECALIBRATOR 1001 is so easy to operate, it's automatic.

RADX presents the easy way to improve your assay. The RADX DC1001 is a fully digital isotope dosecalibrator. With push-button operation you accurately and easily assay isotope radioactivity.

The ten most frequently used medical isotopes are preprogrammed for one



touch operation of the membrane switch keyboard. Over 30 more isotopes may be entered via the keyboard. The RADX DC1001 provides expansion to program isotopes of the future.

10 Pre-programmed Isotopes
Technetium 99m Iodine 123
Molybdenum 99 Iodine 125
Cesium 137 Iodine 131
Chromium 51 Thallium 201
Cobalt 57 Xenon 133

Technology

RADX features the best available microprocessor electronics. Take your choice of Curie or Becquerel assay. Activity readout time takes just

The exclusive RADX ion chamber has set a standard for performance since 1968. It delivers long term reproducibility, linearity and dependability.

Only RADX offers an electronic isolator as a standard component. This feature assures assays are not affected by energy spikes in the electrical power source.

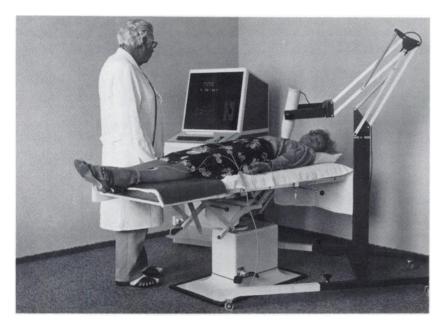
For simplicity, accuracy, and flexibility, depend on RADX. For a closer look, call RADX 713/468-9628; write 1390 West Belt Drive North, Houston, Texas 77043.

Circle Reader Service No. 27



The Automatic Way to Assay

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.



Parametric Gammascope

A&P Gruppe-Altmann KG has introduced the parametric gammascope, a mobile diagnostic apparatus for measuring heart, kidney, and thyroid function. To measure absolute cardio-pulmonary circulation times, the patient may be seated or prone, or the test may be done during exercise. The apparatus also measures by beat-to-beat methods and the gated blood-pool method. For renal studies the gammascope can be used to measure glomerular filtration rates and perfusion of kidney transplants. The parametric gammascope may be used for hematology studies, evaluation of radioimmunoassays, thyroid diagnostics, and for the storage and handling of patient data. Developed at the Institute of Medicine of the Nuclear Research Center, Julich, West Germany, the gammascope may be used directly at the patient's bedside or for different analytic procedures in the laboratory. A&P Gruppe-Altmann KG, Albert-Schweitzer-Str. 18, D-3320 Salzgitter 1, West Germany.

Circle Reader Service No. 101

NMR Microscope Accessory

Bruker Instruments has introduced an

NMR accessory for high-resolution microscopic imaging. The accessory, also called the "NMR microscope," is designed for Bruker wide-bore AM and MSL systems, and requires virtually no modification of the standard spectrometer.

The NMR capability makes a variety of microscopic imaging techniques available to researchers in the medical, biologic, and material sciences. These techniques include T_1/T_2 imaging, multiecho, multislice, volume selective spectroscopy, chemical shift imaging, diffusion imaging, and multinuclear imaging. Bruker Instruments, Inc., Manning Park, Billerica, MA 01821.

Circle Reader Service No. 102

Updating and Indexing Service

The Nuclear Medicine Literature Updating and Indexing Service, edited by Douglas Van Nostrand, MD, and Henry N. Wagner, Jr., MD, brings together information of interest to the nuclear medicine community from hundreds of medical publications, including all U.S. nuclear medicine journals and most of the major nuclear medicine journals from countries outside the United

States. The Updating and Indexing Service covers original scientific articles, reviews, editorials, books, and special reports. The 1987 monthly issues will list entries by organ systems and other selected categories. In addition, the service will provide quarterly and annual indexes. The Nuclear Medicine Literature Updating and Indexing Service, 2905 Hardy Ave., Wheaton, MD 20902.

Circle Reader Service No. 103

Bone Mineral Analysis for CT Scanners

Elscint has announced its clinical evaluation of a Bone Mineral Analysis System now available for its EXEL 1800 and 2400 CT scanners. The system measures the trabecular bone in the lumbar spine and can assist in the detection of metabolic bone disease and osteoporosis.

The clinical procedure consists of a localizing planar scan and a set of axial lumbar spine scans using a low dose scan protocol optimized for bone mineral analysis. The clinical images are compared quantitatively to calibration images acquired using a reference phantom containing different, stable known densities of calcium hydroxyapatite. Elscint Inc., 930 Commonwealth Ave., Boston MA 02215.



The Journal of Nuclear Medicine

Official Publication of

The Society of Nuclear Medicine (ISSN 0161-5505)

136 Madison Avenue

New York, New York 10016-6784

RETURN POSTAGE GUARANTEED

3RD CLASS MATERIAL ENCLOSED

NON-PROFIT
U.S. POSTAGE
PAID
PERMIT #114
EASTON, MARYLAND

at New York, NY and at Additional Mailing Offices

POSTAGE

PAID

SECOND CLASS

00464

JULIA W. BUCHANAN

104 W. MELROSE AVE.

BALTIMORE. MD 21210

REGISTER EARLY

Look for the 34th Annual Meeting Housing and Registration Forms in this packet. DATE: June 2-5, 1987. PLACE: Metro Toronto Convention Centre, Toronto, Ontario, Canada.

For additional forms write to: Registrar, The Society of Nuclear Medicine, 136 Madison Avenue, Dept. 1186S, New York, NY 10016-6784 (212)889-0717.

INSIDE THIS ISSUE:

The 1987 Winter Meeting Abstract Form DEADLINE FOR ABSTRACTS: November 26, 1986

Topic: Perfusion Imaging

February 2-4, 1987, San Antonio, Texas

Scientific Highlights of the European Nuclear Medicine Congress

1987 Membership Application

Positron Delivery System

Model 370

(CYclotron for Production of Radio-ISotopes)

CUPID

(Clinical-Used Positron-emitting Isotope Delivery)



Model 370 (18 MeV Proton, 10 MeV Deuteron)



"C-Methyl iodide



¹³N-ammonia



¹⁸F-fluorodeoxyglucose

Medi-Physics is the North American Sales Agent for medical cyclotrons manufactured by Sumitomo Heavy Industries, Ltd. This agreement allows us to develop an in-house medical cyclotron system for you.

CYPRIS (CYclotron for Production of Radio-ISotopes) is a compact, computer-controlled system, resulting in reliable and stabilized function, allowing for easy operation and maintenance.

CUPID (Clinical-Used Positron-emitting Isotope Delivery) is an automatic synthesizing system for short-lived radioisotope labeled compounds.

Our commitment continues. MPI's expertise and technology allows us to assist you in all phases of your project—from planning and construction to installation and operation. We can provide you with the knowledge and equipment necessary to make your project a reality. For more information, call Bruce Goldberg at Medi-Physics.



MEDI-PHYSICS, INC., RICHMOND, CALIF. 94806 SUBSIDIARY OF HOFFMANN-LA ROCHE INC.

(800) 227-0492 (Outside California) (415) 222-8006 (In California)

Circle Reader Service No. 29

See us at RSNA Booth No. 5624

The Journal of Nuclear Medicine

Official Publication of

The Society of Nuclear Medicine (ISSN 0161-5505)

136 Madison Avenue

New York, New York 10016-6784

RETURN POSTAGE GUARANTEED

3RD CLASS MATERIAL ENCLOSED

EASTON, MARYLAND U.S. POSTAGE PERMIT #114 **NON-PROFIT** PAID

at New York, NY and at Additional Mailing Offices

POSTAGE

PAID

SECOND CLASS

JULIA W. BUCHANAN 104 W. MELROSE AVE. BALTIMORE. MD 21210

REGISTER EARLY

Registration Forms in this packet. DATE: June 2-5, Look for the 34th Annual Meeting Housing and Toronto, Ontario, Canada. 1987. PLACE: Metro Toronto Convention Centre.

of Nuclear Medicine, 136 Madison Avenue, Dept For additional forms write to: Registrar, The Society 1186S, New York, NY 10016-6784 (212)889-0717.

INSIDE THIS ISSUE:

Topic: Perfusion Imaging February 2–4, 1987, San Antonio, Texas The 1987 Winter Meeting Abstract Form DEADLINE FOR ABSTRACTS: November 26, 1986

Medicine Congress Scientific Highlights of the European Nuclear

1987 Membership Application

THE NEW THYROID UPTAKE SYSTEM II: DEDICATED PERFORMANCE

If you're looking for the best uptake system, designed for patient comfort and easy operation, take a look at the Thyroid Uptake System II from Atomic Products.

It sets new performance standards because it is "truly dedicated" to thyroid uptake activity studies.

Operation is simple, and straight forward, thanks to the user friendly menu selection and logical control panel design. All operations and calculations are handled by a high-speed microprocessor with data displayed on the built-in video monitor. An optional printer is available for hard copy.

The isotope menu is preselected for 7 isotopes (I-123; I-125; I-131; Co-57; Cr-51; Tc-99m; Cs-137), with a manual override.

Patient measurements are automatically decay corrected, and it calculates the final uptake percentage. It has a memory capacity for 8 separate patients, 3 measurements per patient.

The system can be configured as a free-standing unit, or used in a table top setting, depending on your needs and patient requirements.

The Thyroid Uptake System II. It sets new standards for uptake studies. From your Nuclear Medicine Source... Atomic Products Corporation.

For additional information, call us today.



Atomic Products Corporation

ATOMLAB DIVISION • ESTABLISHED 1949

P.O. BOX R, SHIRLEY, NEW YORK 11967-0917 U.S.A. TEL: (516) 924-9000 • TELEX NO. 797566 • TWX: 51022-80449 ATOMLAB CTCH

Positron Delivery System for

PET

CYPRIS®

(CYclotron for Production of Radio-ISotopes)

CUPID

(Clinical-Used Positron-emitting Isotope Delivery)



STORE STORE

Computerized Control Console Model 370



"C-Methyl iodide 13N



¹³N-ammonia



¹⁸F-fluorodeoxyglucose

Medi-Physics is the North American Sales Agent for medical cyclotrons manufactured by Sumitomo Heavy Industries, Ltd. This agreement allows us to develop an in-house medical cyclotron system for you.

Model 370 (18 MeV Proton, 10 MeV Deuteron)

CYPRIS (CYclotron for Production of Radio-ISotopes) is a compact, computer-controlled system, resulting in reliable and stabilized function, allowing for easy operation and maintenance.

CUPID (Clinical-Used Positron-emitting Isotope Delivery) is an automatic synthesizing system for short-lived radioisotope labeled compounds.

Our commitment continues. MPI's expertise and technology allows us to assist you in all phases of your project—from planning and construction to installation and operation. We can provide you with the knowledge and equipment necessary to make your project a reality. For more information, call Bruce Goldberg at Medi-Physics.



medi+physics

MEDI-PHYSICS, INC., RICHMOND, CALIF. 94806 SUBSIDIARY OF HOFFMANN-LA ROCHE INC.

(800) 227-0492 (Outside California) (415) 222-8006 (In California)

Circle Reader Service No. 29

See us at RSNA Booth No. 5624