

# JNM



Official Publication of  
The Society of Nuclear Medicine

## SNM NEWSLINE

- 23N** Scientists Report Surprise Findings of Thyroid Cancer Following Chernobyl  
*J. Rojas-Burke*
- 35N** Congress Begins Support of the National Biomedical Tracer Facility  
*J. Rojas-Burke*
- 40N** Blues Approve Neurological Indications for PET
- 44N** News Briefs: SPECT Project Underway; National Lab, Biotech Firm to Jointly Develop Pharmaceuticals; etc.
- 51N** The 1992 Manpower Survey

## HUMAN STUDIES

- 1919** Dual-Isotope Brain SPECT Imaging with Technetium-99m and Iodine-123: Clinical Validation Using Xenon-133 Spect  
*Michael D. Devous, Sr., J. Kelly Payne and James L. Lowe*
- 1925** The Role of Sestamibi Scintigraphy in the Radioisotopic Assessment of Myocardial Viability  
*Paolo Marzullo, Gianmario Sambucetti and Oberdan Parodi*
- 1931** PET-Fluorodeoxyglucose of Cranial and Spinal Neuromas  
*Katalin Borbely, Michael J. Fulham, Rodney A. Brooks and Giovanni Di Chiro*
- 1935** Can Dynamic Krypton-81m Imaging Separate Regional Ventilation and Volume?  
*Mark F. Lythgoe, Hugh Davies, Attila Kiba, Mihaly Toth-Abonyi and Isky Gordon*
- 1939** Editorial: Go with the Flow—But How Far?  
*Bruce R. Line*
- 1943** Brain SPECT in Neonates Following Extracorporeal Membrane Oxygenation: Evaluation of Technique and Preliminary Results  
*Chan H. Park, Alan R. Spitzer, Hermant J. Desai, James J. Zhang and Leonard J. Graziani*
- 1949** Human Pharmacokinetics and Radiopharmacological Studies of the Myocardial

## Perfusion Agent: Technetium (2-Carbomethoxy-2-Isocyano-Propane)<sub>6</sub><sup>+</sup>

*James F. Kronauge, Alba S. León, E. Silvia Verdera, Henia S. Balter, Elsa T. León, Fernando Mut, M. Cecilia Oliveira, Fernanda A. Garcia, B. Leonard Holman, Alan Davison and Alun G. Jones*

## 1958 Specific and Nonspecific Immunoassays to Detect HAMA After Administration of Indium-111-Labeled OV-T: 3 F(ab')<sub>2</sub> Monoclonal Antibody to Patients with Ovarian Cancer

*Leon F.A.G. Massuger, Chris M.G. Thomas, Martin F.G. Segers, Frans H.M. Corstens, René H.M. Verheijin, Peter Kenemans and Lambert G. Poels*

## 1964 Dynamic SPECT Imaging of Dopamine D2 Receptors in Human Subjects with Iodine-123-IBZM

*John P. Seibyl, Scott W. Woods, Sami S. Zoghbi, Ronald M. Baldwin, Holley M. Dey, Andrew W. Goddard, Yolanda Zea-Ponce, George Zubal, Mark Germino, Eileen O. Smith, George R. Heninger, Dennis S. Charney, Hank F. Kung, Abass Alavi, Paul B. Hoffer and Robert B. Innis*

## LABORATORY STUDIES

- 1972** Intratumoral Distribution of Fluorine-18-Fluorodeoxyglucose In Vivo: High Accumulation in Macrophages and Granulation Tissues Studied by Microautoradiography  
*Roko Kubota, Susumu Yamada, Kazuo Kubota, Kiichi Ishiwata, Nobuaki Tamahashi and Tatsuo Ido*
- 1981** Metabolic Design of Combination Therapy: Use of Enhanced Fluorodeoxyglucose Uptake Caused by Chemotherapy  
*Uwe Haberkorn, Maria Reinhardt, Ludwig G. Strauss, Franz Oberdorfer, Martin R. Berger, Annette Altmann, Reinhard Wällich, Antonia Dimitrakopoulou and Gerhard van Kaick*
- 1988** Comparison of Technetium-99m-Glucarate and Thallium-201 for the Identification of Acute Myocardial Infarction in Rats  
*H. Ohtani, R.J. Callahan, B.A. Khaw, A.J. Fishman, R.A. Wilkinson and H.W. Strauss*
- 1994** Imaging of Cardiac Transplantation Rejection in Primates Using Two New Antimyosin Agents  
*Robert A. Vaccarino, Juan E. Sanchez, Lynne L. Johnson, Theodore S.T. Wang, David W. Seldin, Charles Marboe, Patrick Egbe, Ketan Bhatia, Eric A. Rose and Ban A. Khaw*
- 2000** Experimental and Clinical Analysis of the Characteristics of a Chimeric Monoclonal Antibody, MOv18, Reactive with an Ovarian Cancer-Associated Antigen  
*Carla F. Molthoff, Marrijr R. Buist, Peter Kenemans, Herbert M. Pinedo and Epie Boven*
- 2006** Pretargeted Immunoscintigraphy: Effect of Hapten Valency on Murine Tumor Uptake  
*David A. Goodwin, Claude E. Meares, Maureen McTigue, Warak Chaovapong, Carol I. Diamanti, Charles H. Ransone and Michael J. McCall*

## CASE REPORTS

**2014 Diffuse Thallium-201-Chloride Uptake in Hypermetabolic Bone Marrow Following Treatment with Granulocyte Stimulating Factor**  
*H.M. Abdel-Dayem, J. Sanchez, S. Al-Mohannadi and J. Kempf*

**2017 Abnormal Intracerebral Thallium Localization in a Bacterial Brain Abscess**  
*Lalitha Krishna, Walter J. Slizofski, Christos D. Katsetos, Somnath Nair, Simin Dadparvar, Steven J. Brown, Anita Chevres and Regina Roman*

**2020 PET Scanning of Iodine-124 3F8 as an Approach to Tumor Dosimetry During Treatment Planning for Radioimmunotherapy in a Child with Neuroblastoma**  
*Steven M. Larson, Keith S. Pentlow, Nora D. Volkow, Alfred P. Wolk, Ronald D. Finn, Richard M. Lambrecht, Martin C. Graham, Gene Di Resta, Bernard Bendriem, Farhad Daghighian, Samuel D.J. Yeh, G. J. Wang and Nai-Kong V. Cheung*

**2024 An Autonomously Functioning Thyroid Carcinoma Associated with Euthyroid Graves' Disease**  
*Takatoshi Michigishi, Yuji Mizukami, Noriyuki Shuke, Ryouzou Satake, Masakuni Noguchi, Tamio Aburano, Norihisa Tonami and Kinichi Hisada*

**2027 Indium-111-Leukocyte and Gallium-67 Imaging in Acute Sarcoidosis: Report of Two Patients**  
*Christopher J. Palestro, Barbara Schultz, Mark Horowitz and Alfred J. Swyer*

## METHODOLOGY

**2030 Dual-isotope Brain SPECT Imaging with Technetium-99m and Iodine-123: Validation by Phantom Studies**  
*Michael D. Devous, Sr., James L. Lowe and J. Kelly Payne*

## CLINICOPATHOLOGIC CONFERENCES

**2036 Ventilation Perfusion Lung Scanning in the Evaluation of Right-to-Left Shunting**  
*Harold I. Palevsky and Abass Alavi*

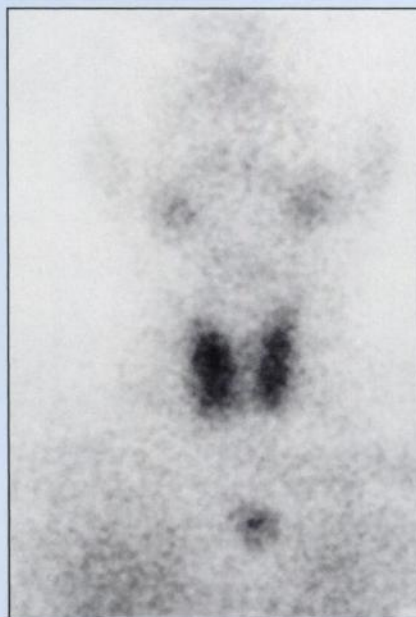
## DIURETIC AND CAPTOPRIL RENOGRAPHY

**2040 Prognostic Value of Captopril Renal Scintigraphy in Renovascular Hypertension**  
*Maurizio Dondi, Stefano Fanti, Arcangelo De Fabritiis, Alessandro Zuccala, Rossella Gaggi, Michele Mirrelli, Andrea Stella, Mario Marengo, Franco Losinno and Nino Monetti*

**2045 Editorial: Captopril Renal Scintigraphy—A Way to Distinguish Functional from Anatomic Renal Artery Stenosis**  
*Henry R. Black*

## FIRST IMPRESSIONS

Don't forget the mediastinum.  
For acquisition information, turn to page 1999.



**2047 The "Well Tempered" Diuretic Renogram: A Standard Method to Examine the Asymptomatic Neonate with Hydronephrosis or Hydroureteronephrosis**  
*James J. Conway and Max Maizels*

**2052 Diffuse Abdominal Uptake of Technetium-99m-Methylene Diphosphonate in a Patient on Continuous Ambulatory Dialysis During Bone Scintigraphy**  
*Gordon R. McDevitt, Jr., James D. Heironimus, Morakinyo Oyewole Toney and Jerome L. Billingsley*

## DEPARTMENTS

**1934 Self-Study Test**

**2055 Letters to the Editor**

**61A Calendar**

**66A New Products**

**70A Classified Advertising**

**75A JNM Direct Response**