

# JNM



Official Publication of  
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## SNM NEWSLINE

- 13N Technologists Explore New Career Directions**  
*Deborah Kotz*
- 16N Commentary: Clinical PET: Are We Ready?**  
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*David Nichols*
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## NUCLEAR CARDIOLOGY

- 1835 Recovery of Perfusion, Glucose Utilization and Fatty Acid Utilization in Stunned Myocardium**  
*Akiyoshi Tsubokawa, Jong-Dae Lee, Hiromasa Shimizu, Akira Nakano, Hiroyasu Uzui, Masayuki Takeuchi, Tatsuro Tsuchida, Yoshiharu Yonekura, Yasushi Ishii and Takanori Ueda*
- 1837 Acute Myocardial Infarction Followed by Technetium-99m-Sestamibi SPECT Imaging and Pathologic Correlation**  
*David G. Hurrell, William D. Edwards, Michael K. O'Connor and Raymond J. Gibbons*
- 1840 Technetium-99m MIBI to Assess Coronary Collateral Flow During Acute Myocardial Infarction in Two Closed-Chest Animal Models**  
*Timothy F. Christian, Michael K. O'Connor, Robert S. Schwartz, Raymond J. Gibbons and Erik L. Ritman*
- 1847 Flow Versus Uptake Comparisons of Thallium-201 with Technetium-99m Perfusion Tracers in a Canine Model of Myocardial Ischemia**  
*Michael J. Meleca, Anthony J. McGoron, Myron C. Gerson, Ronald W. Millard, Marjorie Gabel, Danuta Biniakiewicz, Nancy J. Roszell and Richard A. Walsh*
- 1857 Myocardial Kinetics of Iodine-123-BMIPP in Canine Myocardium After Regional Ischemia and Reperfusion: Implications for Clinical SPECT**  
*Ryohei Hosokawa, Ryuji Nohara, Yasuhisa Fujibayashi, Kazumi Okuda, Motonari Ogino, Tatsuhiko Hata, Masatoshi Fujita, Nagara Tamaki, Junji Konishi and Shigetake Sasayama*
- 1864 Trapping and Metabolism of Radioiodinated PHIPA 3-10 in the Rat Myocardium**  
*Michael Eisenhut, Wolf D. Lehmann, William E. Hull, Wilhelm W. Just, Johannes Hoffend, Jörg Zehelein and Rainer Zimmermann*

## 1870 Automated Interpretation of Myocardial SPECT Perfusion Images Using Artificial Neural Networks

*Dan Lindahl, John Palmer, Mattias Ohlsson, Carsten Peterson, Anders Lundin and Lars Edenbrandt*

## 1875 Quantification of Area at Risk in Acute Myocardial Infarction by Tomographic Imaging

*Yuhji Furutani, Toshiaki Shiigi, Yasuma Nakamura, Hiroshi Nakamura, Masahiko Harada, Takeshi Yamamoto, Takatoshi Wakevama, Masami Nakatsuka, Hiroshi Ogawa and Masunori Matsuzaki*

## 1882 Extracardiac Activity Complicates Quantitative Cardiac SPECT Imaging Using a Simultaneous Transmission-Emission Approach

*Eliot N. Heller, Paul DeMan, Yi-Hwa Liu, Donald P. Dione, I. George Zubal, Frans J.T. Wackers and Albert J. Sinusas*

## NUCLEAR NEUROLOGY

## 1891 Visual and Semiquantitative Analysis of Cortical FDG-PET Scans in Childhood Epileptic Encephalopathies

*Colin D. Ferrie, Paul K. Marsden, Michael N. Maisey and Richard O. Robinson*

## 1894 Hyperventilation Technetium-99m-HMPAO Brain SPECT in Moyamoya Disease to Assess Risk of Natural Childbirth

*Norihiko Kume, Kohei Hayashida, Yoriko Shimotsu and Naofumi Matsunaga*

## 1897 Technetium-99m-HMPAO, Technetium-99m-ECD and Iodine-123-IMP Cerebral Blood Flow Measurements with Pharmacological Interventions in Primates

*Irene C. Dormehl, Douglas W. Oliver, Karl-Josef Langen, Niek Hugo and Sandra A. Croft*

## 1902 Limitations of Dual-Photopeak Window Scatter Correction for Brain Imaging

*Robert E. Zimmerman, Benjamin B. Williams, Karen H. Chan, Stephen C. Moore and Marie Foley Kijewski*

## NUCLEAR ONCOLOGY

## 1907 Prediction of Survival with Fluorine-18-Fluorodeoxyglucose and PET in Head and Neck Cancer

*Heikki Minn, Maria Lapela, Pekka J. Klemi, Reidar Grenman, Sirkku Leskinen, Paula Lindholm, Jörgen Bergman, Esa Eronen, Merja Haaparanta and Heikki Joensuu*

## 1912 Distinction Between Hepatic Focal Nodular Hyperplasia and Malignant Liver Lesions Using Technetium-99m-Galactosyl-Neoglycoalbumin

*Amir Kurtaran, Christian Müller, Gottfried Novacek, Klaus Kaserer, Mustafa Mentes, Markus Raderer, Johann Pidlich, Klemens Eibenberger, Peter Angelberger and Irene Virgolini*

## 1915 Technetium-99m-Furifosmin as an Agent for Functional Imaging of Multidrug Resistance in Tumors

*James R. Ballinger, Tassawwar Muzzammil and Malcolm J. Moore*

## 1919 Radiation Dosimetry for Indium-111-Pentetreotide

*M.G. Stabin, P.P.M. Kooij, W.H. Bakker, T. Inoue, K. Endo, J. Coveney, R. de Jong and A. Minegishi*

**1923 Dosimetric Framework for Therapeutic Alpha-Particle Emitters**

*John C. Roeske and Thomas G. Stinchcomb*

**1929 D-Lysine Reduction of Indium-111 Octreotide and Yttrium-90 Octreotide Renal Uptake**

*Bert F. Bernard, Eric P. Krenning, Wout A.P. Breeman, Edgar J. Rolleman, Willem H. Bakker, Theo J. Visser, Helmut Mäcke and Marion de Jong*

**1934 Extracorporeal Immunoabsorption Compared to Avidin Chase: Enhancement of Tumor-to-Normal Tissue Ratio for Biotinylated Rhenium-188-Chimeric BR96**

*JianQing Chen, Sven-Erik Strand, Jan Tennvall, Lars Lindgren, Cecilia Hindorf and Hans-Olov Sjögren*

**1940 Lung Carcinoma Imaging Using a Synthetic Laminin Derivative Radiolabeled Peptide YIGSR**

*George Koliakos, Christos Trontzos, Kokkona Kouzi-Koliakos, Mary Kanellaki and Philippos Grammaticos*

**1944 Radioimmunotherapy Targeting of HER2/neu Oncoprotein on Ovarian Tumor Using Lead-212-DOTA-AE1**

*Eva Horak, Frank Hartmann, Kayhan Garmestani, Chuanchu Wu, Martin Brechbiel, Otto A. Gansow, Nicholas F. Landolfi and Thomas A. Waldmann*

**1951 Clinical Evaluation of Indium-111-Labeled Chimeric Anti-CEA Monoclonal Antibody**

*Jeffrey Y.C. Wong, Gail E. Thomas, Dave Yamauchi, Lawrence E. Williams, Tamara L. Odom-Maryon, An Liu, Jose M. Esteban, Michael Neumaier, Stephanie Dresse, Anna M. Wu, F. James Primus, John E. Shively and Andrew A. Raubitschek*

**1959 Pharmacokinetic Modeling and Absorbed Dose Estimation for Chimeric Anti-CEA Antibody in Humans**

*Tamara L. Odom-Maryon, Lawrence E. Williams, Akiko Chai, George Lopatin, An Liu, Jeffrey Y.C. Wong, Jeffrey Chou, Kenneth G. Clarke and Andrew A. Raubitschek*

**GENERAL NUCLEAR MEDICINE**

**1967 Transport of Carbon-11-Methionine Is Enhanced by Insulin**

*Sirkku Leskinen, Kari Pulkki, Juhani Knuuti, Olli Kirvelä, Pertti Lehtikoinen, Kjell Nägren, Ulla Ruotsalainen, Mika Teräs, Uno Wegelius and Eeva Salminen*

**1970 Fluoride Kinetics of the Axial Skeleton Measured in Vivo with Fluorine-18-Fluoride PET**

*Christiaan Schiepers, Johan Nuyts, Guy Bormans, Jan Dequeker, Roger Bouillon, Luc Mortelmans, Alfons Verbruggen and Michel De Roo*

**1977 False-Positive Whole-Body Iodine-131 Scan Due to Intrahepatic Duct Dilatation**

*Dong-Ling You, Kai-Yuan Tzen, Jung-Fu Chen, Pan-Fu Kao and Ming-Fong Tsai*

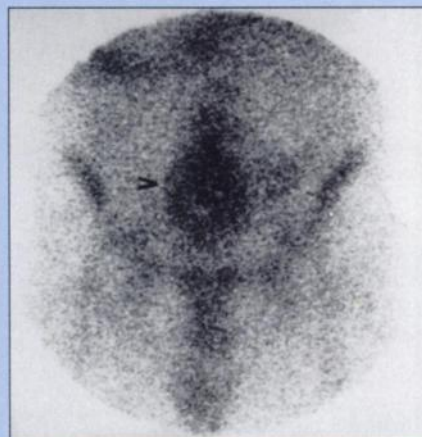
**1979 False-Positive Somatostatin Receptor Scintigraphy Due to an Accessory Spleen**

*R. Lebtahi, G. Cadiot, J.P. Marmuse, C. Vissuzaine, Y. Petegnief, A. Courillon-Mallet, D. Cattan, M. Mignon and D. Le Guludec*

**FIRST IMPRESSIONS**

Midline <sup>67</sup>Ga activity at 72 hr.

For acquisition information, turn to page 1981.



**1982 Dosimetry of Pediatric Radiopharmaceuticals: Uniformity of Effective Dose and a Simple Aid for Its Estimation**

*Terry Smith, Kenneth Evans, Mark F. Lythgoe, Peter J. Anderson and Isky Gordon*

**1987 Optimization of the Scintigraphic Segmental Anatomy of the Lungs**

*John S. Magnussen, Peter Chicco, Amanda W. Palmer, Douglas W. Mackey, Michael Magee, I. Provan C. Murray, George Bautovich, Kevin Allman, Geoffrey Storey and Hans Van der Wall*

**1992 Three-Window Transformation Cross-Talk Correction for Simultaneous Dual-Isotope Imaging**

*Karin Knešaurek and Josef Machac*

**1999 Skeletal Scintigraphy with Technetium-99m-Tetraphenyl Porphyrin Sulfonate for the Detection and Determination of Osteomyelitis in an Animal Model**

*S.A. Ali, F. Cesani, M.L. Nusynowitz, E.G. Briscoe, M.E. Shirliff and J.T. Mader*

**CLINICAL PATHOLOGICAL CORRELATION**

**2003 Enthesopathies, Inflammatory Spondyloarthropathies and Bone Scintigraphy**

*David Groshar, Michael Rozenbaum and Itzhak Rosner*

**DEPARTMENTS**

**2002** Erratum

**2006** Letters to the Editor

**2008** Erratum

**2009** Erratum

**40A** Calendar

**42A** Classified Advertising

**46A** JNM Direct Response

**11** 1997 Author and Subject Index