



Official Publication of  
the Society of Nuclear Medicine

SNM NEWSLINE

- 13N **Imaging Institute Bill Pends as Congressional Recess Approaches**  
*William Uffelman and Amanda Sullivan*
- 14N **Public Affairs Update**  
*William Uffelman and Amanda Sullivan*
- 17N **The Unveiled Heart Tour: Paris, Burgundy, Beaujolais, Lyon**  
*Roland Itti*
- 18N **EANM Task Group on Quality Assurance and Standardization**  
*Helena R. Balon*
- 23N **Nuclear Medicine at the RSNA**
- 26N **The Father of Nuclear Medicine: Establishing Paternity**  
*Dennis D. Patton*
- 32N **Newsbriefs**

CLINICAL INVESTIGATIONS

- 1771 **The Prognostic Value of Perfusion Lung Scintigraphy in Patients Who Underwent Single-Lung Transplantation for Emphysema and Pulmonary Fibrosis**  
*Ruth Hardoff, Adam P. Steinmetz, Yodphat Krausz, Zvi Bar-Sever, Mili Liani, and Mordchai R. Kramer*
- 1777 **The Diagnostic Value of  $^{123}\text{I}$ -IMP SPECT in Non-Hodgkin's Lymphoma of the Central Nervous System**  
*Yasuhiko Akiyama, Kouzo Moritake, Toshiki Yamasaki, Yoriyoshi Kimura, Akira Kaneko, Yoshiaki Yamamoto, Takeshi Miyazaki, and Mitsuhiro Daisu*
- 1784 **Parametric Images of Blood Flow in Oncology PET Studies Using  $^{15}\text{O}$ Water**  
*Martin A. Lodge, Richard E. Carson, Jorge A. Carrasquillo, Millie Whatley, Steven K. Libutti, and Stephen L. Bacharach*
- 1793 **L-3- $^{123}\text{I}$ Iodo- $\alpha$ -Methyltyrosine Scintigraphy in Carcinoid Tumors: Correlation with Biochemical Activity and Comparison with  $^{111}\text{In}$ -DTPA-D-Phe $^1$ -Octreotide Imaging**  
*Pieter L. Jager, Wim G. Meijer, Ido P. Kema, Pax H.B. Willemse, D. Albertus Piers, and Elisabeth G.E. de Vries*
- 1801 **Assessment of Malignancy in Pulmonary Lesions: FDG Dual-Head Coincidence Gamma Camera Imaging in Association with Serum Tumor Marker Measurement**  
*Valérie Bousson, Jean-Luc Moretti, Pierre Weinmann, Nour Safi, Feyzi Tamgac, Corinne Groiselle, Virginie de Beco, Younes Hillali, Dominique Valeyre, and Jean-Luc Breau*
- 1808  **$^{111}\text{In}$ -Pentetreotide Scintigraphy in Patients with Langerhans' Cell Histiocytosis**  
*Pierre Weinmann, Bruno Crestani, Abdelatif Tazi, Thierry Genereau, Hervé Mal, Michel Aubier, Dominique Valeyre, Jean-Luc Moretti, Dominique Le Guludec, and Rachida Lebtahi*
- 1813 **MAG $_3$ -F $_0$  Scintigraphy in Decision Making for Emergency Intervention in Renal Colic After Helical CT Positive for a Urolith**  
*George N. Sfakianakis, David J. Cohen, Rachel H. Braunstein, Raymond J. Leveillee, Isaias Lerner, Vincent G. Bird, Efrosyni Sfakianakis, Michalakis F. Georgiou, Norman L. Block, and Charles M. Lynne*
- 1823 **Quantitative Comparison of Automatic and Interactive Methods for MRI-SPECT Image Registration of the Brain Based on 3-Dimensional Calculation of Error**  
*Thomas Pfluger, Christian Vollmar, Axel Wismüller, Stefan Dresel, Frank Berger, Patrick Suntheim, Gerda Leinsinger, and Klaus Hahn*
- 1830 **In Vivo Delineation of 5-HT $_{1A}$  Receptors in Human Brain with  $^{18}\text{F}$ JMPPF**  
*Jan Passchier, Aren van Waarde, Remge M. Pieterman, Philip H. Elsinga, Jan Pruim, Harry N. Hendrikse, Antoon T.M. Willemsen, and Willem Vaalburg*
- 1836 **Acetazolamide Stress Brain-Perfusion SPECT Predicts the Need for Carotid Shunting During Carotid Endarterectomy**  
*Jae Seung Kim, Dae Hyuk Moon, Geun Eun Kim, Yong Pil Cho, Jong Sung Kim, Jin Sook Ryu, and Hee Kyung Lee*
- 1842 **Does Cerebral Blood Flow Decline in Healthy Aging? A PET Study with Partial-Volume Correction**  
*Carolyn Cidis Meltzer, Michael N. Cantwell, Phil J. Greer, Doron Ben-Eliezer, Gwenn Smith, Guido Frank, Walter H. Kaye, Patricia R. Houck, and Julie C. Price*

**1849 Invited Commentary: Importance of Partial-Volume Correction in Brain PET Studies**

*Ferruccio Fazio and Daniela Perani*

**1851 Results of Preliminary Clinical Trials of the Positron Emission Mammography System PEM-I: A Dedicated Breast Imaging System Producing Glucose Metabolic Images Using FDG**

*Kavita Murthy, Marianne Aznar, Christopher J. Thompson, Antoine Loutfi, Robert Lisbona, and Jean H. Gagnon*

**1859 Invited Commentary: Limited Angle, Limited Approach?**

*Peter P. van Rijk and Alice J. van Dongen*

CONTINUING EDUCATION

**1861 PET in Differentiation of Recurrent Brain Tumor from Radiation Injury**

*Daniel D. Langleben and George M. Segall*

BASIC SCIENCE INVESTIGATIONS

**1868 Therapeutic <sup>131</sup>I in Outpatients: A Simplified Method Conforming to the Code of Federal Regulations, Title 10, Part 35.75**

*Leonard R. Coover, Edward B. Silberstein, Phyllis J. Kuhn, and Mark W. Graves*

**1876 Invited Commentary: <sup>131</sup>I Therapy: Inpatient or Outpatient?**

*John M.H. de Klerk*

**1879 Three-Dimensional Stereotactic Surface Projection Analysis of Macaque Brain PET: Development and Initial Applications**

*Donna J. Cross, Satoshi Minoshima, Shintaro Nishimura, Akihiro Noda, Hideo Tsukada, and David E. Kuhl*

**1888 Invited Commentary: Anatomic Standardization, Although Controversial, Finds Yet Another Application**

*Michio Senda*

**1892 Effects of <sup>90</sup>Y-Microspheres on Liver Tumors: Comparison of Intratumoral Injection Method and Intra-Arterial Injection Method**

*Wan-Yu Lin, Shih-Chuan Tsai, Jih-Fang Hsieh, and Shyh-Jen Wang*

**1898 Establishment and Characterization of a Breast Cancer Cell Line Expressing Na<sup>+</sup>/I<sup>-</sup> Symporters for Radioiodide Concentrator Gene Therapy**

*Yuji Nakamoto, Tsuneo Saga, Takashi Misaki, Hisataka Kobayashi, Noriko Sato, Takayoshi Ishimori, Shinji Kosugi, Harumi Sakahara, and Junji Konishi*

**1905 Optimizing the Sequence of Combination Therapy with Radiolabeled Antibodies and Fractionated External Beam**

*Shutian Ruan, Joseph A. O'Donoghue, Steven M. Larson, Ronald D. Finn, Achim Jungbluth, Sydney Welt, and John L. Humm*

**1913 Streak Artifact Reduction in Filtered Backprojection Using a Level Line-Based Interpolation Method**

*Philippe P. Bruyant, Jacques Sau, and Jean-Jacques Mallet*

SPECIAL CONTRIBUTIONS

**1920 FDG PET Imaging in Patients with Pathologically Verified Dementia**

*John M. Hoffman, Kathleen A. Welsh-Bohmer, Michael Hanson, Barbara Crain, Christine Hulette, Nancy Earl, and R. Edward Coleman*

**1929 Invited Commentary: Evaluating Dementia Using PET: How Do We Put into Clinical Perspective What We Know to Date?**

*Daniel H.S. Silverman and Michael E. Phelps*

DEPARTMENTS

**1933 Letters to the Editor**

**37A Calendar**

**41A Classified Advertising**

**44A JNM Direct Response**

JNM ON LINE

**Continuing Education Article: PET in Differentiation of Recurrent Brain Tumor from Radiation Injury**

[www.snm.org/education/ce\\_online.html](http://www.snm.org/education/ce_online.html)

**November JNM Table of Contents and Abstracts**

[www.snm.org/about/oldjnmabs/jnm\\_abscurr.html](http://www.snm.org/about/oldjnmabs/jnm_abscurr.html)

**Newsline On Line**

[www.snm.org/about/news\\_order.html](http://www.snm.org/about/news_order.html)

**Information for Authors**

[www.snm.org/about/jnm\\_authors.html](http://www.snm.org/about/jnm_authors.html)