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13N Imaging Institute Bill Pends as Congressional Recess Approaches

14N Public Affairs Update
William Uffelman and Amanda Sullivan

17N The Unveiled Heart Tour: Paris, Burgundy, Beaujolais, Lyon
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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 123I-IMP SPECT in Non-Hodgkin’s Lymphoma of the Central Nervous System
Yasuhiro Akiyama, Kouzo Moritake, Toshiki Yamasaki, Yorioshi Kimura, Akira Kaneko, Yoshiaki Yamamoto, Takeshi Miyazaki, and Mitsuhirou Daisu

1784 Parametric Images of Blood Flow in Oncology PET Studies Using [18O]Water
Martin A. Lodge, Richard E. Carson, Jorge A. Carrasquillo, Millie Whatley, Steven K. Libutti, and Stephen L. Bacharach

1793 L-3-[123I]Iodo-α-Methyltyrosine Scintigraphy in Carcinoid Tumors: Correlation with Biochemical Activity and Comparison with [111In-DTPA-o-Phe1]-Octreotide Imaging

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 Tüm, Corinne Groiselle, Virginie de Bec, Younes Hillali, Dominique Valeyre, and Jean-Luc Brea

1808 111In-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 Guleduc, and Rachida Lebtah

1813 MAG3-F0 Scintigraphy in Decision Making for Emergency Intervention in Renal Colic After Helical CT Positive for a Urolith

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-HT1A Receptors in Human Brain with [18F]MPPF
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 $^{131}$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. Kahn, and Mark W. Graves

#### 1876 Invited Commentary: $^{131}$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 $^{90}$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$^+/I^-$ 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

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### JNM ON LINE

Continuing Education Article: PET in Differentiation of Recurrent Brain Tumor from Radiation Injury
www.snm.org/education/ce_online.html

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