



Official Publication of  
the Society of Nuclear Medicine

#### SNM NEWSLINE

- 13N** MIRDSE 3 Distribution Suspended
- 20N** Jaszczak Receives 2000 Aebersold Award
- 24N** Public Affairs Update  
*William Uffelman and Amanda Sullivan*
- 28N** Newsbriefs

#### CLINICAL INVESTIGATIONS

- 965** The Role of Exercise Radionuclide Angiocardiology in Predicting Future Cardiac Events in Patients with Acute Myocardial Infarction  
*Toshiki Shigeyama, Atsuo Yanagisawa, and Kyoza Ishikawa*
- 973** Effects of Left Bundle Branch Block on Myocardial FDG PET in Patients Without Significant Coronary Artery Stenoses  
*Pierluigi Zanco, Alessandro Desideri, Gianni Mobilia, Serena Cargnel, Elisa Milan, Leopoldo Celegon, Riccardo Buchberger, and Giorgio Ferlin*
- 978** Coronary Microangiopathy in Type 2 Diabetic Patients: Relation to Glycemic Control, Sex, and Microvascular Angina Rather Than to Coronary Artery Disease  
*Ikuo Yokoyama, Katsunori Yonekura, Tohru Ohtake, Weidong Yang, Wee Soo Shin, Nobuhiro Yamada, Kuni Ohtomo, and Ryoza Nagai*
- 986** How Accurate Is Dimercaptosuccinic Acid Scintigraphy for the Diagnosis of Acute Pyelonephritis? A Meta-Analysis of Experimental Studies  
*Jonathan C. Craig, Danielle M. Wheeler, Les Irwig, and Robert B. Howman-Giles*

- 994** Decreased Dopamine Transporter Binding in Machado-Joseph Disease  
*Tzu-Chen Yen, Chin-Song Lu, Kai-Yuan Tzen, Shiaw-Pyng Wey, Yah-Huei Wu Chou, Yi-Hsin Weng, Pan-Fu Kao, and Gann Ting*
- 999** Metabolic Response of Non-Hodgkin's Lymphoma to  $^{131}\text{I}$ -Anti-B1 Radioimmunotherapy: Evaluation with FDG PET  
*Tatsuo Torizuka, Kenneth R. Zasadny, Paul V. Kison, Stephen G. Rommelfanger, Mark S. Kaminski, and Richard L. Wahl*
- 1006** Thyroid Cancer Prevalence After Radioiodine Treatment of Hyperthyroidism  
*Tiziana Angusti, Alessandra Codegone, Riccardo Pellerito, and Alessandro Favero*
- 1010** FDG PET of Recurrent or Metastatic  $^{131}\text{I}$ -Negative Papillary Thyroid Carcinoma  
*Naheel S. Alnafisi, Albert A. Driedger, Geoffrey Coates, Douglas J. Moot, and Simon J. Raphael*
- 1016** Safety and Efficacy of Arcitumomab Imaging in Colorectal Cancer After Repeated Administration  
*William A. Wegener, Nicholas Petrelli, Aldo Serafini, and David M. Goldenberg*
- 1021** Decreased Serum E-Selectin Concentration After  $^{89}\text{Sr}$ -Chloride Therapy for Metastatic Prostate Cancer Bone Pain  
*Frank J. Papatheofanis*
- 1025** Kidney Function After Radical Nephrectomy: Assessment by Quantitative SPECT of  $^{99\text{m}}\text{Tc}$ -DMSA Uptake by the Kidneys  
*Simona Ben-Haim, Vladimir Sopov, Avi Stein, Boaz Moskovitz, Avi Front, Yoel Mecz, Levy Las, Alexander Kastin, Ofer Nativ, and David Groshar*
- 1030** Diuretic Renography with the Addition of Quantitative Gravity-Assisted Drainage in Infants and Children  
*David C. Wong, Monica A. Rossleigh, and Robert H. Farnsworth*
- 1037** Diuretic MAG3 Scintirenography in Children with HIV Nephropathy: Diffuse Parenchymal Dysfunction  
*George N. Sfakianakis, Antonio J. Carmona, Amita Sharma, Jose Strauss, Michalakis F. Georgiou, Gaston E. Zilleruelo, Carolyn A. Abitbol, and Brenda S. Montane*
- 1043** Incomplete Recovery of Lung Perfusion After 3 Months in Patients with Acute Pulmonary Embolism Treated with Antithrombotic Agents  
*Myriam Wartski and Marie-Anne Collignon, for the THESEE Study Group*

**1049 Invited Commentary: The Chronic Perfusion Defect: Our Knowledge Is Still Hazy, but the Message Is Clear**

*Alexander Gottschalk*

**CONTINUING EDUCATION**

**1051 Scintillation Crystals for PET**

*Charles L. Melcher*

**BASIC SCIENCE INVESTIGATIONS**

**1056 Imaging Pulmonary Emboli and Deep Venous Thrombi with <sup>99m</sup>Tc-Bitistatin, a Platelet-Binding Polypeptide from Viper Venom**

*Linda C. Knight, Kwamena E. Baidoo, Jan E. Romano, Jerome L. Gabriel, and Alan H. Maurer*

**1065 Invited Commentary: Use of Radiolabeled Peptides to Image Deep Venous Thrombosis and Pulmonary Embolism**

*Pietro Muto and Secondo Lastoria*

**1067 PET with a Dual-Head Coincidence Camera: Spatial Resolution, Scatter Fraction, and Sensitivity**

*Wolf-Dietrich Kunze, Manfred Baehre, and Eckhart Richter*

**1075 Spatial and Temporal Registration of CT and SPECT Images: Development and Validation of a Technique for In Vivo Three-Dimensional Semiquantitative Analysis of Bone**

*Mark P. Bernstein, Curtis B. Caldwell, Oleh M. Antonyshyn, Perry W. Cooper, and Lisa E. Ehrlich*

**1082 Radioiodine Uptake in Thyroid Remnants During Therapy After Tracer Dosimetry**

*Henry W.D. Yeung, John L. Humm, and Steven M. Larson*

**1086 Comparison of 4 Methods for Quantification of Dopamine Transporters by SPECT with [<sup>123</sup>I]IACFT**

*Ali A. Bonab, Alan J. Fischman, and Nathaniel M. Alpert*

**1093 DNA Cleavage by <sup>111</sup>In-Labeled Oligodeoxyribonucleotides**

*Valeri N. Karamychev, Igor G. Panyutin, Meyong-Kon Kim, Nhat Le, Chang H. Paik, Jorge A. Carrasquillo, Michael W. Reed, and Ronald D. Neumann*

**1102 Kinetics of a Putative Hypoxic Tracer, <sup>99m</sup>Tc-HL91, in Normoxic, Hypoxic, Ischemic, and Stunned Myocardium**

*Kenichi Imahashi, Kenichi Morishita, Hideo Kusuoka, Yoshihiro Yamamichi, Shinji Hasegawa, Katsuji Hashimoto, Yoshifumi Shirakami, Makoto Kato-Azuma, and Tsunehiko Nishimura*

**1108 Interferon- $\alpha$ -2b Immunoconjugate for Improving Immunoscintigraphy and Immunotherapy**

*Venkat R. Pallela, Sampath P. Rao, and Mathew L. Thakur*

**1114 <sup>99m</sup>Tc-HYNIC-[Tyr<sup>3</sup>]-Octreotide for Imaging Somatostatin-Receptor-Positive Tumors: Preclinical Evaluation and Comparison with <sup>111</sup>In-Octreotide**

*Clemens Decristoforo, Laura Melendez-Alafort, Jane K. Sosabowski, and Stephen J. Mather*

**DEPARTMENTS**

**1120 Letters to the Editor**

**35A Information for Authors**

**38A Calendar**

**40A Classified Advertising**

**44A JNM Direct Response**

**JNM ON LINE**

Continuing Education Article:  
Scintillation Crystals for PET  
[www.snm.org/education/ce\\_online.html](http://www.snm.org/education/ce_online.html)

June 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)