

SNM NEWSLINE

- 13N** **Commentary: Are You Ready?**
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- 14N** **SNM Salutes Outstanding Contributors at 54th Annual Meeting**
- 18N** **Watson Receives Loevinger–Berman Award**
George Sgouros
- 22N** **Molecular Imaging Update: Ultrasound Molecular Imaging: On the Move**
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- 27N** **Maintenance of Certification Update: Part IV of MOC: What Is It?**
Henry D. Royal
- 28N** **SNM Leadership Update: How Do We Introduce the Next Generation of Radiotracers into Clinical Practice?**
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- 29N** **Health Policy Update: Senate Appropriators Restore Funding for Basic Nuclear Medicine Research at DOE**
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- 31N** **Newsbriefs**
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- 1405** **A Reduced Role of V/Q Scintigraphy in the Diagnosis of Acute Pulmonary Embolism**
Arnold M. Strashun
- 1408** **Quantum Dots: A Quantum Jump for Molecular Imaging?**
Kyung-Han Lee

CLINICAL INVESTIGATIONS

- 1411** **Very Low Probability Interpretation of V/Q Lung Scans in Combination with Low Probability Objective Clinical Assessment Reliably Excludes Pulmonary Embolism: Data from PIOPED II**
Alexander Gottschalk, Paul D. Stein, H. Dirk Sostman, Fadi Matta, and Afzal Beemath

- 1416** **Diagnosis of Diffuse and Localized Arrhythmogenic Right Ventricular Dysplasia by Gated Blood-Pool SPECT**

Denis Mariano-Goulart, Laurent Déchaux, François Rouzet, Eric Barbotte, Charles Caderas de Kerleau, Michel Rossi, and Dominique Le Guludec

- 1424** **Added Value of Coronary Artery Calcium Score as an Adjunct to Gated SPECT for the Evaluation of Coronary Artery Disease in an Intermediate-Risk Population**

Tiziano Schepis, Oliver Gaemperli, Pascal Koepfli, Mehdi Namdar, Ines Valenta, Hans Scheffel, Sebastian Leschka, Lars Husmann, Franz R. Eberli, Thomas F. Luscher, Hatem Alkadhi, and Philipp A. Kaufmann

- 1431** **Application of ^{99m}Tc-Pertechnetate Scintigraphy to Microvascular Autologous Transplantation of the Submandibular Gland in Patients with Severe Keratoconjunctivitis Sicca**

Lei Zhang, Zheng-Hong Zhu, Hao-Jie Dai, Zhi-Gang Cai, Chi Mao, Xin Peng, and Guang-Yan Yu

- 1436** **Tumor Imaging Using 1-(2'-deoxy-2'-¹⁸F-Fluoro-β-D-Arabinofuranosyl)Thymine and PET**

Omid S. Tehrani, Otto Muzik, Lance K. Heilbrun, Kirk A. Douglas, Jawana M. Lawhorn-Crews, Haihao Sun, Thomas J. Mangner, and Anthony F. Shields

- 1442** **Role of ^{99m}Tc-Octreotide Acetate Scintigraphy in Suspected Lung Cancer Compared with ¹⁸F-FDG Dual-Head Coincidence Imaging**

Feng Wang, Zizheng Wang, Weixuan Yao, Hong Xie, Jie Xu, and Li Tian

- 1449** **Early Prediction of Response to Chemotherapy and Survival in Malignant Pleural Mesothelioma Using a Novel Semiautomated 3-Dimensional Volume-Based Analysis of Serial ¹⁸F-FDG PET Scans**

Roslyn J. Francis, Michael J. Byrne, Agatha A. van der Schaaf, Jan A. Boucek, Anna K. Nowak, Michael Phillips, Richard Price, Andrew P. Patrikeos, A. William Musk, and Michael J. Millward

- 1459** **Validation of a Standardized Normalization Template for Statistical Parametric Mapping Analysis of ¹²³I-FP-CIT Images**

Aurélie Kas, Pierre Payoux, Marie-Odile Habert, Zoulikha Malek, Yann Cointepas, Georges El Fakhri, Philippe Chaumet-Riffaud, Emmanuel Itti, and Philippe Remy

CONTINUING EDUCATION

- 1468** **Clinical Applications of PET in Brain Tumors**
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- 1482** **Detection of Secondary Thalamic Degeneration After Cortical Infarction Using *cis*-4-¹⁸F-Fluoro-D-Proline**
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- 1492** Validation of an Extracerebral Reference Region Approach for the Quantification of Brain Nicotinic Acetylcholine Receptors in Squirrel Monkeys with PET and 2-¹⁸F-Fluoro-A-85380
Bernard Le Foll, Svetlana I. Chefer, Alane S. Kimes, Dean Shumway, Steven R. Goldberg, Elliot A. Stein, and Alexey G. Mukhin
- 1501** Dual-Labeled Trastuzumab-Based Imaging Agent for the Detection of Human Epidermal Growth Factor Receptor 2 Overexpression in Breast Cancer
Lakshmi Sampath, Sunkuk Kwon, Shi Ke, Wei Wang, Rachel Schiff, Michel E. Mawad, and Eva M. Sevick-Muraca
- 1511** microPET-Based Biodistribution of Quantum Dots in Living Mice
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- 1519** A Transfectant Mosaic Xenograft Model for Evaluation of Targeted Radiotherapy in Combination with Gene Therapy In Vivo
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- 1527** Performance Measurement of the microPET Focus 120 Scanner
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- 1536** microPET of Tumor Integrin $\alpha_v\beta_3$ Expression Using ¹⁸F-Labeled PEGylated Tetrameric RGD Peptide (¹⁸F-FPRGD4)
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- 1545** Influence of Chelate Conjugation on a Newly Identified Tumor-Targeting Peptide
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- 1553** Doxorubicin Enhances the Expression of Transgene Under Control of the CMV Promoter in Anaplastic Thyroid Carcinoma Cells
Kwang Il Kim, Joo Hyun Kang, June-Key Chung, Yong Jin Lee, Jae Min Jeong, Dong Soo Lee, and Myung Chul Lee

- 1562** Epidermal Growth Factor Receptor Inhibition Modulates the Nuclear Localization and Cytotoxicity of the Auger Electron-Emitting Radiopharmaceutical ¹¹¹In-DTPA-Human Epidermal Growth Factor
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UPCOMING EDUCATION ARTICLES

MIRD Continuing Education: Bystander and Low-Dose-Rate Effects: Are These Relevant to Radionuclide Therapy?

George Sgouros, Susan J. Knox, Michael C. Joiner, William F. Morgan, and Amin I. Kassis

For CE credit, you can access Continuing Education Activities through the SNM Web site (http://www.snm.org/ce_online)