

SNM NEWSLINE

- 15N** Image of the Year Emphasizes Gene–Brain–Behavior Relationship in Male Aggression
- 16N** Coleman Presented with de Hevesy Nuclear Pioneer Award
- 18N** Aebersold Award Presented to Zalutsky
- 19N** Tetalman Award Presented to Kupinski
- 20N** Outstanding JNM Articles for 2006
- 21N** SNMTS Honors Member Contributions, Achievements
- 23N** Outstanding JNMT Articles for 2006
- 24N** Nuclear Medicine and the Stark Truth: What Are the Rules?
Thomas W. Greeson
- 28N** McEwan Takes Office as SNM President; Gilmore Begins Term as Technologist Section President
- 30N** Molecular Imaging Update: Molecular Imaging of Cancer
Carolyn J. Anderson
- 30N** Maintenance of Certification Update: Self-Assessment Credit: What SNM Is Doing to Help
N. Lynn Barnes
- 31N** SNM Leadership Update: Molecular Imaging ... Realistically ... An Evolution in Nuclear Medicine Practice
Alexander J. McEwan
- 32N** SNMTS Leadership Update: Doing More ... Together
David Gilmore
- 34N** Health Policy Update: Policy and Regulatory News from SNM, Capitol Hill, and Beyond
Hugh Cannon
- 35N** Newsbriefs
- 39N** From the Literature

INVITED PERSPECTIVE

- 1039** Carbon Nanotubes: Potential Benefits and Risks of Nanotechnology in Nuclear Medicine
Raymond M. Reilly

CLINICAL INVESTIGATIONS

- 1043** Comparison of Outcomes After ^{123}I Versus ^{131}I Preablation Imaging Before Radioiodine Ablation in Differentiated Thyroid Carcinoma
Edward B. Silberstein
- 1047** Spatial Heterogeneity of Low-Grade Gliomas at the Capillary Level: A PET Study on Tumor Blood Flow and Amino Acid Uptake
Matthias T. Wyss, Silvia Hofer, Martin Hefli, Esther Bärtschi, Catrina Uhlmann, Valerie Treyer, and Ulrich Roelcke
- 1053** Noninvasive Assessment of Crohn's Disease Intestinal Lesions with ^{18}F -FDG PET/CT
Edouard Louis, Geoffrey Ancion, Arnaud Colard, Veronique Spote, Jacques Belaiche, and Roland Hustinx
- 1060** Effective Methods to Correct Contrast Agent-Induced Errors in PET Quantification in Cardiac PET/CT
Florian Büther, Lars Stegger, Mohammad Dawood, Felix Range, Michael Schäfers, Roman Fischbach, Thomas Wichter, Otmar Schober, and Klaus P Schäfers
- 1069** Impact of Myocardial Perfusion Imaging with PET and ^{82}Rb on Downstream Invasive Procedure Utilization, Costs, and Outcomes in Coronary Disease Management
Michael E. Merhige, William J. Breen, Victoria Shelton, Teresa Houston, Brian J. D'Arcy, and Anthony F. Perna
- 1077** Brown Fat Imaging with ^{18}F -6-Fluorodopamine PET/CT, ^{18}F -FDG PET/CT, and ^{123}I -MIBG SPECT: A Study of Patients Being Evaluated for Pheochromocytoma
Mohiuddin Hadi, Clara C. Chen, Millie Whatley, Karel Pacak, and Jorge A. Carrasquillo
- 1084** Comparison of SPECT/CT, SPECT, and Planar Imaging with Single- and Dual-Phase $^{99\text{m}}\text{Tc}$ -Sestamibi Parathyroid Scintigraphy
William C. Lavelly, Sibyll Goetze, Kent P. Friedman, Jeffrey P. Leal, Zhe Zhang, Elizabeth Garret-Mayer, Alan P. Dackiw, Ralph P. Tufano, Martha A. Zeiger, and Harvey A. Ziessman
- 1090** Attenuation Correction in Myocardial Perfusion SPECT/CT: Effects of Misregistration and Value of Reregistration
Sibyll Goetze, Tracy L. Brown, William C. Lavelly, Zhe Zhang, and Frank M. Bengel
- 1096** Comparison of Contrast-Enhanced MRI with ^{18}F -FDG PET/ ^{201}Tl SPECT in Dysfunctional Myocardium: Relation to Early Functional Outcome After Surgical Revascularization in Chronic Ischemic Heart Disease
Yen-Wen Wu, Eiji Tadamura, Masaki Yamamuro, Shotaro Kanao, Akira Marui, Keiichi Tanabara, Masashi Komeda, and Kaori Togashi
- 1104** Can LV Dyssynchrony as Assessed with Phase Analysis on Gated Myocardial Perfusion SPECT Predict Response to CRT?
Maureen M. Henneman, Ji Chen, Petra Dibbets-Schneider, Marcel P. Stokkel, Gabe B. Bleeker, Claudia Ypenburg, Ernst E. van der Wall, Martin J. Schalij, Ernest V. Garcia, and Jeroen J. Bax

- 1112** Frequent Diagnostic Errors in Cardiac PET/CT Due to Misregistration of CT Attenuation and Emission PET Images: A Definitive Analysis of Causes, Consequences, and Corrections
K. Lance Gould, Tinsu Pan, Catalin Loghin, Nils P. Johnson, Ashrith Guha, and Stefano Sdringola

- 1122** Quantitative ^{82}Rb PET/CT: Development and Validation of Myocardial Perfusion Database
Cesar A. Santana, Russell D. Folks, Ernest V. Garcia, Liudmila Verdes, Rupan Sanyal, Jon Hainer, Marcelo F. Di Carli, and Fabio P. Esteves

BRIEF COMMUNICATION

- 1129** ^{18}F -FDG PET Database of Longitudinally Confirmed Healthy Elderly Individuals Improves Detection of Mild Cognitive Impairment and Alzheimer's Disease
Lisa Mosconi, Wai Hon Tsui, Alberto Pupi, Susan De Santi, Alexander Drzezga, Satoshi Minoshima, and Mony J. de Leon

CONTINUING EDUCATION

- 1135** Assessment of Myocardial Viability in Patients with Heart Failure
Arend F.L. Schinkel, Don Poldermans, Abdou Elhendy, and Jeroen J. Bax

BASIC SCIENCE INVESTIGATIONS

- 1147** Modulation of Dopaminergic and Glutamatergic Brain Function: PET Studies on Parkinsonian Rats
Daniela Pellegrino, Francesca Cichetti, Xukui Wang, Aijun Zhu, Mexiang Yu, Martine Saint-Pierre, and Anna-Liisa Brownell
- 1154** Disulfiram Inhibits Defluorination of ^{18}F -FCWAY, Reduces Bone Radioactivity, and Enhances Visualization of Radioligand Binding to Serotonin $5\text{-HT}_{1\text{A}}$ Receptors in Human Brain
Yong Hoon Ryu, Jieh-San Liow, Sami Zoghbi, Masahiro Fujita, Jerry Collins, Dnyanesh Tipre, Janet Sangare, Jinsoo Hong, Victor W. Pike, and Robert B. Innis
- 1162** ^{64}Cu -Labeled Tetrameric and Octameric RGD Peptides for Small-Animal PET of Tumor $\alpha_v\beta_3$ Integrin Expression
Zi-bo Li, Weibo Cai, Qizhen Cao, Kai Chen, Zhanhong Wu, Lina He, and Xiaoyuan Chen
- 1172** Small-Animal PET of Tumor Angiogenesis Using a ^{76}Br -Labeled Human Recombinant Antibody Fragment to the ED-B Domain of Fibronectin
Raffaella Rossin, Dietmar Berndorff, Matthias Friebe, Ludger M. Dinkelborg, and Michael J. Welch
- 1180** Tumor Targeting with Antibody-Functionalized, Radiolabeled Carbon Nanotubes
Michael R. McDevitt, Debjit Chattopadhyay, Barry J. Kappel, Jaspreet Singh Jaggi, Scott R. Schiffman, Christophe Antczak, Jon T. Njardarson, Renier Brentjens, and David A. Scheinberg

- 1190** Radiopharmaceutical Chemistry of Targeted Radiotherapeutics, Part 3: α -Particle-Induced Radiolytic Effects on the Chemical Behavior of ^{211}At
Oscar R. Pozzi and Michael R. Zalutsky

- 1197** A New Tool for Molecular Imaging: The Microvolumetric β Blood Counter
Laurence Convert, Guillaume Morin-Brassard, Jules Cadorette, Mélanie Archambault, M'hamed Bentourkia, and Roger Lecomte

- 1207** Evaluation of the Metabotropic Glutamate Receptor Subtype 5 Using PET and ^{11}C -ABP688: Assessment of Methods
Valerie Treyer, Johannes Streffer, Matthias T. Wyss, Andrea Bettio, Simon M. Ametamey, Uta Fischer, Mark Schmidt, Fabrizio Gasparini, Christoph Hock, and Alfred Buck

- 1216** ^{13}N -Ammonia PET as a Measurement of Hindlimb Perfusion in a Mouse Model of Peripheral Artery Occlusive Disease
Iván Peñuelas, Xabier L. Aranguren, Gloria Abizanda, Josep María Martí-Climent, Maialen Uriz, Margarita Eca, Maria Collantes, Gemma Quincoces, José A. Richter, and Felipe Prósper

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UPCOMING EDUCATION ARTICLES

The Role of Neuroimaging in Alzheimer's Disease with Emphasis on Brain Perfusion SPECT

Hiroshi Matsuda

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