

SNM NEWSLINE

- 13N** Newsline 2012: 25 Years of Age
Harvey A. Ziessman
- 13N** ABMS Makes Physician MOC Status Public
- 14N** Schelbert Completes Service as *JNM* Editor-in-Chief
- 15N** “Go With the Guidelines” Initiative Targets Pediatric Dose
- 15N** SNM Journals’ New Mobile Interface
- 16N** Senate Passes Isotope Production Act
- 16N** Molecular Imaging Update: Molecular Imaging Training Course Debuts
Heather Jacene
- 17N** SNM Leadership Update: Molding the Future of the Profession
George Segall
- 18N** Newsbriefs
- 21N** From the Literature

INVITED PERSPECTIVE

- 1** Mutatis Mutandis: Harmonize the Standard!
Ronald Boellaard

CLINICAL INVESTIGATIONS

- 4** Impact of the Definition of Peak Standardized Uptake Value on Quantification of Treatment Response
Matt Vanderhoek, Scott B. Perlman, and Robert Jeraj
- 12** Impact of Partial-Volume Effect Correction on the Predictive and Prognostic Value of Baseline ^{18}F -FDG PET Images in Esophageal Cancer
Mathieu Hatt, Adrien Le Pogam, Dimitris Visvikis, Olivier Pradier, and Catherine Cheze Le Rest
- 21** Prognostic Significance of ^{18}F -FDG PET Parameters and Plasma Epstein-Barr Virus DNA Load in Patients with Nasopharyngeal Carcinoma
Kai-Ping Chang, Ngan-Ming Tsang, Chum-Ta Liao, Cheng-Lung Hsu, Ming-Jui Chung, Chuan-Wei Lo, Sheng-Chieh Chan, Shu-Hang Ng, Hung-Ming Wang, and Tzu-Chen Yen
- 29** 3'-Deoxy-3'- ^{18}F -Fluorothymidine PET and MRI for Early Survival Predictions in Patients with Recurrent Malignant Glioma Treated with Bevacizumab
Johannes Schwarzenberg, Johannes Czernin, Timothy F. Cloughesy, Benjamin M. Ellingson, Whitney B. Pope, Cheri Geist, Magnus Dahlbom, Daniel H.S. Silverman, Nagichettiar Satyamurthy, Michael E. Phelps, and Wei Chen

- 37** Evidence for Astrocytosis in Prodromal Alzheimer Disease Provided by ^{11}C -Deuterium-L-Deprenyl: A Multitracer PET Paradigm Combining ^{11}C -Pittsburgh Compound B and ^{18}F -FDG
Stephen F. Carter, Michael Schöll, Ove Almkvist, Anders Wall, Henry Engler, Bengt Långström, and Agneta Nordberg
- 47** Impact of Myocardial Scarring on Outcomes of Cardiac Resynchronization Therapy: Extent or Location?
Yi-Zhou Xu, Yong-Mei Cha, Dali Feng, Brian D. Powell, Heather J. Wiste, Wei Hua, and Panithaya Chareonthaitawee

BRIEF COMMUNICATION

- 55** What Can Be Seen by ^{18}F -FDG PET in Atherosclerosis Imaging? The Effect of Foam Cell Formation on ^{18}F -FDG Uptake to Macrophages In Vitro
Mikako Ogawa, Satoki Nakamura, Yuriko Saito, Mutsumi Kosugi, and Yasuhiro Magata

CONTINUING EDUCATION

- 59** Effectiveness and Safety of ^{18}F -FDG PET in the Evaluation of Dementia: A Review of the Recent Literature
Nicolaas I. Bohnen, David S.W. Djang, Karl Herholz, Yoshimi Anzai, and Satoshi Minoshima

BASIC SCIENCE INVESTIGATIONS

- 72** A Small-Scale Anatomic Model for Testicular Radiation Dosimetry for Radionuclides Localized in the Human Testes
Erik Larsson, Suaad A. Meerkhan, Sven-Erik Strand, and Bo-Anders Jönsson
- 82** Dosimetric Analysis of ^{177}Lu -cG250 Radioimmunotherapy in Renal Cell Carcinoma Patients: Correlation with Myelotoxicity and Pretherapeutic Absorbed Dose Predictions Based on ^{111}In -cG250 Imaging
Alexander B. Stillebroer, Catharina M.L. Zegers, Otto C. Boerman, Egbert Oosterwijk, Peter F.A. Mulders, Joseph A. O'Donoghue, Eric P. Visser, and Wim J.G. Oyen
- 90** Imaging of Insulinlike Growth Factor Type 1 Receptor in Prostate Cancer Xenografts Using the Affibody Molecule ^{111}In -DOTA-Z_{IGF1R:4551}
Vladimir Tolmachev, Jennie Malmberg, Camilla Hofström, Lars Abrahmsén, Thomas Bergman, Anna Sjöberg, Mattias Sandström, Torbjörn Gräslund, and Anna Orlova
- 98** Preparation and Characterization of L-[5- ^{11}C]-Glutamine for Metabolic Imaging of Tumors
Wenchao Qu, Shunichi Oya, Brian P. Lieberman, Karl Ploessl, Limin Wang, David R. Wise, Chaitanya R. Divgi, Lewis P. Chodosh, Craig B. Thompson, and Hank F. Kung
- 106** Gene Expression Profiles for Genotoxic Effects of Silica-Free and Silica-Coated Cobalt Ferrite Nanoparticles
Do Won Hwang, Dong Soo Lee, and Soonhag Kim

- 113** PET and MRI of Metastatic Peritoneal and Pulmonary Colorectal Cancer in Mice with Human Epidermal Growth Factor Receptor 1–Targeted ⁸⁹Zr-Labeled Panitumumab
Tapan K. Nayak, Kayhan Garmestani, Diane E. Milenic, and Martin W. Brechbiel
- 121** PET Imaging of Nicotinic Acetylcholine Receptors in Baboons with ¹⁸F-AZAN, a Radioligand with Improved Brain Kinetics
Hiroto Kuwabara, Dean F. Wong, Yongjun Gao, Heather Valentine, Daniel P. Holt, Hayden T. Ravert, Robert F. Dannals, and Andrew G. Horti
- 130** Computerized Method for Automatic Evaluation of Lean Body Mass from PET/CT: Comparison with Predictive Equations
Tao Chan
- 138** Quantitative PET of Human Urokinase-Type Plasminogen Activator Receptor with ⁶⁴Cu-DOTA-AE105: Implications for Visualizing Cancer Invasion
Morten Persson, Jacob Madsen, Søren Østergaard, Mette Munk Jensen, Jesper Tranekjær Jørgensen, Karina Juhl, Charlotte Lehmann, Michael Ploug, and Andreas Kjaer
- 146** Imaging of Human Epidermal Growth Factor Receptor Type 2 Expression with ¹⁸F-Labeled Affibody Molecule Z^{HER2:2395} in a Mouse Model for Ovarian Cancer
Sandra Heskamp, Peter Laverman, Daniel Rosik, Frederic Boschetti, Winette T.A. van der Graaf, Wim J.G. Oyen, Hanneke W.M. van Laarhoven, Vladimir Tolmachev, and Otto C. Boerman

PRACTICE GUIDELINE

- 154** SNM Practice Guideline for Dopamine Transporter Imaging with ¹²³I-loflupane SPECT 1.0
David S.W. Djang, Marcel J.R. Janssen, Nicolaas Bohnen, Jan Booij, Theodore A. Henderson, Karl Herholz, Satoshi Minoshima, Christopher C. Rowe, Osama Sabri, John Seibyl, Bart N.M. Van Berckel, and Michele Wanner

DEPARTMENTS

- 164** Book Review
- 165** Letters to the Editor
- 11A** This Month in JNM
- 25N** Recruitment Advertising

JNM ONLINE

jnm.snmjournals.org

Newsline Online
www.snm.org/newsline

Information for Authors
http://www.snm.org/journals/jnm_author_info