

SNM NEWSLINE

- 15N** 2007 SNM Highlights Lecture: Molecular Imaging: Thriving All Over the World
Henry N. Wagner, Jr.
- 40N** Alazraki Named as AFIP Distinguished Scientist
- 42N** Molecular Imaging Update: Through Grants and Awards, SNM Advances Molecular Imaging
Mathew Thakur
- 43N** Maintenance of Certification Update: Maintenance of Certification for ABNM Diplomates
Conrad E. Nagle and J. Anthony Parker
- 44N** SNM Leadership Update: A Capital Success
Virginia Pappas
- 45N** Newsbriefs
- 50N** From the Literature

INVITED PERSPECTIVE

- 1227** Diagnosis of Vascular Prosthesis Infection: PET or SPECT?
Luca Burrioni, Calogero D'Alessandria, and Alberto Signore

CLINICAL INVESTIGATIONS

- 1230** Prosthetic Vascular Graft Infection: The Role of ^{18}F -FDG PET/CT
Zohar Keidar, Ahuva Engel, Aaron Hoffman, Ora Israel, and Samy Nitecki
- 1237** Role of ^{18}F -FDG PET/CT in Management of High-Grade Salivary Gland Malignancies
Han-Sin Jeong, Man Ki Chung, Young-Ik Son, Joon Young Choi, Hyung Jin Kim, Young Hyeon Ko, and Chung-Hwan Baek
- 1245** ^{68}Ga -Labeled Bombesin Studies in Patients with Gastrointestinal Stromal Tumors: Comparison with ^{18}F -FDG
Antonia Dimitrakopoulou-Strauss, Peter Hohenberger, Uwe Haberkorn, Helmut R. Mücke, Michael Eisenhut, and Ludwig G. Strauss
- 1251** Diagnostic and Prognostic Value of ^{18}F -FDG PET/CT for Patients with Suspected Recurrence from Squamous Cell Carcinoma of the Esophagus
Hongbo Guo, Hui Zhu, Yan Xi, Baijiang Zhang, Ling Li, Yong Huang, Jiandong Zhang, Zheng Fu, Guoren Yang, Shuanghu Yuan, and Jinming Yu

- 1259** Effect of Reconstruction Algorithms on Myocardial Blood Flow Measurement with ^{13}N -Ammonia PET
Grace P. Chen, Kelley R. Branch, Adam M. Alessio, Pam Pham, Ramin Tabibiazar, Paul Kinahan, and James H. Caldwell

- 1266** The Effects of Estrogen, Progesterone, and C-erbB-2 Receptor States on ^{18}F -FDG Uptake of Primary Breast Cancer Lesions

Ayse Mavi, Tevfik F. Cermik, Muammer Urhan, Halis Puskulcu, Sandip Basu, Jian Q. Yu, Hongming Zhuang, Brian Czerniecki, and Abass Alavi

- 1273** $^{99\text{m}}\text{Tc}$ -HMPAO SPECT Study of Cerebral Perfusion After Treatment with Medication and Electroconvulsive Therapy in Major Depression

Yoav Kohn, Nanette Freedman, Hava Lester, Yodphat Krausz, Roland Chisin, Bernard Lerer, and Omer Bonne

- 1279** Test-Retest Reproducibility of ^{18}F -MPPF PET in Healthy Humans: A Reliability Study

Nicolas Costes, Luc Zimmer, Anthonin Reilhac, Franck Lavenne, Philippe Ryvlin, and Didier Le Bars

CONTINUING EDUCATION

- 1289** Role of Neuroimaging in Alzheimer's Disease, with Emphasis on Brain Perfusion SPECT

Hiroshi Matsuda

BASIC SCIENCE INVESTIGATIONS

- 1301** Effect of Postconditioning on Myocardial $^{99\text{m}}\text{Tc}$ -Annexin-V Uptake: Comparison with Ischemic Preconditioning and Caspase Inhibitor Treatment

Junichi Taki, Takahiro Higuchi, Atsuhiko Kawashima, Makoto Fukuoka, Daiki Kayano, Jonathan F. Tait, Ichiro Matsunari, Kenichi Nakajima, Seigo Kinuya, and H. William Strauss

- 1308** Treatment of Breast Tumor Cells In Vitro with the Mitochondrial Membrane Potential Dissipater Valinomycin Increases ^{18}F -FDG Incorporation

Tim A.D. Smith and Morgan G. Blaylock

- 1313** In Vivo VEGF Imaging with Radiolabeled Bevacizumab in a Human Ovarian Tumor Xenograft

Wouter B. Nagengast, Elisabeth G. de Vries, Geke A. Hoppers, Nanno H. Mulder, Johan R. de Jong, Harry Hollema, Adrienne H. Brouwers, Guus A. van Dongen, Lars R. Perk, and Marjolijn N. Lub-de Hooge

- 1320** Rapid Reduction of σ_1 -Receptor Binding and ^{18}F -FDG Uptake in Rat Gliomas After In Vivo Treatment with Doxorubicin

Aren van Waarde, Kazuhiro Shiba, Johan R. de Jong, Kiichi Ishiwata, Rudi A. Dierckx, and Philip H. Elsinga

- 1327** In Vivo Evaluation and Small-Animal PET/CT of a Prostate Cancer Mouse Model Using ^{64}Cu Bombesin Analogs: Side-by-Side Comparison of the CB-TE2A and DOTA Chelation Systems

Jered C. Garrison, Tammy L. Rold, Gary L. Sieckman, Said Daibes Figueroa, Wynn A. Volkert, Silvia S. Jurisson, and Timothy J. Hoffman

SPECIAL CONTRIBUTION

- 1397** **Impact Factors in Nuclear Medicine Journals**
Geoffrey M. Currie and Janelle M. Wheat

DEPARTMENTS

- 1401** Book Review
1402 Letters to the Editor
11A This Month in JNM
57A Recruitment Advertising
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UPCOMING EDUCATION ARTICLES

Clinical Applications of PET in Brain Tumors

Wei Chen

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

- 1338** **Pharmacokinetic Characterization in Xenografted Mice of a Series of First-Generation Mimics for HLA-DR Antibody, Lym-1, as Carrier Molecules to Image and Treat Lymphoma**
Gerald L. DeNardo, Arutselvan Natarajan, Saphon Hok, Julie Perkins, Monique Cosman, Sally J. DeNardo, Felice C. Lightstone, Gary R. Mirick, Laird A. Miers, and Rodney L. Balhorn
- 1348** **Preparation and Biologic Evaluation of a Novel Radioiodinated Benzylpiperazine, ¹²³I-MEL037, for Malignant Melanoma**
Tien Q. Pham, Paula Berghofer, Xiang Liu, Ivan Greguric, Branko Dikic, Patrice Ballantyne, Filomena Mattner, Vu Nguyen, Christian Loc'h, and Andrew Katsifis
- 1357** **¹¹¹In-Labeled Trastuzumab (Herceptin) Modified with Nuclear Localization Sequences (NLS): An Auger Electron-Emitting Radiotherapeutic Agent for HER2/neu-Amplified Breast Cancer**
Danny L. Costantini, Conrad Chan, Zhongli Cai, Katherine A. Vallis, and Raymond M. Reilly
- 1369** **Parametric Images of Antibody Pharmacokinetics Based on Serial Quantitative Whole-Body Imaging and Blood Sampling**
Katarina Sjögren Gleisner, Mattias Nickel, Ola Lindén, Kjell Erlandsson, Karin Wingårdh, and Sven-Erik Strand
- 1379** **Production of Multimeric Prostate-Specific Membrane Antigen Small-Molecule Radiotracers Using a Solid-Phase ^{99m}Tc Preloading Strategy**
Preeti Misra, Valerie Humblet, Nadine Pannier, Wolfgang Maison, and John V. Frangioni
- 1390** **Nuclear Uptake and Dosimetry of ⁶⁴Cu-Labeled Chelator-Somatostatin Conjugates in an SSTR2-Transfected Human Tumor Cell Line**
Martin Eiblmaier, Rebecca Andrews, Richard Laforest, Buck E. Rogers, and Carolyn J. Anderson