

SNM NEWSLINE

15N 2008 SNM Highlights Lecture: Advancing a Molecular Theory of Disease

Henry N. Wagner, Jr.

36N SNM Leadership Update: A Proud Past, a Shining Future

Virginia Pappas

37N Molecular Imaging Update: Awards Promote MI Research

Mathew Thakur

38N Health Policy and Regulatory Affairs Update: Isotope Availability Task Group Releases Draft Report

Hugh Cannon

38N Correction

40N Newsbriefs

43N From the Literature

INVITED PERSPECTIVE

1213 Multimodality Probes: Amphibian Cars for Molecular Imaging

Otto C. Boerman and Wim J.G. Oyen

CLINICAL INVESTIGATIONS

1215 Breast Cancer Staging in a Single Session: Whole-Body PET/CT Mammography

Till A. Heusner, Sherko Kuemmel, Lale Umutlu, Angela Koeninger, Lutz S. Freudenberg, Elke A.M. Hauth, Klaus R. Kimmig, Michael Forsting, Andreas Bockisch, and Gerald Antoch

1223 Deep-Inspiration Breath-Hold PET/CT of Lung Cancer: Maximum Standardized Uptake Value Analysis of 108 Patients

Tsuyoshi Kawano, Eiji Ohtake, and Tomio Inoue

1232 ¹¹¹In-Octreotide Is Superior to ¹²³I-Metaiodobenzylguanidine for Scintigraphic Detection of Head and Neck Paragangliomas

Klaas Pieter Koopmans, Pieter L. Jager, Ido P. Kema, Michiel N. Kerstens, Frans Albers, and Robin P.F. Dullaart

1238 Impact of Angiogenesis-Related Gene Expression on the Tracer Kinetics of ¹⁸F-FDG in Colorectal Tumors

Ludwig G. Strauss, Dirk Koczan, Sven Klippel, Leyun Pan, Caixia Cheng, Stefan Willis, Uwe Haberkorn, and Antonia Dimitrakopoulou-Strauss

1245 Detection of Hepatocellular Carcinoma Using ¹¹C-Choline PET: Comparison with ¹⁸F-FDG PET

Yuka Yamamoto, Yoshihiro Nishiyama, Reiko Kameyama, Keiichi Okano, Hirotaka Kashiwagi, Akihiro Deguchi, Masato Kaji, and Motoomi Ohkawa

1249 Novel Reference Region Model Reveals Increased Microglial and Reduced Vascular Binding of ¹¹C-(R)-PK11195 in Patients with Alzheimer's Disease

Giampaolo Tomasi, Paul Edison, Alessandra Bertoldo, Federico Roncaroli, Poonam Singh, Alexander Gerhard, Claudio Cobelli, David J. Brooks, and Federico E. Turkheimer

1257 Opioid Receptor PET Reveals the Psychobiologic Correlates of Reward Processing

Mathias Schreckenberger, André Klega, Gerhard Gründer, Hans-Georg Buchholz, Armin Scheurich, Ralf Schirmacher, Esther Schirmacher, Christina Müller, Gjermund Henriksen, and Peter Bartenstein

1262 Voxel-Based Analysis of ¹¹C-PIB Scans for Diagnosing Alzheimer's Disease

Arthur Mikhno, Davangere Devanand, Gregory Pelton, Katrina Cuasay, Roger Gunn, Neil Upton, Robert Y. Lai, Vincenzo Libri, J. John Mann, and Ramin V. Parsey

1270 Quantitative Analysis of Norepinephrine Transporter in the Human Brain Using PET with (S,S)-¹⁸F-FMeNER-D₂

Ryosuke Arakawa, Masaki Okumura, Hiroshi Ito, Chie Seki, Hidehiko Takahashi, Harumasa Takano, Ryuji Nakao, Kazutoshi Suzuki, Yoshiro Okubo, Christer Halldin, and Tetsuya Suhara

1277 Reversal of Vascular ¹⁸F-FDG Uptake with Plasma High-Density Lipoprotein Elevation by Atherogenic Risk Reduction

Su Jin Lee, Young Keun On, Eun Jeong Lee, Joon Young Choi, Byung-Tae Kim, and Kyung-Han Lee

1283 Assessment of the Influence of Atrial Fibrillation on Gated SPECT Perfusion Data by Comparison with Simultaneously Acquired Nongated SPECT Data

Roberto Sciagrà, Barbara Sotgia, Nicoletta Boni, and Alberto Pupi

1288 Long-Term Survival of Patients with Viable and Nonviable Aneurysms Assessed by ^{99m}Tc-MIBI SPECT and ¹⁸F-FDG PET: A Comparative Study of Medical and Surgical Treatment

Xiaoli Zhang, Xiu-jie Liu, Shengshou Hu, Thomas H. Schindler, Yueqing Tian, Zuo-xiang He, Runlin Gao, Qingyu Wu, Hongxing Wei, James W. Sayre, and Heinrich R. Schelbert

BRIEF COMMUNICATION

1299 Whole-Body Biodistribution and Radiation Dosimetry of the New Cardiac Tracer ^{99m}Tc-N-DBODC

Corrado Cittanti, Licia Uccelli, Micol Pasquali, Alessandra Boschi, Claudia Flammia, Elisa Bagatin, Massimiliano Casali, Michael G. Stabin, Luciano Feggi, Melchiorre Giganti, and Adriano Duatti

CONTINUING EDUCATION

1305 SPECT/CT

Andreas K. Buck, Stephan Nekolla, Sibylle Ziegler, Ambros Beer, Bernd J. Krause, Ken Herrmann, Klemens Scheidhauer, Hans-Juergen Wester, Ernst J. Rummeny, Markus Schwaiger, and Alexander Drzezga

BASIC SCIENCE INVESTIGATIONS

1320 Time Course of Alterations in Myocardial Glucose Utilization in the Zucker Diabetic Fatty Rat with Correlation to Gene Expression of Glucose Transporters: A Small-Animal PET Investigation

Koresh I. Shoghi, Robert J. Gropler, Terry Sharp, Pilar Herrero, Nicole Fettig, Yi Su, Mayurranjan S. Mitra, Attila Kovacs, Brian N. Finck, and Michael J. Welch

1328 Tariquidar-Induced P-Glycoprotein Inhibition at the Rat Blood-Brain Barrier Studied with (R)-¹¹C-Verapamil and PET

Jens P. Bankstahl, Claudia Kuntner, Aiman Abraham, Rudolf Karch, Johann Stanek, Thomas Wanek, Wolfgang Wadsak, Kurt Kletter, Markus Müller, Wolfgang Löscher, and Oliver Langer

1336 Subcellular Distribution and Metabolism Studies of the Potential Myocardial Imaging Agent [^{99m}Tc(N)(DBODC)(PNP5)]⁺

Cristina Bolzati, Mario Cavazza-Ceccato, Stefania Agostini, Shinji Tokunaga, Dario Casara, and Giuliano Bandoli

1345 ^{99m}Tc-Labeled Duramycin as a Novel Phosphatidylethanolamine-Binding Molecular Probe

Ming Zhao, Zhixin Li, and Scott Bugenhagen

1353 Relationship Between Induction of Phosphorylated H2AX and Survival in Breast Cancer Cells Exposed to ¹¹¹In-DTPA-hEGF

Zhongli Cai, Zhuo Chen, Kristy E. Bailey, Deborah A. Scollard, Raymond M. Reilly, and Katherine A. Vallis

1362 Gene Expression Patterns and Tumor Uptake of ¹⁸F-FDG, ¹⁸F-FLT, and ¹⁸F-FEC in PET/MRI of an Orthotopic Mouse Xenotransplantation Model of Pancreatic Cancer

Corinna von Forstner, Jan-Hendrik Egberts, Ole Ammerpohl, Dagmara Niedzielska, Ralph Buchert, Pal Mikecz, Udo Schumacher, Kersten Peldschus, Gerhard Adam, Christian Pilarsky, Robert Grutzmann, Holger Kalthoff, Eberhard Henze, and Winfried Brenner

1371 PET/MRI Dual-Modality Tumor Imaging Using Arginine-Glycine-Aspartic (RGD)-Conjugated Radiolabeled Iron Oxide Nanoparticles

Ha-Young Lee, Zibo Li, Kai Chen, Andrew R. Hsu, Chenjie Xu, Jin Xie, Shouheng Sun, and Xiaoyuan Chen

1380 Biodistribution and Radiation Dosimetry of ^{99m}Tc-HMPAO-Labeled Monocytes in Patients with Rheumatoid Arthritis

Roelof J. Bennink, Rogier M. Thurlings, Formijn J. van Hemert, Carlijn Voermans, Serge E. Dohmen, Berthe L. van Eck-Smit, Paul P. Tak, and Ellinor Busemann-Sokole

1386 Colorectal Tumor Cells Treated with 5-FU, Oxaliplatin, Irinotecan, and Cetuximab Exhibit Changes in ¹⁸F-FDG Incorporation Corresponding to Hexokinase Activity and Glucose Transport

Rituka I. Sharma and Tim A.D. Smith

SPECIAL CONTRIBUTION

1395 Perspective: The Case Against Radioiodine Remnant Ablation in Patients with Well-Differentiated Thyroid Carcinoma

Ian D. Hay, I. Ross McDougall, and James C. Sisson

DEPARTMENTS

1394 Erratum

1398 Book Reviews

11A This Month in JNM

50A Recruitment Advertising

JNM ONLINE

jnm.snmjournals.org

Newsline Online

www.snm.org/newsline

Information for Authors

http://www.snm.org/journals/jnm_author_info

UPCOMING EDUCATION ARTICLES

The Role of Nuclear Imaging in Minimally Invasive Surgery for Hyperparathyroidism

Benjamin L. Judson and Ashok R. Shaha

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