

SNM NEWSLINE

- 15N** 2010 SNM Highlights Lecture: Cardiovascular Disease
Marcus Schwaiger
- 19N** 2010 SNM Highlights Lecture: Oncology
Steven M. Larson
- 25N** 2010 SNM Highlights Lecture: General Nuclear Medicine
Harvey A. Ziessman
- 31N** 2010 SNM Highlights Lecture: Neuroscience
Christopher Rowe
- 37N** Molecular Imaging Update: First MICoE Young Investigator Award Winners
Craig Levin
- 39N** SNM Leadership Update: Fulfilling a Need for Evidence-Based Medicine
Dominique Delbeke

FOCUS ON MOLECULAR IMAGING

- 1331** Molecular Imaging of the Dopamine Transporter
Andrea Varrone and Christer Halldin

INVITED PERSPECTIVE

- 1335** ^{11}C -Dihydropyridopyridazine β -Cell Imaging
Guy M. Bormans

CLINICAL INVESTIGATIONS

- 1337** ^{18}F -FDG PET After 2 Cycles of ABVD Predicts Event-Free Survival in Early and Advanced Hodgkin Lymphoma
Juliano J. Cerci, Luís F. Pracchia, Camila C.G. Linardi, Felipe A. Pitella, Dominique Delbeke, Marisa Izaki, Evelinda Trindade, José Soares Junior, Valeria Buccheri, and José C. Meneghetti
- 1344** Is ^{18}F -FDG PET/CT Useful for the Early Prediction of Histopathologic Response to Neoadjuvant Erlotinib in Patients with Non-Small Cell Lung Cancer?
Tjeerd S. Aukema, Ingrid Kappers, Renato A. Valdés Olmos, Henk E. Codrington, Harm van Tinteren, Renée van Pel, and Houke M. Klomp

- 1349** ^{68}Ga -DOTATATE PET/CT for the Early Prediction of Response to Somatostatin Receptor-Mediated Radionuclide Therapy in Patients with Well-Differentiated Neuroendocrine Tumors
Alexander R. Haug, Christoph J. Auernhammer, Björn Wängler, Gerwin P. Schmidt, Christopher Uebleis, Burkhard Göke, Paul Cumming, Peter Bartenstein, Reinhold Tiling, and Marcus Hacker
- 1357** Excessive Aortic Inflammation in Chronic Obstructive Pulmonary Disease: An ^{18}F -FDG PET Pilot Study
James M. Coulson, James H.F. Rudd, James M. Duckers, John I.S. Rees, Dennis J. Shale, Charlotte E. Bolton, and John R. Cockcroft
- 1361** The Effect of Posttherapy ^{131}I SPECT/CT on Risk Classification and Management of Patients with Differentiated Thyroid Cancer
Ravinder K. Grewal, R. Michael Tuttle, Joseph Fox, Sunita Borkar, Joanne F. Chou, Mithat Gonen, H. William Strauss, Steven M. Larson, and Heiko Schöder
- 1368** Reproducibility of ^{18}F -FDG and 3'-Deoxy-3'- ^{18}F -Fluorothymidine PET Tumor Volume Measurements
Mathieu Hatt, Catherine Cheze-Le Rest, Eric O. Aboagye, Laura M. Kenny, Lula Rosso, Federico E. Turkheimer, Nidal M. Albarghach, Jean-Philippe Metges, Olivier Pradier, and Dimitris Visvikis
- 1377** Efficacy and Toxicity Related to Treatment of Hepatocellular Carcinoma with ^{90}Y -SIR Spheres: Radiobiologic Considerations
Lidia Strigari, Rosa Sciuto, Sandra Rea, Livio Carpanese, Giuseppe Pizzi, Antonella Soriani, Giuseppe Iaccarino, Marcello Benassi, Giuseppe Maria Ettore, and Carlo Ludovico Maini
- 1386** Quantitative Assessment of Hypoxia Kinetic Models by a Cross-Study of Dynamic ^{18}F -FAZA and ^{15}O - H_2O in Patients with Head and Neck Tumors
Kuangyu Shi, Michael Souvatzoglou, Sabrina T. Astner, Peter Vaupel, Fridtjof Nüsslin, Jan J. Wilkens, and Sibylle I. Ziegler
- 1395** A New Pyrimidine-Specific Reporter Gene: A Mutated Human Deoxycytidine Kinase Suitable for PET During Treatment with Acycloguanosine-Based Cytotoxic Drugs
Yury Likar, Juan Zurita, Konstantin Dobrenkov, Larissa Shenker, Shangde Cai, Anton Neschadim, Jeffrey A. Medin, Michel Sadelain, Hedvig Hricak, and Vladimir Ponomarev
- 1404** The Temporal Dynamics of Poststroke Neuroinflammation: A Longitudinal Diffusion Tensor Imaging-Guided PET Study with ^{11}C -PK11195 in Acute Subcortical Stroke
Alexander Thiel, Basia A. Radlinska, Caroline Paquette, Michael Sidel, Jean-Paul Soucy, Ralf Schirmacher, and Jeffrey Minuk
- 1413** Widespread Decrease of Type 1 Cannabinoid Receptor Availability in Huntington Disease In Vivo
Koen Van Laere, Cindy Casteels, Isabel Dhollander, Karolien Goffin, Igor Grachev, Guy Bormans, and Wim Vandenberghe

CONTINUING EDUCATION

- 1418 Target-Specific PET Probes for Neurodegenerative Disorders Related to Dementia**
Ahmadul Kadir and Agneta Nordberg

BASIC SCIENCE INVESTIGATIONS

- 1431 Toward Implementing an MRI-Based PET Attenuation-Correction Method for Neurologic Studies on the MR-PET Brain Prototype**
Ciprian Catana, Andre van der Kouwe, Thomas Benner, Christian J. Michel, Michael Hamm, Matthias Fenchel, Bruce Fischl, Bruce Rosen, Matthias Schmand, and A. Gregory Sorensen
- 1439 Assessment of Islet Specificity of Dihydratetabenazine Radiotracer Binding in Rat Pancreas and Human Pancreas**
Veronica Fagerholm, Kirsi K. Mikkola, Tamiko Ishizu, Eveliina Arponen, Saira Kauhanen, Kjell Någren, Olof Solin, Pirjo Nuutila, and Merja Haaparanta
- 1447 Biodistribution and Uptake of 3'-Deoxy-3'-Fluorothymidine in ENT1-Knockout Mice and in an ENT1-Knockdown Tumor Model**
Robert J. Paproski, Melinda Wuest, Hans-Sonke Jans, Kathryn Graham, Wendy P. Gati, Steve McQuarrie, Alexander McEwan, John Mercer, James D. Young, and Carol E. Cass
- 1456 Multimodality Imaging of Gene Transfer with a Receptor-Based Reporter Gene**
Ron Chen, Jesse J. Parry, Walter J. Akers, Mikhail Y. Berezin, Issam M. El Naqa, Samuel Achilefu, W. Barry Edwards, and Buck E. Rogers
- 1464 Different Modes of Transport for ³H-Thymidine, ³H-FLT, and ³H-FMAU in Proliferating and Nonproliferating Human Tumor Cells**
David A. Plotnik, Lindsay E. Emerick, Kenneth A. Krohn, Jashvant D. Unadkat, and Jeffrey L. Schwartz

- 1472 PET Imaging of Norepinephrine Transporter—Expressing Tumors Using ⁷⁶Br-meta-Bromobenzylguanidine**
Shigeki Watanabe, Hirofumi Hanaoka, Ji Xin Liang, Yasuhiko Iida, Keigo Endo, and Noriko S. Ishioka

- 1480 Whole-Body Biodistribution and Radiation Dosimetry of ¹⁸F-FP-(+)-DTBZ (¹⁸F-AV-133): A Novel Vesicular Monoamine Transporter 2 Imaging Agent**
Kun-Ju Lin, Yi-Hsin Weng, Shiaw-Pyng Wey, Ing-Tsung Hsiao, Chin-Song Lu, Daniel Skovronsky, Hsiu-Ping Chang, Mei-Ping Kung, and Tzu-Chen Yen

DEPARTMENTS

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- 1488 Letters to the Editor**
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UPCOMING EDUCATION ARTICLES

Complementary Roles of Whole-Body Diffusion-Weighted MRI and ¹⁸F-FDG PET: The State of the Art and Potential Applications
Thomas C. Kwee, Taro Takahara, Reiji Ochiai, Dow-Mu Koh, Yoshiharu Ohno, Katsuyuki Nakanishi, Tetsu Niwa, Thomas L. Chenevert, Peter R. Luijten, and Abass Alavi

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