

SNMMI NEWSLINE

- 9N** 2014 SNMMI Image of the Year
- 11N** Siegel Receives 2014 Benedict Cassen Prize
- 13N** From AUR 2014: Leadership and Collaboration in Molecular Imaging
Jay Harolds
- 14N** SNMMI Leadership Update: Adapting to the Changing Health Care Landscape
Peter Herscovitch
- 15N** SNMMI-TS Leadership Update: Advance Our Field by Addressing External Pressures
April Mann
- 16N** Newsbriefs
- 19N** From the Literature

INVITED PERSPECTIVE

- 1045** ¹⁸F-FDG PET/CT for the Detection of Septic Embolisms in Patients with Infectious Endocarditis
Ilse J.E. Kouijzer, Chantal P. Bleeker-Rovers, and Wim J.G. Oyen

CLINICAL INVESTIGATIONS

- 1047** Tumor-Absorbed Dose Predicts Progression-Free Survival Following ¹³¹I-Tositumomab Radioimmunotherapy
Yuni K. Dewaraja, Matthew J. Schipper, Jincheng Shen, Lauren B. Smith, Jure Murgic, Hatice Savas, Ehab Youssef, Denise Regan, Scott J. Wilderman, Peter L. Roberson, Mark S. Kaminski, and Anca M. Avram
- 1054** Impact of ¹⁸F-Fluoride PET on Intended Management of Patients with Cancers Other Than Prostate Cancer: Results from the National Oncologic PET Registry
Bruce E. Hillner, Barry A. Siegel, Lucy Hanna, Fenghai Duan, Anthony F. Shields, Bruce Quinn, and R. Edward Coleman
- 1062** Follow-up or Surveillance ¹⁸F-FDG PET/CT and Survival Outcome in Lung Cancer Patients
Alexander J. Antoniou, Charles Marcus, Abdel K. Tahari, Richard L. Wahl, and Rathan M. Subramaniam
- 1069** Differential ¹⁸F-FDG and ¹⁸F-FLT Uptake on Serial PET/CT Imaging Before and During Definitive Chemoradiation for Non-Small Cell Lung Cancer
Sarah J. Everitt, David L. Ball, Rodney J. Hicks, Jason Callahan, Nikki Plumridge, Marnie Collins, Alan Herschtal, David Binns, Tomas Kron, Michal Schneider, and Michael MacManus
- 1075** Effect of Platinum-Based Chemoradiotherapy on Cellular Proliferation in Bone Marrow and Spleen, Estimated by ¹⁸F-FLT PET/CT in Patients with Locally Advanced Non-Small Cell Lung Cancer
Antoine Leimgruber, Andreas Möller, Sarah J. Everitt, Marine Chabrot, David L. Ball, Ben Solomon, Michael MacManus, and Rodney J. Hicks
- 1081** Timing of Metabolic Response Monitoring During Erlotinib Treatment in Non-Small Cell Lung Cancer
Matthijs H. van Gool, Tjeerd S. Aukema, Eva E. Schaake, Herman Rijna, Renato A. Valdés Olmos, Renée van Pel, Sjaak A. Burgers, Harm van Tinteren, and Houke M. Klomp
- 1087** Everolimus Reduces ⁸⁹Zr-Bevacizumab Tumor Uptake in Patients with Neuroendocrine Tumors
Sophie J. van Asselt, Sjoukje F. Oosting, Adrienne H. Brouwers, Alfons H.H. Bongaerts, Johan R. de Jong, Marjolijn N. Lub-de Hooge, Thijs H. Oude Munnink, Helle-Brit Fiebrich, Wim J. Sluiter, Thera P. Links, Annemiek M.E. Walenkamp, and Elisabeth G.E. de Vries
- 1093** Role of ¹⁸F-FDG PET in Patients with Infectious Endocarditis
Martha Kestler, Patricia Muñoz, Marta Rodríguez-Crèixems, Amanda Rotger, Felisa Jimenez-Requena, Amaia Mari, Javier Orcajo, Luis Hernández, Juan C. Alonso, and Emilio Bouza
- 1099** Clinical Role of Subtraction Ictal SPECT Coregistered to MR Imaging and ¹⁸F-FDG PET in Pediatric Epilepsy
Andrés Perissinotti, Xavier Setoain, Javier Aparicio, Sebastián Rubí, Berta Marti Fuster, Antonio Donaire, Mar Carreño, Nuria Bargalló, Jordi Rumiá, Gemma Garcia-Fructuoso, Maria Mayoral, Francesc Sanmartí, and Francesca Pons
- 1106** Activity of P-Glycoprotein, a β -Amyloid Transporter at the Blood-Brain Barrier, Is Compromised in Patients with Mild Alzheimer Disease
Anand K. Deo, Soo Borson, Jeanne M. Link, Karen Domino, Janet F. Eary, Ban Ke, Todd L. Richards, David A. Mankoff, Satoshi Minoshima, Finbarr O'Sullivan, Sara Eyal, Peng Hsiao, Ken Maravilla, and Jashvant D. Unadkat
- 1112** In Vivo Assessment of Brain White Matter Inflammation in Multiple Sclerosis with ¹⁸F-PBR111 PET
Alessandro Colasanti, Qi Guo, Nils Muhlert, Paolo Giannetti, Mayca Onega, Rexford D. Newbould, Olga Ciccarelli, Stuart Rison, Charlotte Thomas, Richard Nicholas, Paolo A. Muraro, Omar Malik, David R. Owen, Paola Piccini, Roger N. Gunn, Eugenio A. Rabiner, and Paul M. Matthews
- 1119** Radiation Dosimetry of ¹⁸F-FPEB in Humans
Robert M. Kessler, John Seibyl, Ronald L. Cowan, David Zald, Jacob S. Young, Mohammad Sib Ansari, and Michael G. Stabin
- 1122** Quantification of ¹⁸F-Fluoride Kinetics: Evaluation of Simplified Methods
Pieter Raijmakers, Olivier P.P. Temmerman, Carrol P. Saridin, Ide C. Heyligers, Alfred G. Becking, Arthur van Lingem, and Adriaan A. Lammertsma
- 1128** An Exocrine Pancreatic Stress Test with ¹¹C-Acetate PET and Secretin Stimulation
Joo Hyun O, Martin A. Lodge, Sanjay Jagannath, Jonathan M. Buscaglia, Yetunde Olagbemi, and Richard L. Wahl

CONTINUING EDUCATION

1132 Regulatory Requirements for PET Drug Production

Sally W. Schwarz, David Dick, Henry F. VanBrocklin, and John M. Hoffman

BASIC SCIENCE INVESTIGATIONS

1138 An Approach to Breast Cancer Diagnosis via PET Imaging of Microcalcifications Using ^{18}F -NaF

George H. Wilson III, John C. Gore, Thomas E. Yankeelov, Stephanie Barnes, Todd E. Peterson, Jarrod M. True, Sepideh Shokouhi, J. Oliver McIntyre, Melinda Sanders, Vandana Abramson, The-Quyen Nguyen, Anita Mahadevan-Jansen, and Mohammed N. Tantawy

1144 Late Imaging with $[1-^{11}\text{C}]\text{Acetate}$ Improves Detection of Tumor Fatty Acid Synthesis with PET

David Y. Lewis, Joan Boren, Greg L. Shaw, Robert Bielik, Antonio Ramos-Montoya, Timothy J. Larkin, Carla P. Martins, David E. Neal, Dmitry Soloviev, and Kevin M. Brindle

1150 In Vivo Labeling of Serum Albumin for PET

Gang Niu, Lixin Lang, Dale O. Kiesewetter, Ying Ma, Zhongchan Sun, Ning Guo, Jinxia Guo, Chenxi Wu, and Xiaoyuan Chen

1157 Effect of Chelate Type and Radioisotope on the Imaging Efficacy of 4 Fibrin-Specific PET Probes

Francesco Blasi, Bruno L. Oliveira, Tyson A. Rietz, Nicholas J. Rotile, Helen Day, Richard J. Looby, Ilknur Ay, and Peter Caravan

1164 ^{18}F -MCL-524, an ^{18}F -Labeled Dopamine D_2 and D_3 Receptor Agonist Sensitive to Dopamine: A Preliminary PET Study

Sjoerd J. Finnema, Vladimir Stepanov, Ryuji Nakao, Anna W. Sromek, Tangzhi Zhang, John L. Neumeyer, Susan R. George, Philip Seeman, Michael G. Stabin, Cathrine Jonsson, Lars Farde, and Christer Halldin

1171 A PET Tracer for Brain $\alpha_{2\text{C}}$ Adrenoceptors, ^{11}C -ORM-13070: Radiosynthesis and Preclinical Evaluation in Rats and Knockout Mice

Eveliina Arponen, Semi Helin, Päivi Marjamäki, Tove Grönroos, Patrik Holm, Eliisa Löytyniemi, Kjell Någren, Mika Scheinin, Merja Haaparanta-Solin, Jukka Sallinen, and Olof Solin

1178 Facile Preparation of a Thiol-Reactive ^{18}F -Labeling Agent and Synthesis of ^{18}F -DEG-VS-NT for PET Imaging of a Neurotensin Receptor-Positive Tumor

Zhanhong Wu, Lin Li, Shuanglong Liu, Fumiko Yakushijin, Kenichi Yakushijin, David Horne, Peter S. Conti, Zibo Li, Fouad Kandeel, and John E. Shively

1185 An Improved Antagonist Radiotracer for the κ -Opioid Receptor: Synthesis and Characterization of ^{11}C -LY2459989

Ming-Qiang Zheng, Su Jin Kim, Daniel Holden, Shu-fei Lin, Anne Need, Karen Rash, Vanessa Barth, Charles Mitch, Antonio Navarro, Michael Kapinos, Kathleen Maloney, Jim Ropchan, Richard E. Carson, and Yiyun Huang

1192 Comparison of the Hypoxia PET Tracer ^{18}F -EF5 to Immunohistochemical Marker EF5 in 3 Different Human Tumor Xenograft Models

Satish K. Chitneni, Gerald T. Bida, Michael R. Zalutsky, and Mark W. Dewhirst

1198 Performance Evaluation of a New Dedicated Breast PET Scanner Using NEMA NU4-2008 Standards

Kanae K. Miyake, Keiichi Matsumoto, Mika Inoue, Yuji Nakamoto, Shotaro Kanao, Tae Oishi, Shigeto Kawase, Keishi Kitamura, Yoshiyuki Yamakawa, Ayako Akazawa, Tetsuya Kobayashi, Junichi Ohi, and Kaori Togashi

1204 Use of Fc-Engineered Antibodies as Clearing Agents to Increase Contrast During PET

Rafal Swiercz, Srinivas Chiguru, Amir Tahmasbi, Saleh M. Ramezani, Guiyang Hao, Dilip K. Challa, Matthew A. Lewis, Padmakar V. Kulkarni, Xiankai Sun, Raimund J. Ober, Ralph P. Mason, and E. Sally Ward

SPECIAL CONTRIBUTION

1208 Diversification in the Supply Chain of $^{99\text{m}}\text{Mo}$ Ensures a Future for $^{99\text{m}}\text{Tc}$

Cathy S. Cutler and Sally W. Schwarz

DEPARTMENTS

1214 Book Review

1215 Letters to the Editor

8A This Month in JNM

JNM ONLINE

jnm.snmjournals.org

Information for Authors

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

UPCOMING EDUCATION ARTICLE

Radioiodine Therapy for Thyroid Cancer in the Era of Risk Stratification and Alternative Targeted Therapies

Daniel A. Pryma and David A. Mankoff

For CE credit, you can access educational activities through the SNMMI website (<http://www.snmlearningcenter.org>)