

SNMMI NEWSLINE

- 11N** **The ABNM: Past, Present, and Future**
Henry D. Royal
- 14N** **New ACMUI Members Named**
- 15N** **SNMMI Leadership Update: Strategic Plan Positions SNMMI for the Future: An Update**
Virginia Pappas
- 16N** **Newsbriefs**
- 19N** **From the Literature**

EDITORIAL

- 699** **SNMMI Comment on ASCO 2013 “Choosing Wisely” Recommendation on Use of PET/CT in Recurrent Cancer Surveillance**
Eric M. Rohren, Gary L. Dillehay, and Hossein Jadvar

FOCUS ON MOLECULAR IMAGING

- 701** **Imaging the Folate Receptor on Cancer Cells with ^{99m}Tc-Etarfolatide: Properties, Clinical Use, and Future Potential of Folate Receptor Imaging**
Alan H. Maurer, Philip Elsinga, Stefano Fanti, Binh Nguyen, Wim J.G. Oyen, and Wolfgang A. Weber

INVITED PERSPECTIVES

- 705** **Thyroid Cancer in Children**
Anca M. Avram and Barry L. Shulkin
- 708** **Glypican-3–Targeted ⁸⁹Zr PET Imaging of Hepatocellular Carcinoma: Where Antibody Imaging Dares to Tread**
Bernadette V. Marquez, Alexander Zheleznyak, and Suzanne E. Lapi

CLINICAL INVESTIGATIONS

- 710** **Recurrent Disease in Juvenile Differentiated Thyroid Carcinoma: Prognostic Factors, Treatments, and Outcomes**
Jasna Mihailovic, Katarina Nikoletic, and Dolores Srbovan
- 718** **Value of ¹⁸F-3,4-Dihydroxyphenylalanine PET/MR Image Fusion in Pediatric Supratentorial Infiltrative Astrocytomas: A Prospective Pilot Study**
Giovanni Morana, Arnoldo Piccardo, Claudia Milanaccio, Matteo Puntoni, Paolo Nozza, Armando Cama, Daniele Zefiro, Massimo Cabria, Andrea Rossi, and Maria Luisa Garrè

- 724** **PET/MR Imaging in the Detection and Characterization of Pulmonary Lesions: Technical and Diagnostic Evaluation in Comparison to PET/CT**
Isabel Rauscher, Matthias Eiber, Sebastian Fürst, Michael Souvatzoglou, Stephan G. Nekolla, Sibylle I. Ziegler, Ernst J. Rummeny, Markus Schwaiger, and Ambros J. Beer

- 730** **First-in-Human Molecular Imaging of HER2 Expression in Breast Cancer Metastases Using the ¹¹¹In-ABY-025 Affibody Molecule**
Jens Sörensen, Dan Sandberg, Mattias Sandström, Anders Wennborg, Joachim Feldwisch, Vladimir Tolmachev, Gunnar Åström, Mark Lubberink, Ulrike Garske-Román, Jörgen Carlsson, and Henrik Lindman

- 736** **Diagnostic and Prognostic Value of Pretreatment SUV in ¹⁸F-FDG/PET in Breast Cancer: Comparison with Apparent Diffusion Coefficient from Diffusion-Weighted MR Imaging**
Shingo Baba, Takuro Isoda, Yasuhiro Maruoka, Yoshiyuki Kitamura, Masayuki Sasaki, Tsuyoshi Yoshida, and Hiroshi Honda

- 743** **Prediction of Occult Lymph Node Metastasis by Metabolic Parameters in Patients with Clinically N0 Esophageal Squamous Cell Carcinoma**
Seung Hwan Moon, Ho Seong Kim, Seung Hyup Hyun, Yong Soo Choi, Jae Ill Zo, Young Mog Shim, Kyung-Han Lee, Byung-Tae Kim, and Joon Young Choi

- 749** **¹¹C-Acetate PET/CT for Metabolic Characterization of Multiple Myeloma: A Comparative Study with ¹⁸F-FDG PET/CT**
Chi-lai Ho, Siromg Chen, Yim Lung Leung, Thomas Cheng, Ka-nin Wong, Shing Kee Cheung, Raymond Liang, and Chor Sang Chim

- 753** **Laparoscopic Sentinel Lymph Node Versus Hyperextensive Pelvic Dissection for Staging Clinically Localized Prostate Carcinoma: A Prospective Study of 200 Patients**
Caroline Rousseau, Thierry Rousseau, Loïc Campion, Jacques Lacoste, Geneviève Aillet, Eric Potiron, Marie Lacombe, Georges Le Coguic, Cédric Mathieu, and Françoise Kraeber-Bodéré

- 759** **Diabetes and Elevated Hemoglobin A1c Levels Are Associated with Brain Hypometabolism but Not Amyloid Accumulation**
Rosebud O. Roberts, David S. Knopman, Ruth H. Cha, Michelle M. Mielke, V. Shane Pankratz, Bradley F. Boeve, Kejal Kantarci, Yonas E. Geda, Clifford R. Jack, Jr., Ronald C. Petersen, and Val J. Lowe

- 765** **Phase-1 Clinical Trial Results of High-Specific-Activity Carrier-Free ¹²³I-Iobenguane**
Bennett B. Chin, James F. Kronauge, Frank J. Femia, Jianqing Chen, Kevin P. Maresca, Shawn Hillier, Neil A. Petry, Olga G. James, Jorge D. Oldan, Thomas Armor, James B. Stubbs, Michael G. Stabin, and John W. Babich

- 772** **Postchemotherapy and Tumor-Selective Targeting with the La-Specific DAB4 Monoclonal Antibody Relates to Apoptotic Cell Clearance**
Fares Al-Ejeh, Alexander H. Staudacher, Douglas R. Smyth, Jocelyn M. Darby, Delphine Denoyer, Chris Tsopelas, Rodney J. Hicks, and Michael P. Brown

780 Anatomic Evaluation of 3-Dimensional Ultrashort-Echo-Time Bone Maps for PET/MR Attenuation Correction

Gaspar Delso, Michael Carl, Florian Wiesinger, Laura Sacolick, Miguel Porto, Martin Hüllner, Andreas Boss, and Patrick Veit-Haibach

CONTINUING EDUCATION

786 Radionuclides in Nephrourology, Part 2: Pitfalls and Diagnostic Applications

Andrew T. Taylor

BASIC SCIENCE INVESTIGATIONS

799 Glypican-3–Targeted ⁸⁹Zr PET Imaging of Hepatocellular Carcinoma

Jonathan G. Sham, Forrest M. Kievit, John R. Grierson, Robert S. Miyaoka, Matthew M. Yeh, Miqin Zhang, Raymond S. Yeung, Satoshi Minoshima, and James O. Park

805 Evaluation of Prostate-Specific Membrane Antigen as an Imaging Reporter

Mark A. Castanares, Amarnath Mukherjee, Wasim H. Chowdhury, Minzhi Liu, Ying Chen, Ronnie C. Mease, Yuchuan Wang, Ronald Rodriguez, Shawn E. Lupold, and Martin G. Pomper

812 Theranostics of Malignant Melanoma with ⁶⁴CuCl₂

Chunxia Qin, Hongguang Liu, Kai Chen, Xiang Hu, Xiaowei Ma, Xiaoli Lan, Yongxue Zhang, and Zhen Cheng

818 Early Assessment of Tumor Response to Gefitinib Treatment by Noninvasive Optical Imaging of Tumor Vascular Endothelial Growth Factor Expression in Animal Models

Zhaofei Liu, Xianlei Sun, Hao Liu, Teng Ma, Jiyun Shi, Bing Jia, Huiyun Zhao, and Fan Wang

824 Molecular Imaging with Macrophage CR1g-Targeting Nanobodies for Early and Preclinical Diagnosis in a Mouse Model of Rheumatoid Arthritis

Fang Zheng, Stéphanie Put, Luc Bouwens, Tony Lahoutte, Patrick Matthys, Serge Muyldermans, Patrick De Baetselier, Nick Devoogdt, Geert Raes, and Steve Schoonooghe

830 Three-Dimensional Histologic Validation of High-Resolution SPECT of Antibody Distributions Within Xenografts

Woutjan Branderhorst, Erwin L.A. Blezer, Mischa Houtkamp, Ruud M. Ramakers, Jeroen H. van den Brakel, Henry Witteveen, Frans van der Have, Hugo A. Gratama van Andel, Brendan Vastenhouw, Chao Wu, Marijke Stigter-van Walsum, Guus A.M.S. van Dongen, Max A. Viergever, Wim K. Bleeker, and Freek J. Beekman

838 Evaluation of ¹¹C-BU99008, a PET Ligand for the Imidazoline₂ Binding Sites in Rhesus Brain

Christine A. Parker, Nabeel Nabulsi, Daniel Holden, Shu-fei Lin, Tara Cass, David Labaree, Steven Kealey, Antony D. Gee, Stephen M. Husbands, Darren Quelch, Richard E. Carson, David J. Nutt, Yiyun Huang, and Robin J. Tyacke

845 PET Imaging Analysis with ⁶⁴Cu in Disulfiram Treatment for Aberrant Copper Biodistribution in Menkes Disease Mouse Model

Shiho Nomura, Satoshi Nozaki, Takashi Hamazaki, Taisuke Takeda, Eiichi Ninomiya, Satoshi Kudo, Emi Hayashinaka, Yasuhiro Wada, Tomoko Hiroki, Chie Fujisawa, Hiroko Kodama, Haruo Shintaku, and Yasuyoshi Watanabe

852 ¹¹C-Cetrozole: An Improved C-¹¹C-Methylated PET Probe for Aromatase Imaging in the Brain

Kayo Takahashi, Takamitsu Hosoya, Kayo Onoe, Hisashi Doi, Hiroko Nagata, Toshiyuki Hiramatsu, Xiao-Le Li, Yumiko Watanabe, Yasuhiro Wada, Tadayuki Takashima, Masaaki Suzuki, Hirotaka Onoe, and Yasuyoshi Watanabe

858 In Vivo Evaluation of ¹⁸F-MNI698: An ¹⁸F-Labeled Radiotracer for Imaging of Serotonin 4 Receptors in Brain

Adriana Alexandre S. Tavares, Fabien Caillé, Olivier Barret, Caroline Papin, Hsiaoju Lee, Thomas J. Morley, Krista Fowles, Daniel Holden, John P. Seibyl, David Alagille, and Gilles D. Tamagnan

DEPARTMENTS

865 Book Review

866 Letters to the Editor

9N This Month in JNM

24A Recruitment Advertising

JNM ONLINE

jnm.snmjournals.org

Information for Authors

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

UPCOMING EDUCATION ARTICLE

Hepatobiliary Scintigraphy in 2014

Harvey A. Ziessman

For CE credit, you can access Continuing Education Activities through the SNMMI website (http://www.snmjournal.org/ce_online)