

SNMMI NEWSLINE

- 11N** Czernin to Be New *JNM* Editor-in-Chief
- 12N** CMS Part B Drug Models Challenged
- 15N** Outstanding *JNM* Articles for 2015
- 16N** Outstanding *JNMT* Articles for 2015
- 16N** FDA: CT and Electronic Medical Devices
- 18N** SNMMI Leadership Update: Challenges, Opportunities, and Accomplishments
Hossein Jadvar
- 20N** Newsbriefs
- 22N** From the Literature

FOCUS ON MOLECULAR IMAGING

- 827** Molecular Imaging of Ovarian Cancer
Sai Kiran Sharma, Brandon Nemieboka, Evis Sala, Jason S. Lewis, and Brian M. Zeglis

INVITED PERSPECTIVES

- 834** Smaller Agents for Larger Therapeutic Indices: Nanoscale Brachytherapy with ^{177}Lu -Labeled Gold Nanoparticles
Emily B. Ehlerding and Weibo Cai

CLINICAL INVESTIGATIONS

- 836** Association Between ^{131}I Treatment for Thyroid Cancer and Risk of Receiving Cataract Surgery: A Cohort Study from Taiwan
Chien-Mu Lin, Po-Ting Yeh, Pat Doyle, Yu-Tse Tsan, and Pau-Chung Chen, Health Data Analysis in Taiwan (hDATA) Research Group
- 842** Pretreatment ^{18}F -FDG PET Textural Features in Locally Advanced Non-Small Cell Lung Cancer: Secondary Analysis of ACRIN 6668/RTOG 0235
Nitin Ohri, Fenghai Duan, Bradley S. Snyder, Bo Wei, Mitchell Machtay, Abass Alavi, Barry A. Siegel, Douglas W. Johnson, Jeffrey D. Bradley, Albert DeNittis, Maria Werner-Wasik, and Issam El Naqa
- 849** ^{18}F -FDG PET/CT of Non-Small Cell Lung Carcinoma Under Neoadjuvant Chemotherapy: Background-Based Adaptive-Volume Metrics Outperform TLG and MTV in Predicting Histopathologic Response
Irene A. Burger, Ruben Casanova, Seraina Steiger, Lars Husmann, Paul Stolzmann, Martin W. Huellner, Alessandra Curioni, Sven Hillinger, C. Ross Schmidlein, and Alex Soltermann

- 855** ^{18}F -FDG PET/CT: Therapy Response Assessment Interpretation (Hopkins Criteria) and Survival Outcomes in Lung Cancer Patients
Sara Sheikbahaei, Esther Mena, Charles Marcus, Rick Wray, Mehdi Taghipour, and Rathan M. Subramanian
- 861** Quantitative and Simplified Analysis of ^{11}C -Erlotinib Studies
Maqsood Yaqub, Idris Bahce, Charlotte Voorhoeve, Robert C. Schuit, Albert D. Windhorst, Otto S. Hoekstra, Ronald Boellaard, N. Harry Hendrikse, Egbert F. Smit, and Adriaan A. Lammertsma
- 867** Biodistribution and Radiation Dosimetry of the Anti-HER2 Affibody Molecule ^{68}Ga -ABY-025 in Breast Cancer Patients
Mattias Sandström, Karolina Lindskog, Irina Velikyan, Anders Wennborg, Joachim Feldwisch, Dan Sandberg, Vladimir Tolmachev, Anna Orlova, Jens Sørensen, Jörgen Carlsson, Henrik Lindman, and Mark Lubberink
- 872** ^{68}Ga -DOTATATE Compared with ^{111}In -DTPA-Octreotide and Conventional Imaging for Pulmonary and Gastroenteropancreatic Neuroendocrine Tumors: A Systematic Review and Meta-Analysis
Stephen A. Deppen, Jeffrey Blume, Adam J. Bobbey, Chirayu Shah, Michael M. Graham, Patricia Lee, Dominique Delbeke, and Ronald C. Walker
- 879** High Diagnostic Value of ^{18}F -FDG PET/CT in Endometrial Cancer: Systematic Review and Meta-Analysis of the Literature
Vikram Rao Bollineni, Sigmund Ytre-Hauge, Oksana Bollineni-Balabay, Helga Birgitte Salvesen, and Ingfrid Salvesen Haldorsen
- 886** Prospective Study Evaluating Na^{18}F PET/CT in Predicting Clinical Outcomes and Survival in Advanced Prostate Cancer
Andrea B. Apolo, Liza Lindenberg, Joanna H. Shih, Esther Mena, Joseph W. Kim, Jong C. Park, Anna Alikhani, Yolanda Y. McKinney, Juanita Weaver, Baris Turkbey, Howard L. Parnes, Lauren V. Wood, Ravi A. Madan, James L. Gulley, William L. Dahut, Karen A. Kurdiel, and Peter L. Choyke
- 893** High-Sensitivity and High-Resolution SPECT/CT Systems Provide Substantial Dose Reduction Without Compromising Quantitative Precision for Assessment of Myocardial Perfusion and Function
Richard J. Palyo, Albert J. Sinusas, and Yi-Hwa Liu
- 900** Impact of Training Method on the Robustness of the Visual Assessment of ^{18}F -Florbetaben PET Scans: Results from a Phase-3 Study
John Seibyl, Ana M. Catafau, Henryk Barthel, Kenji Ishii, Christopher C. Rowe, James B. Leverenz, Bernardino Ghetti, James W. Ironside, Masaki Takao, Hiroyasu Akatsu, Shigeo Murayama, Santiago Bullich, Andre Mueller, Norman Koglin, Walter J. Schulz-Schaeffer, Anja Hoffmann, Marwan N. Sabbagh, Andrew W. Stephens, and Osama Sabri
- 907** Radiation Dosimetry of Whole-Body Dual-Tracer ^{18}F -FDG and ^{11}C -Acetate PET/CT for Hepatocellular Carcinoma
Dan Liu, Pek-Lan Khong, Yiming Gao, Usman Mahmood, Brian Quinn, Jean St. Germain, X. George Xu, and Lawrence T. Dauer

913 Impact of MR-Based Attenuation Correction on Neurologic PET Studies

Yi Su, Brian B. Rubin, Jonathan McConathy, Richard Laforest, Jing Qi, Akash Sharma, Agus Priatna, and Tammie L.S. Benzinger

918 Dixon Sequence with Superimposed Model-Based Bone Compartment Provides Highly Accurate PET/MR Attenuation Correction of the Brain

Thomas Koesters, Kent P. Friedman, Matthias Fenchel, Yiqiang Zhan, Gerardo Hermosillo, James Babb, Ileana O. Jelescu, David Faul, Fernando E. Boada, and Timothy M. Shepherd

BRIEF COMMUNICATIONS

925 Pharmacokinetics of 99m Tc-MAA- and 99m Tc-HSA-Microspheres Used in Preradioembolization Dosimetry: Influence on the Liver-Lung Shunt

Oliver S. Grosser, Juri Ruf, Dennis Kupitz, Annette Pethe, Gerhard Ulrich, Philipp Genseke, Konrad Mohnike, Maciej Pech, Wolf S. Richter, Jens Ricke, and Holger Amthauer

CONTINUING EDUCATION

928 Response Assessment Criteria and Their Applications in Lymphoma: Part 1

Mateen C. Moghbel, Lale Kostakoglu, Katherine Zukotynski, Delphine L. Chen, Helen Nadel, Ryan Niederkohr, and Erik Mittra

BASIC SCIENCE INVESTIGATIONS

936 Intratumorally Injected 177 Lu-Labeled Gold Nanoparticles: Gold Nanoseed Brachytherapy with Application for Neoadjuvant Treatment of Locally Advanced Breast Cancer

Simmyung Yook, Zhongli Cai, Yijie Lu, Mitchell A. Winnik, Jean-Philippe Pignol, and Raymond M. Reilly

943 A 99m Tc-Labeled Ligand of Carbonic Anhydrase IX Selectively Targets Renal Cell Carcinoma In Vivo

Nikolaus Krall, Francesca Pretto, Martin Mattarella, Cristina Müller, and Dario Neri

950 PET Imaging of Mitochondrial Complex I with 18 F-BCPP-EF in the Brains of MPTP-Treated Monkeys

Hideo Tsukada, Masakatsu Kanazawa, Hiroyuki Ohba, Shingo Nishiyama, Norihiro Harada, and Takeharu Kakiuchi

954 Glial Activation and Glucose Metabolism in a Transgenic Amyloid Mouse Model: A Triple-Tracer PET Study

Matthias Brendel, Federico Probst, Anna Jaworska, Felix Overhoff, Viktoria Korzhova, Nathalie L. Albert, Roswitha Beck, Simon Lindner, Franz-Josef Gildehaus, Karlheinz Baumann, Peter Bartenstein, Gernot Kleinberger, Christian Haass, Jochen Herms, and Axel Rominger

961 Hepatobiliary Secretion Kinetics of Conjugated Bile Acids Measured in Pigs by 11 C-Cholylsarcosine PET

Michael Sørensen, Ole Lajord Munk, Nikolaj W. Ørnloft, Kim Frisch, Kasper Jarlheit Andersen, Frank Viborg Mortensen, Aage Kristian Olsen Alstrup, Peter Ott, Alan F. Hofmann, and Susanne Keiding

967 Preclinical Evaluation of 18 F-Labeled Anti-HER2 Nanobody Conjugates for Imaging HER2 Receptor Expression by Immuno-PET

Ganesan Vaidyanathan, Darryl McDougald, Jaeyeon Choi, Eftychia Koumarianou, Douglas Weitzel, Takuwa Osada, H. Kim Lyerly, and Michael R. Zalutsky

974 Molecular Imaging and Quantitation of EphA2 Expression in Xenograft Models with 89 Zr-DS-8895a

Ingrid J.G. Burvenich, Sagun Parakh, Hui K. Gan, Fook-Thean Lee, Nancy Guo, Angela Rigopoulos, Sze-Ting Lee, Sylvia Gong, Graeme J. O'Keefe, Henri Tochon-Danguy, Masakatsu Kotsuma, Jun Hasegawa, Giorgio Senaldi, and Andrew M. Scott

981 Targeted Imaging of the Atypical Chemokine Receptor 3 (ACKR3/CXCR7) in Human Cancer Xenografts

Babak Behnam Azad, Ala Lisok, Samit Chatterjee, John T. Poirier, Mrudula Pullambhatla, Gary D. Luker, Martin G. Pomper, and Sridhar Nimmagadda

DEPARTMENTS

988 Erratum

989 Book Reviews

990 Letters to the Editor

10A This Month in JNM

JNM ONLINE

jnm.snmjournals.org

CE Credit

<http://www.snmmilearningcenter.org>

Information for Authors

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

Cover image adapted from © 2012 Terese Winslow LLC, U.S. Govt. has certain rights.