

SNMMI NEWSLINE

- 9N** 2014 SNMMI Highlights Lecture: Oncology
Umar Mahmood
- 25N** Enhancing the Value of MOC
George Segall
- 26N** SNMMI Leadership Update: The Importance of Quality, Evidence, and Value in Nuclear Medicine
Peter Herscovitch

FOCUS ON MOLECULAR IMAGING

- 1753** PRRT: Defining the Paradigm Shift to Achieve Standardization and Individualization
Lisa Bodei, Mark Kidd, Richard P. Baum, and Irvin M. Modlin

INVITED PERSPECTIVE

- 1757** Can PET/CT Guide the Personalized Treatment of Patients with Gastroenteropancreatic Neuroendocrine Neoplasms?
Orazio Schillaci

CLINICAL INVESTIGATIONS

- 1759** Assessment of Lesion Response in the Initial Radioiodine Treatment of Differentiated Thyroid Cancer Using ^{124}I PET Imaging
Walter Jentzen, Jan Hoppenbrouwers, Paul van Leeuwen, Daan van der Velden, Rudie van de Kolk, Thorsten Dirk Poeppel, James Nagarajah, Wolfgang Brandau, Andreas Bockisch, and Sandra Rosenbaum-Krumme
- 1766** Relationship Between ^{18}F -FDG Accumulation and Lactate Dehydrogenase A Expression in Lung Adenocarcinomas
Xiang Zhou, Ruohua Chen, Wenhui Xie, Yicheng Ni, Jianjun Liu, and Gang Huang
- 1772** Parametric Methods for Quantification of ^{18}F -FAZA Kinetics in Non-Small Cell Lung Cancer Patients
Eline E. Verwer, Idris Bahce, Floris H.P. van Velden, Maqsood Yaqub, Robert C. Schuit, Albert D. Windhorst, Pieter Raijmakers, Otto S. Hoekstra, Adriaan A. Lammertsma, Egbert F. Smit, and Ronald Boellaard
- 1778** First Clinical Results of (p)- ^{18}F -Fluoromethyltyrosine (BAY 86-9596) PET/CT in Patients with Non-Small Cell Lung Cancer and Head and Neck Squamous Cell Carcinoma
Irene A. Burger, Sabine Zitzmann-Kolbe, Jan Pruim, Matthias Friebe, Keith Graham, Andrew Stephens, Ludger Dinkelborg, Kristin Kowal, Roger Schibli, Gert Luurtsema, Bram Maas, Michaela Horn-Tutic, Stephan K. Haerle, Johan Wiegers, Niklaus G. Schaefer, Thomas F. Hany, and Gustav K. von Schulthess

- 1786** High Prognostic Value of ^{18}F -FDG PET for Metastatic Gastroenteropancreatic Neuroendocrine Tumors: A Long-Term Evaluation

Haïfa Bahri, Lenoir Laurence, Julien Edeline, Houda Leghzali, Anne Devillers, Jean-Luc Raoul, Marc Cuggia, Habiba Mesbah, Bruno Clement, Eveline Boucher, and Etienne Garin

- 1791** $^{99\text{m}}\text{Tc}$ -Labeled Small-Molecule Inhibitors of Prostate-Specific Membrane Antigen: Pharmacokinetics and Biodistribution Studies in Healthy Subjects and Patients with Metastatic Prostate Cancer

Shankar Vallabhajosula, Anastasia Nikolopoulou, John W. Babich, Joseph R. Osborne, Scott T. Tagawa, Irina Lipai, Lilja Solnes, Kevin P. Maresca, Thomas Armor, John L. Joyal, Robert Crummet, James B. Stubbs, and Stanley J. Goldsmith

- 1799** The Detection of Sentinel Nodes in Ovarian Cancer: A Feasibility Study

Marjolein Kleppe, Boudewijn Brans, Toon Van Gorp, Brigitte F.M. Slangen, Arnold J. Kruse, Ivo N.A. Pooters, Maartje G. Lotz, Koen K. Van de Vijver, and Roy F.P.M. Kruitwagen

- 1805** Regional Brain Glucose Metabolism and Neurocognitive Function in Adult Survivors of Childhood Cancer Treated with Cranial Radiation

Kevin R. Krull, Satoshi Minoshima, Michelle Edelmann, Brannon Morris, Noah D. Sabin, Tara M. Brinkman, Gregory T. Armstrong, Leslie L. Robison, Melissa M. Hudson, and Barry Shulkin

- 1811** Can Complementary ^{68}Ga -DOTATATE and ^{18}F -FDG PET/CT Establish the Missing Link Between Histopathology and Therapeutic Approach in Gastroenteropancreatic Neuroendocrine Tumors?

Duygu Has Simsek, Serkan Kuyumcu, Cuneyt Turkmen, Yasemin Sanli, Faruk Aykan, Seher Unal, and Isik Adalet

- 1818** In Vivo Imaging of Human Acetylcholinesterase Density in Peripheral Organs Using ^{11}C -Donepezil: Dosimetry, Biodistribution, and Kinetic Analyses

Trine Gjerløff, Steen Jakobsen, Adjal Nahimi, Ole L. Munk, Dirk Bender, Aage K.O. Alstrup, Karina H. Vase, Søren B. Hansen, David J. Brooks, and Per Borghammer

- 1825** An SPM8-Based Approach for Attenuation Correction Combining Segmentation and Nonrigid Template Formation: Application to Simultaneous PET/MR Brain Imaging

David Izquierdo-Garcia, Adam E. Hansen, Stefan Förster, Didier Benoit, Sylvia Schachoff, Sebastian Fürst, Kevin T. Chen, Daniel B. Chonde, and Ciprian Catana

CONTINUING EDUCATION

- 1831** Radionuclide Imaging in Ischemic Stroke
Wolf-Dieter Heiss

BASIC SCIENCE INVESTIGATIONS

- 1842** ^{188}Re -Z_{HER2:V2}, a Promising Affibody-Based Targeting Agent Against HER2-Expressing Tumors: Preclinical Assessment

Mohamed Altai, Helena Wällberg, Hadis Honarvar, Joanna Strand, Anna Orlova, Zohreh Varasteh, Mattias Sandström, John Löfblom, Erik Larsson, Sven-Erik Strand, Mark Lubberink, Stefan Ståhl, and Vladimir Tolmachev

1849 Can ¹¹¹In-RGD₂ Monitor Response to Therapy in Head and Neck Tumor Xenografts?

Samantha Y.A. Terry, Keelara Abiraj, Jasper Lok, Danny Gerrits, Gerben M. Franssen, Wim J.G. Oyen, and Otto C. Boerman

1856 PET Imaging of Very Late Antigen-4 in Melanoma: Comparison of ⁶⁸Ga- and ⁶⁴Cu-Labeled NODAGA and CB-TE1A1P-LLP2A Conjugates

Wissam Beaino and Carolyn J. Anderson

1864 Evaluation of the Therapeutic and Diagnostic Effects of PEGylated Liposome-Embedded ¹⁸⁸Re on Human Non-Small Cell Lung Cancer Using an Orthotopic Small-Animal Model

Liang-Ting Lin, Chih-Hsien Chang, Hsiang-Lin Yu, Ren-Shyan Liu, Hsin-Ell Wang, Shu-Jun Chiu, Fu-Du Chen, Te-Wei Lee, and Yi-Jang Lee

1871 ¹⁸F-FDG Kinetics Parameters Depend on the Mechanism of Injury in Early Experimental Acute Respiratory Distress Syndrome

Nicolas de Prost, Yan Feng, Tyler Wellman, Mauro R. Tucci, Eduardo L. Costa, Guido Musch, Tilo Winkler, R. Scott Harris, Jose G. Venegas, Wei Chao, and Marcos F. Vidal Melo

1878 Does Imaging $\alpha_v\beta_3$ Integrin Expression with PET Detect Changes in Angiogenesis During Bevacizumab Therapy?

Svetlana N. Rylova, Enikö Barnucz, Melpomeni Fani, Friederike Braun, Martin Werner, Silke Lassmann, Helmut R. Maecke, and Wolfgang A. Weber

1885 Internal Dose Assessment of (-)-¹⁸F-Flubatine, Comparing Animal Model Datasets of Mice and Piglets with First-in-Human Results

Bernhard Sattler, Mathias Kranz, Alexander Starke, Stephan Wilke, Cornelius K. Donat, Winnie Deuther-Conrad, Marianne Patt, Andreas Schildan, Jörg Patt, René Smits, Alexander Hoepfing, Peter Schoenknecht, Jörg Steinbach, Peter Brust, and Osama Sabri

1893 A Standardized Light-Emitting Diode Device for Photoimmunotherapy

Esther de Boer, Jason M. Warram, Elmire Hartmans, Peter J. Bremer, Ben Bijl, Lucia M.A. Crane, Wouter B. Nagengast, Eben L. Rosenthal, and Gooitzen M. van Dam

1899 Microscopic Validation of Macroscopic In Vivo Images Enabled by Same-Slide Optical and Nuclear Fusion

Kazumasa Inoue, Summer L. Gibbs, Fangbing Liu, Jeong Heon Lee, Yang Xie, Yoshitomo Ashitate, Hirofumi Fujii, John V. Frangioni, and Hak Soo Choi

1905 Cerenkov Luminescence Endoscopy: Improved Molecular Sensitivity with β^- -Emitting Radiotracers

Colin M. Carpenter, Xiaowei Ma, Hongguang Liu, Conroy Sun, Guillem Pratx, Jing Wang, Sanjiv S. Gambhir, Lei Xing, and Zhen Cheng

BRIEF COMMUNICATION

1910 Cross-Linked Polyethylene Glycol Beads to Separate ^{99m}Tc-Perchnetate from Low-Specific-Activity Molybdenum

François Bénard, Stefan K. Zeisler, Milan Vuckovic, Kuo-Shyan Lin, Zhengxing Zhang, Nadine Colpo, Xinchou Hou, Thomas J. Ruth, and Paul Schaffer

DEPARTMENTS

1914 Erratum

1915 Book Reviews

1916 Letters to the Editor

8A This Month in JNM

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UPCOMING EDUCATION ARTICLE

Value of ¹⁸F-FDG PET and PET/CT for Evaluation of Pediatric Malignancies

Lebriz Uslu, Jessica Donig, Michael Link, Jarrett Rosenberg, Andrew Quon, and Heike Daldrup-Link

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