

SNMMI NEWSLINE

- 15N** Medical Societies Seek Medicare Reform Collaboration
- 16N** NRC Vetoes T&E Changes; Approves ⁸²Rb and Emerging Tech Modernization
- 17N** SNMMI Calls for Expanded Coverage/Reimbursement of Amyloid PET
- 18N** ABNM: Nuclear Medicine In-Training Examination Goes Virtual
Leonie Gordon
- 19N** SNMMI Leadership Update: SNMMI Meetings Back in Full Swing
Virginia Pappas
- 20N** Newsbriefs
- 22N** From the Literature

DISCUSSIONS WITH LEADERS

- 497** Leadership in Patient Advocacy: A Conversation Between Josh Mailman and Thomas Hope
Josh Mailman and Thomas A. Hope

THE STATE OF THE ART

- 500** Nuclear Medicine and Artificial Intelligence: Best Practices for Algorithm Development
Tyler J. Bradshaw, Ronald Boellaard, Joyita Dutta, Abhinav K. Jha, Paul Jacobs, Quanzheng Li, Chi Liu, Arkadiusz Sitek, Babak Saboury, Peter J.H. Scott, et al.

HOT TOPICS

- 511** Virtual Biopsy: Just an AI Software or a Medical Procedure?
Jacob M. Murray, Bodo Wiegand, Boris Hadaschik, Ken Herrmann, and Jens Kleesiek

CONTINUING EDUCATION

- 514** Principles of Tracer Kinetic Analysis in Oncology, Part II: Examples and Future Directions
Austin R. Pantel, Varsha Viswanath, Mark Muzi, Robert K. Doot, and David A. Mankoff

ONCOLOGY

Clinical

- 522** Impact of ¹⁸F-FET PET/MRI on Clinical Management of Brain Tumor Patients
Cornelia Brendle, Caroline Maier, Benjamin Bender, Jens Schittenhelm, Frank Paulsen, Mirjam Renovanz, Constantin Roder, Salvador Castaneda-Vega, Ghazaleh Tabatabai, Ulrike Ernemann, et al.

- 528** Phase I Trial of ^{99m}Tc-(HE)₃-G3, a DARPIn-Based Probe for Imaging of HER2 Expression in Breast Cancer

Olga Bragina, Vladimir Chernov, Alexey Schulga, Elena Konovalova, Eugeniy Garbukov, Anzhelika Vorobyeva, Anna Orlova, Liubov Tashireva, Jens Sørensen, Roman Zelchan, et al.

- 536** First-in-Humans Evaluation of a PD-L1-Binding Peptide PET Radiotracer in Non-Small Cell Lung Cancer Patients

Xin Zhou, Jinquan Jiang, Xue Yang, Teli Liu, Jin Ding, Sridhar Nimmagadda, Martin G. Pomper, Hua Zhu, Jun Zhao, Zhi Yang, et al.

- 543** PET-Based Staging Is Cost-Effective in Early-Stage Follicular Lymphoma

Andrea C. Lo, Lyndon P. James, Anca Prica, Adam Raymakers, Stuart Peacock, Melody Qu, Alex V. Louie, Kerry J. Savage, Laurie H. Sehn, David Hodgson, et al.

- 549** Combined Metabolically Active Tumor Volume and Early Metabolic Response Improve Outcome Prediction in Metastatic Colorectal Cancer

Erwin Woff, Lisa Salvatore, Federica Marmorino, Dario Genovesi, Gabriela Critchi, Thomas Guiot, Lieveke Ameye, Francesco Sclafani, Alain Hendlisz, and Patrick Flamen

- 556** ■ **BRIEF COMMUNICATION.** Hepatic Artery Injection of ¹³¹I-Metuximab Combined with Transcatheter Arterial Chemoembolization for Unresectable Hepatocellular Carcinoma: A Prospective Nonrandomized, Multicenter Clinical Trial

Hui Chen, Gang Nan, Ding Wei, Ren-You Zhai, Ming Huang, Wu-Wei Yang, Bao-Cai Xing, Xu Zhu, Hai-Feng Xu, Xiao-Dong Wang, et al.

THERANOSTICS

Clinical

- 560** ■ **FEATURED ARTICLE OF THE MONTH.** ¹⁷⁷Lu-PSMA-617 and Idroneoxil in Men with End-Stage Metastatic Castration-Resistant Prostate Cancer (LuPIN): Patient Outcomes and Predictors of Treatment Response in a Phase I/II Trial
Sarennya Pathmanandavel, Megan Crumbaker, Andrew O. Yam, Andrew Nguyen, Christopher Rofe, Elizabeth Hovey, Craig Gedye, Edmond M. Kwan, Christine Hauser, Arun A. Azad, et al.

- 567** A Comprehensive Assessment of ⁶⁸Ga-PSMA-11 PET in Biochemically Recurrent Prostate Cancer: Results from a Prospective Multicenter Study on 2,005 Patients
Monica Abghari-Gerst, Wesley R. Armstrong, Kathleen Nguyen, Jeremie Calais, Johannes Czernin, David Lin, Namasvi Jariwala, Melissa Rodnick, Thomas A. Hope, Jason Hearn, et al.

- 573** An ⁸⁹Zr-Labeled PSMA Tracer for PET/CT Imaging of Prostate Cancer Patients

Felix Dietlein, Carsten Kobe, Sergio Muñoz Vázquez, Thomas Fischer, Heike Endepols, Melanie Hohberg, Manuel Reifegerst, Bernd Neumaier, Klaus Schomäcker, Alexander E. Drzezga, et al.

Basic

- 584** First In Vivo and Phantom Imaging of Cyclotron-Produced ¹³³La as a Theranostic Radionuclide for ²²⁵Ac and ¹³⁵La
Bryce J.B. Nelson, Simon Ferguson, Melinda Wuest, John Wilson, M. John M. Duke, Susan Richter, Hans Soenke-Jans, Jan D. Andersson, Freimut Juengling, and Frank Wuest

AI/ADVANCED IMAGE ANALYSIS

Basic

591 ■ FEATURED BASIC SCIENCE ARTICLE. Blind Image Restoration Enhances Digital Autoradiographic Imaging of Radiopharmaceutical Tissue Distribution

Lu Peng, Benabdallah Nadia, Jiang Wen, Brian W. Simons, Zhang Hanwen, Robert F. Hobbs, Ulmert David, Brian C. Baumann, Russell K. Pachynski, Abhinav K. Jha, et al.

COVID COMMUNICATIONS

598 ■ BRIEF COMMUNICATION. Experience with a Perfusion-Only Screening Protocol for Evaluation of Pulmonary Embolism During the COVID-19 Pandemic Surge

Arun Kumar, Renée M. Moadel, Linda B. Haramati, Kenny Ye, Leonard M. Freeman, and Lionel S. Zuckier

CARDIOVASCULAR

Clinical

602 ^{18}F -FDG PET in Myocardial Viability Assessment: A Practical and Time-Efficient Protocol

Joyce Mhlanga, Paul Derenoncourt, Adeel Haq, Anita Bhandiwad, Richard Laforest, Barry A. Siegel, Farrokh Dehdashti, Robert J. Gropler, and Thomas H. Schindler

ENDOCRINOLOGY

Clinical

609 Imaging Pituitary Vasopressin 1B Receptor in Humans with the PET Radiotracer ^{11}C -TASP699

Mika Naganawa, Nabeel B. Nabulsi, David Matuskey, Shannan Henry, Jim Ropchan, Shu-Fei Lin, Hong Gao, Richard Pracitto, David Labaree, Ming-Rong Zhang, et al.

NEUROLOGY

Clinical

615 ■ SPECIAL CONTRIBUTION. A Path to Qualification of PET/MRI Scanners for Multicenter Brain Imaging Studies: Evaluation of MRI-Based Attenuation Correction Methods Using a Patient Phantom

Ciprian Catana, Richard Laforest, Hongyu An, Fernando Boada, Tuoyu Cao, David Faul, Bjoern Jakoby, Floris P. Jansen, Bradley J. Kemp, Paul E. Kinahan, et al.

PHYSICS AND INSTRUMENTATION

Clinical

622 Whole-Body Parametric Imaging of ^{18}F -FDG PET Using uEXPLORER with Reduced Scanning Time

Yaping Wu, Tao Feng, Yizhang Zhao, Tianyi Xu, Fangfang Fu, Zhun Huang, Nan Meng, Hongdi Li, Fengmin Shao, and Meiyun Wang

MOLECULAR IMAGING

Basic

629 Influence of Fc Modifications and IgG Subclass on Biodistribution of Humanized Antibodies Targeting L1CAM

Sai Kiran Sharma, Maya Suzuki, Hong Xu, Joshua A. Korsen, Zachary Samuels, Hongfen Guo, Brandon Nemieboka, Alessandra Piersigilli, Kimberly J. Edwards, Nai-Kong V. Cheung, et al.

DEPARTMENTS

12A This Month in JNM