

SNMMI NEWSLINE

- 9N** 2021 SNMMI Highlights Lecture: Oncology and Therapy, Part 1
Heiko Schöder
- 15N** SNMMI and ACGME Equity Matters Initiative
- 16N** In memoriam: Amnon (Amy) Piepsz, MD (1938–2021)
Alain Prigent, M. Donald Blafox, Andrew Taylor, and Naomi Alazraki
- 17N** SNMMI Leadership Update: State of the Society: SNMMI Thrives Despite COVID-19 Challenges
Virginia Pappas
- 18N** Newsbriefs

THE STATE OF THE ART

- 1323** Somatostatin Receptor Imaging and Theranostics: Current Practice and Future Prospects
Sonya Park, Ashwin Singh Parihar, Lisa Bodei, Thomas A. Hope, Nadine Mallak, Corina Millo, Kalpna Prasad, Don Wilson, Katherine Zukotynski, and Erik Mittra

HOT TOPICS

- 1330** Artificial Intelligence for PET Image Reconstruction
Andrew J. Reader and Georg Schramm

CONTINUING EDUCATION

- 1334** PET/MRI Improves Management of Children with Cancer
Lucia Baratto, K. Elizabeth Hawk, Lisa States, Jing Qi, Sergios Gatidis, Louise Kiru, and Heike E. Daldrop-Link

FOCUS ON MOLECULAR IMAGING

- 1341** The Latest Advances in Imaging Crosstalk Between the Immune System and Fibrosis in Cardiovascular Disease
Gyu Seong Heo, Lanlan Lou, Deborah Sultan, and Yongjian Liu

EDITORIAL

- 1347** Imaging of Small Intestine Neuroendocrine Neoplasms: Is SSTR PET the Holy Grail?
Alessio Imperiale, Leah Meuter, Karel Pacak, and David Taïeb

ONCOLOGY

Clinical

- 1349** Simultaneous Mapping of Vasculature, Hypoxia, and Proliferation Using Dynamic Susceptibility Contrast MRI, ¹⁸F-FMISO PET, and ¹⁸F-FLT PET in Relation to Contrast Enhancement in Newly Diagnosed Glioblastoma
Solène Collet, Jean-Sébastien Guillamo, David Hassanein Berro, Ararat Chakhoyan, Jean-Marc Constans, Emmanuèle Lechapt-Zalcman, Jean-Michel Derlon, Mathieu Hatt, Dimitris Visvikis, Stéphane Guillouet, et al.

- 1357** Technologic (R)Evolution Leads to Detection of More Sentinel Nodes in Patients with Melanoma in the Head and Neck Region
Danique M.S. Berger, Nynke S. van den Berg, Vincent van der Noort, Bernies van der Hiel, Renato A. Valdés Olmos, Tessa A. Buckle, Gijs H. Kleinjan, Oscar R. Brouwer, Lenka Vermeeren, Baris Karakullukcu, et al.

- 1363** Diagnostic Value, Oncologic Outcomes, and Safety Profile of Image-Guided Surgery Technologies During Robot-Assisted Lymph Node Dissection with Sentinel Node Biopsy for Prostate Cancer
Elio Mazzone, Paolo Dell'Oglio, Nikos Grivas, Esther Wit, Maarten Donswijk, Alberto Briganti, Fijs Van Leeuwen, and Henk van der Poel

- 1372** Diagnostic Contribution of Contrast-Enhanced CT as Compared with Unenhanced Low-Dose CT in PET/CT Staging and Treatment Response Assessment of ¹⁸F-FDG-Avid Lymphomas: A Prospective Study
Lara Marchetti, Luca Perrucci, Fabio Pellegrino, Luca Baroni, Annalisa Merlo, Massimo Tilli, Ilaria Rambaldi, Elisa Maietti, Aldo Carnevale, Mirco Bartolomei, et al.

- 1380** ■ **BRIEF COMMUNICATION.** Prognostic Value of Bone Marrow Metabolism on Pretreatment ¹⁸F-FDG PET/CT in Patients with Metastatic Melanoma Treated with Anti-PD-1 Therapy
Ryusuke Nakamoto, Lisa C. Zaba, Tie Liang, Sunil Arani Reddy, Guido Davidzon, Carina Mari Aparici, Judy Nguyen, Farshad Moradi, Andrei Iagaru, and Benjamin Lewis Franc

Basic

- 1384** Exploiting the MUC5AC Antigen for Noninvasive Identification of Pancreatic Cancer
Kelly E. Henry, Travis M. Shaffer, Kyeera N. Mack, Janine Ring, Anuja Ogirala, Susanne Klein-Scory, Christina Eilert-Micus, Wolff Schmiegel, Thilo Bracht, Barbara Sitek, et al.

THERANOSTICS

Clinical

- 1391** ■ **BRIEF COMMUNICATION.** First-in-Humans Application of ¹⁶¹Tb: A Feasibility Study Using ¹⁶¹Tb-DOTATOC
Richard P. Baum, Aviral Singh, Harshad R. Kulkarni, Peter Bernhardt, Tobias Rydén, Christiane Schuchardt, Nadezda Gracheva, Pascal V. Grundler, Ulli Köster, Dirk Müller, et al.
- 1398** ■ **FEATURED ARTICLE OF THE MONTH.** A Prospective, Randomized, Double-Blind Study to Evaluate the Safety, Biodistribution, and Dosimetry of ⁶⁸Ga-NODAGA-LM3 and ⁶⁸Ga-DOTA-LM3 in Patients with Well-Differentiated Neuroendocrine Tumors
Wenjia Zhu, Yuejuan Cheng, Ru Jia, Hong Zhao, Chunmei Bai, Jianming Xu, Shaobo Yao, and Li Huo
- 1406** Quantitative ⁶⁸Ga-DOTATATE PET/CT Parameters for the Prediction of Therapy Response in Patients with Progressive Metastatic Neuroendocrine Tumors Treated with ¹⁷⁷Lu-DOTATATE
Claudia Ortega, Rebecca K.S. Wong, Josh Schaefferkoetter, Patrick Veit-Haibach, Sten Myrehaug, Rosalyn Juergens, David Laidley, Reut Anconina, Amy Liu, and Ur Metser
- 1415** Improved Primary Staging of Marginal-Zone Lymphoma by Addition of CXCR4-Directed PET/CT
Johannes Duell, Franziska Krummenast, Andreas Schirbel, Philipp Klassen, Samuel Samnick, Hilka Rauert-Wunderlich, Leo Rasche, Andreas K. Buck, Hans-Jürgen Wester, Andreas Rosenwald, et al.

1422 Matched-Pair Comparison of ¹⁸F-DCFPyL PET/CT and ¹⁸F-PSMA-1007 PET/CT in 240 Prostate Cancer Patients: Interreader Agreement and Lesion Detection Rate of Suspected Lesions

Maurits Wondergem, Friso M. van der Zant, Wouter A.M. Broos, and Remco J.J. Knol

1430 Prospective, Single-Arm Trial Evaluating Changes in Uptake Patterns on Prostate-Specific Membrane Antigen-Targeted ¹⁸F-DCFPyL PET/CT in Patients with Castration-Resistant Prostate Cancer Starting Abiraterone or Enzalutamide

Katherine A. Zukotynski, Urban Emmenegger, Sebastien Hotte, Anil Kapoor, Wei Fu, Amanda L. Blackford, John Valliant, François Bénard, Chun K. Kim, Mark C. Markowski, et al.

1438 ■ INVITED PERSPECTIVE. RESIST-PC: U.S. Academic Foray into PSMA Theranostic Trials

Amir Iravani and Thomas A. Hope

1440 Prospective phase 2 trial of PSMA-targeted molecular Radiotherapy with ¹⁷⁷Lu-PSMA-617 for metastatic castration-reSISTant Prostate Cancer (RESIST-PC): efficacy results of the UCLA cohort

Jeremie Calais, Andrei Gafita, Matthias Eiber, Wesley R. Armstrong, Jeannine Gartmann, Pan Thin, Kathleen Nguyen, Vincent Lok, Laura Gosa, Tristan Grogan, et al.

1447 Safety of PSMA-Targeted Molecular Radioligand Therapy with ¹⁷⁷Lu-PSMA-617: Results from the Prospective Multicenter Phase 2 Trial RESIST-PC (NCT03042312)

Jeremie Calais, Johannes Czernin, Pan Thin, Jeannine Gartmann, Kathleen Nguyen, Wesley R. Armstrong, Martin Allen-Auerbach, Andrew Quon, Shadfar Bahri, Pawan Gupta, et al.

1457 ■ BRIEF COMMUNICATION. Head-to-Head Comparison of ⁶⁸Ga-NOTA (⁶⁸Ga-NGUL) and ⁶⁸Ga-PSMA-11 in Patients with Metastatic Prostate Cancer: A Prospective Study

Minseok Suh, Hyung-Jun Im, Hyun Gee Ryoo, Keon Wook Kang, Jae Min Jeong, Sneha Prakash, Sanjana Ballal, Madhav P. Yadav, Chandrasekhar Bal, Chang Wook Jeong, et al.

Basic

1461 ■ FEATURED BASIC SCIENCE ARTICLE. Rational Linker Design to Accelerate Excretion and Reduce Background

Uptake of Peptidomimetic PSMA-Targeting Hybrid Molecules

Ann-Christin Eder, Martin Schäfer, Jana Schmidt, Ulrike Bauder-Wüst, Mareike Roscher, Karin Leotta, Uwe Haberkorn, Klaus Kopka, and Matthias Eder

1468 Utility of ²¹¹At-Trastuzumab for the Treatment of Metastatic Gastric Cancer in the Liver: Evaluation of a Preclinical α -Radioimmunotherapy Approach in a Clinically Relevant Mouse Model

Huizi Keiko Li, Yukie Morokoshi, Satoshi Kodaira, Tamon Kusumoto, Katsuyuki Minegishi, Hiroaki Kanda, Kotaro Nagatsu, and Sumitaka Hasegawa

1475 Identification of a PET Radiotracer for Imaging of the Folate Receptor- α : A Potential Tool to Select Patients for Targeted Tumor Therapy

Patrycja Guzik, Hsin-Yu Fang, Luisa M. Deberle, Martina Benešová, Susan Cohrs, Silvan D. Boss, Simon M. Ametamey, Roger Schibli, and Cristina Müller

LETTERS TO THE EDITOR

1482 PSMA-Targeted Therapeutics: A Tale About Law and Economics

Johannes Notni

1483 Reply: PSMA-Targeted Therapeutics: A Tale About Law and Economics

Johannes Czernin

1483 ¹⁸F-FDG-Avid Axillary Lymph Nodes After COVID-19 Vaccination

B. Jake Johnson, Kathryn M. Van Abel, Daniel J. Ma, Derek R. Johnson

1484 Specific and Nonspecific Uptake in Quantitative ⁸⁹Zr-Immuno-PET

Eric Laffon and Roger Marthan

DEPARTMENTS

8A This Month in JNM