

SNMMI NEWSLINE

- 11N** 2021 SNMMI Highlights Lecture: Oncology and Therapy, Part 2
Heiko Schöder
- 17N** Commentary: NRC Rejects Petitions to End Reliance on LNT Model
Jeffrey A. Siegel, Bill Sacks, and Bennett S. Greenspan
- 19N** SNMMI Leadership Update: Advocating for Expanded Access
Richard Wahl
- 20N** Newsbriefs
- 21N** From the Literature

EDITOR'S PAGE

- 1487** ■ **EDITORIAL.** To Scan or Not to Scan: An Unnecessary Dilemma for PSMA Radioligand Therapy
Sandy Srinivas and Andrei Iagaru
- 1489** PSMA Expression Assessed by PET Imaging Is a Required Biomarker for Selecting Patients for Any PSMA-Targeted Therapy
Jeremie Calais and Johannes Czernin

DISCUSSIONS WITH LEADERS

- 1492** Perspectives on Theranostics and Nuclear Medicine
Andrew M. Scott and Johannes Czernin

THE STATE OF THE ART

- 1495** Production and Supply of α -Particle-Emitting Radionuclides for Targeted α -Therapy
Valery Radchenko, Alfred Morgenstern, Amir R. Jalilian, Caterina F. Ramogida, Cathy Cutler, Charlotte Duchemin, Cornelia Hoehr, Ferrid Haddad, Frank Bruchertseifer, Haavar Gausemel, et al.

HOT TOPICS

- 1504** Radionuclide Imaging of the Gut-Brain Axis in Parkinson Disease
Jacob Horsager, Karoline Knudsen, and Per Borghammer

FOCUS ON MOLECULAR IMAGING

- 1506** Latest Advances in Imaging Oxidative Stress in Cancer
Hannah E. Greenwood and Timothy H. Witney

ONCOLOGY

Clinical

- 1511** Accuracy of ^{18}F -Fluorocholine PET for the Detection of Parathyroid Adenomas: Prospective Single-Center Study
Thomas A. Hope, Claire E. Graves, Jeremie Calais, Eric C. Ehman, Geoffrey B. Johnson, Daniel Thompson, Maya Aslam, Quan-Yang Duh, Jessica E. Gosnell, Wen T. Shen, et al.

- 1517** GRPr Antagonist ^{68}Ga -SB3 PET/CT Imaging of Primary Prostate Cancer in Therapy-Naïve Patients
Ingrid L. Bakker, Alida C. Fröberg, Martijn B. Busstra, J. Fred Verzijlbergen, Mark Konijnenberg, Geert J.L.H. van Leenders, Ivo G. Schoots, Erik de Blois, Wytse M. van Weerden, Simone U. Dalm, et al.

- 1524** ^{18}F -FDG PET/MRI for Staging and Interim Response Assessment in Pediatric and Adolescent Hodgkin Lymphoma: A Prospective Study with ^{18}F -FDG PET/CT as the Reference Standard
Martijn V. Verhagen, Leon J. Menezes, Deena Neriman, Tom A. Watson, Shonit Punwani, Stuart A. Taylor, Ananth Shankar, Stephen Daw, and Paul D. Humphries

- 1531** Interobserver Agreement on Automated Metabolic Tumor Volume Measurements of Deauville Score 4 and 5 Lesions at Interim ^{18}F -FDG PET in Diffuse Large B-Cell Lymphoma
Gerben J.C. Zwezerijnen, Jakoba J. Eertink, Coreline N. Burggraaff, Sanne E. Wieggers, Ekhlās A.I.N. Shaban, Simone Piepenbosch, Daniela E. Oprea-Lager, Pieternella J. Lugtenburg, Otto S. Hoekstra, Henrica C.W. de Vet, et al.

Basic

- 1537** A Model System to Explore the Detection Limits of Antibody-Based Immuno-SPECT Imaging of Exclusively Intranuclear Epitopes
Mathew Veal, Gemma Dias, Veerle Kersemans, Deborah Sneddon, Stephen Faulkner, and Bart Cornelissen

THERANOSTICS

Clinical

- 1545** PSMA- and GRPR-Targeted PET: Results from 50 Patients with Biochemically Recurrent Prostate Cancer
Lucia Baratto, Hong Song, Heying Duan, Negin Hatami, Hilary P. Bagshaw, Mark Buyyounouski, Steven Hancock, Sumit Shah, Sandy Srinivas, Patrick Swift, et al.
- 1550** Early Injection of Furosemide Increases Detection Rate of Local Recurrence in Prostate Cancer Patients with Biochemical Recurrence Referred for ^{68}Ga -PSMA-11 PET/CT
Christian Uprimny, Steffen Bayerschmidt, Alexander Stephan Kroiss, Josef Fritz, Bernhard Nilica, Hanna Svirydenka, Clemens Decristoforo, Elisabeth von Guggenberg, Wolfgang Horninger, and Irene Johanna Virgolini
- 1558** ■ **FEATURED ARTICLE OF THE MONTH.** Surgical Feasibility, Determinants, and Overall Efficacy of Neoadjuvant ^{177}Lu -DOTATATE PRRT for Locally Advanced Unresectable Gastroenteropancreatic Neuroendocrine Tumors
Rahul V. Parghane, Manish Bhandare, Vikram Chaudhari, Vikas Ostwal, Anant Ramaswamy, Sanjay Talole, Shailesh V. Shrikhande, and Sandip Basu
- 1564** Semiautomatic Tumor Delineation for Evaluation of ^{64}Cu -DOTATATE PET/CT in Patients with Neuroendocrine Neoplasms: Prognostication Based on Lowest Lesion Uptake and Total Tumor Volume
Esben Andreas Carlsen, Camilla Bardram Johnbeck, Mathias Loft, Andreas Pfeifer, Peter Oturai, Seppo W. Langer, Ulrich Knigge, Claes Nøhr Ladefoged, and Andreas Kjaer

- 1571** First-in-Humans Study of the SSTR Antagonist ¹⁷⁷Lu-DOTA-LM3 for Peptide Receptor Radionuclide Therapy in Patients with Metastatic Neuroendocrine Neoplasms: Dosimetry, Safety, and Efficacy
Richard P. Baum, Jingjing Zhang, Christiane Schuchardt, Dirk Müller, and Helmut Mäcke

CARDIOVASCULAR

Clinical

- 1582** Quantitation of Poststress Change in Ventricular Morphology Improves Risk Stratification
Robert J.H. Miller, Tali Sharir, Yuka Otaki, Heidi Gransar, Joanna X. Liang, Andrew J. Einstein, Mathews B. Fish, Terrence D. Ruddy, Philipp A. Kaufmann, Albert J. Sinusas, et al.
- 1591** Metabolic Scar Assessment with ¹⁸F-FDG PET: Correlation to Ischemic Ventricular Tachycardia Substrate and Successful Ablation Sites
Yousra Ghzally, Hasan Imanli, Mark Smith, Jagat Mahat, Wengen Chen, Alejandro Jimenez, Mariem A. Sawan, Mohamed Aboel-Kassem F. Abdelmegid, Hatem Abd el Rahman Helmy, Salwa Demitry, et al.
- 1599** ■ **SPECIAL CONTRIBUTION.** Practical Guide for Interpreting and Reporting Cardiac PET Measurements of Myocardial Blood Flow: An Information Statement from the American Society of Nuclear Cardiology, and the Society of Nuclear Medicine and Molecular Imaging
Timothy M. Bateman, Gary V. Heller, Rob Beanlands, Dennis A. Calnon, James Case, Rob deKemp, E. Gordon DePuey, Marcelo Di Carli, Emel C. Guler, Venkatesh L. Murthy, et al.

RADIOBIOLOGY/DOSIMETRY

Clinical

- 1616** Dose–Response and Dose–Toxicity Relationships for Glass ⁹⁰Y Radioembolization in Patients with Liver Metastases from Colorectal Cancer
Ahmed A. Alsultan, Caren van Roekel, Maarten W. Barentsz, Maarten L.J. Smits, Britt Kunnen, Miriam Koopman, Arthur J.A.T. Braat, Rutger C.G. Bruijnen, Bart de Keizer, and Marnix G.E.H. Lam

RADIOCHEMISTRY

Basic

- 1624** Site-Specific and Residualizing Linker for ¹⁸F Labeling with Enhanced Renal Clearance: Application to an Anti-HER2 Single-Domain Antibody Fragment
Zhengyuan Zhou, Rebecca Meshaw, Michael R. Zalutsky, and Ganesan Vaidyanathan

MOLECULAR IMAGING

Basic

- 1631** Cyclic ⁶⁸Ga-Labeled Peptides for Specific Detection of Human Angiotensin-Converting Enzyme 2
Matthew F.L. Parker, Joseph Blecha, Oren Rosenberg, Michael Ohliger, Robert R. Flavell, and David M. Wilson
- 1638** ■ **FEATURED BASIC SCIENCE ARTICLE.** Single-Domain Antibody Nuclear Imaging Allows Noninvasive Quantification of LAG-3 Expression by Tumor-Infiltrating Leukocytes and Predicts Response of Immune Checkpoint Blockade
Quentin Lecocq, Robin Maximilian Awad, Yannick De Vlaeminck, Wout de Mey, Thomas Ertveldt, Cleo Goyvaerts, Geert Raes, Kris Thielemans, Marleen Keyaerts, Nick Devoogdt, et al.

AI/ADVANCED IMAGE ANALYSIS

Translational

- 1645** Direct Attenuation Correction Using Deep Learning for Cardiac SPECT: A Feasibility Study
Jaewon Yang, Luyao Shi, Rui Wang, Edward J. Miller, Albert J. Sinusas, Chi Liu, Grant T. Gullberg, and Youngho Seo

CHALLENGING CASE STUDY

- 1653** ¹⁸F-FDG PET/CT Sheds Light on a Case of Hyponatremia
Delphine Gans, Pauline Braet, Niloefar Ahmadi Bidakhvidi, Christophe M. Deroose, Brigitte Decallonne, and Sander Jentjens

LETTERS TO THE EDITOR

- 1655** Effect of COVID-19 Lockdown on Oncologic Patients Undergoing Treatment at a Tertiary-Care Hospital in India
Jasim Jaleel, Althaf K. Majeed, Chandrasekhar Bal, and Rakesh Kumar
- 1656** Not Yet Time to Abandon the Deauville Criteria in Diffuse Large B-Cell Lymphoma
Sally F. Barrington, Jakoba J. Eertink, Henrika C. W. de Vet, N. George Mikhaeel, Otto S. Hoekstra, and Josee M. Zijlstra

DEPARTMENTS

- 10A** This Month in JNM