

## SNMMI NEWSLINE

- 11N** 2021 SNMMI Highlights Lecture: Neuroscience  
Julie Price
- 18N** ABNM: Interim Report on Provisional Requirements for Radionuclide Therapy  
George M. Segall
- 19N** SNMMI Leadership Update: SNMMI Mid-Winter and ACNM Annual Meeting Convene In-Person  
Virginia Pappas
- 20N** Newsbriefs

## DISCUSSIONS WITH LEADERS

- 1657** Molecular Imaging Leadership in Academia and Industry  
Mark Mintun and David Mankoff

## THE STATE OF THE ART

- 1660** Radionuclide Therapy in Prostate Cancer: From Standalone to Combination PSMA Theranostics  
Shahneen Sandhu, Christina Guo, and Michael S. Hofman

## HOT TOPICS

- 1669** Radioembolization Versus Bland or Chemoembolization for Liver-Dominant Neuroendocrine Tumors: Is It an Either/Or Question?  
Jonathan Strosberg, Ghassan El-Haddad, Taymeyah Al-Toubah, Diane Reidy-Lagunes, Etay Ziv, Armeen Mahvash, Arvind Dasari, Philip A. Philip, and Michael C. Soulen

## FOCUS ON MOLECULAR IMAGING

- 1672** Building the Bridge: Molecular Imaging Biomarkers for 21st Century Cancer Therapies  
Mark A. Sellmyer, Iris K. Lee, and David A. Mankoff

## ONCOLOGY

### Clinical

- 1677** Determining the Axillary Nodal Status with 4 Current Imaging Modalities, Including <sup>18</sup>F-FDG PET/MRI, in Newly Diagnosed Breast Cancer: A Comparative Study Using Histopathology as the Reference Standard  
Janna Morawitz, Nils-Martin Bruckmann, Frederic Dietzel, Tim Ullrich, Ann-Kathrin Bittner, Oliver Hoffmann, Svjetlana Mohrmann, Lena Häberle, Marc Ingenwerth, Lale Umutlu, et al.
- 1684** Prognostic Value of Postinduction Chemotherapy Volumetric PET/CT Parameters for Stage IIIA or IIIB Non-Small Cell Lung Cancer Patients Receiving Definitive Chemoradiotherapy  
Maja Guberina, Christoph Pöttgen, Martin Metzenmacher, Marcel Wiesweg, Martin Schuler, Clemens Aigner, Till Ploenes, Lale Umutlu, Thomas Gauler, Kaid Darwiche, et al.

- 1692** Transarterial Radioembolization Versus Systemic Treatment for Hepatocellular Carcinoma with Macrovascular Invasion: Analysis of the U.S. National Cancer Database  
Joseph C. Ahn, Marie Lauzon, Michael Luu, Marc L. Friedman, Kambiz Kosari, Nicholas Nissen, Shelly C. Lu, Lewis R. Roberts, Amit G. Singal, and Ju Dong Yang

- 1702** Minimal Extrathyroidal Extension in Papillary Thyroid Microcarcinoma Is an Independent Risk Factor for Relapse Through Lymph Node and Distant Metastases  
Robert Seifert, Michael Schäfers, Barbara Heitplatz, Laura Kerschke, Burkhard Riemann, and Benjamin Noto

## THERANOSTICS

### Clinical

- 1710** ■ EDITORIAL. Bringing VISION to Nuclear Medicine: Accelerating Evidence and Changing Paradigms with Theranostics  
Michael S. Hofman
- 1712** Symptom Diaries of Patients with Midgut Neuroendocrine Tumors Treated with <sup>177</sup>Lu-DOTATATE  
Jonathan R. Strosberg, Rajaventhana Srirajakanthan, Ghassan El-Haddad, Edward M. Wolin, Beth A. Chasen, Matthew H. Kulke, David L. Bushnell, Martyn E. Caplin, Richard P. Baum, Andrew E. Hendifar, et al.
- 1719** Detection Efficacy of <sup>18</sup>F-rhPSMA-7.3 PET/CT and Impact on Management in Patients with Biochemical Recurrence of Prostate Cancer After Radical Prostatectomy and Before Potential Salvage Treatment  
Isabel Rauscher, Amir Karimzadeh, Kilian Schiller, Thomas Horn, Calogero D'Alessandria, Charlott Franz, Hannah Wörther, Noemi Nguyen, Stephanie E. Combs, Wolfgang A. Weber, et al.
- 1727** A Phase II, Open-Label Study to Assess Safety and Management Change Using <sup>68</sup>Ga-THP PSMA PET/CT in Patients with High-Risk Primary Prostate Cancer or Biochemical Recurrence After Radical Treatment: The PRONOUNCED Study  
Asim Afaq, Heather Payne, Reena Davda, John Hines, Gary J.R. Cook, Marie Meagher, Dimitrios Priftakis, Victoria S. Warbey, Anand Kelkar, Clement Orczyk, et al.
- 1735** Tumor Detection of <sup>18</sup>F-PSMA-1007 in the Prostate Gland in Patients with Prostate Cancer Using Prostatectomy Specimens as Reference Method  
Elin Trägårdh, Athanasios Simoulis, Anders Bjartell, and Jonas Jögi
- 1741** Assessing Response to <sup>177</sup>Lu-PSMA Radioligand Therapy Using Modified PSMA PET Progression Criteria  
Kerstin Michalski, Claudius Klein, Tonio Brüggemann, Philipp T. Meyer, Cordula A. Jilg, and Juri Ruf
- 1747** ■ BRIEF COMMUNICATION. PSMA PET for the Assessment of Metastatic Hormone-Sensitive Prostate Cancer Volume of Disease  
Francesco Barbato, Wolfgang P. Fendler, Isabel Rauscher, Ken Herrmann, Axel Wetter, Justin Ferdinandus, Robert Seifert, Michael Nader, Kambiz Rahbar, Boris Hadaschik, et al.

## RADIONUCLIDE THERAPY

### Basic

**1751** ■ **FEATURED BASIC SCIENCE ARTICLE.** Improved  $^{223}\text{Ra}$  Therapy with Combination Epithelial Sodium Channel Blockade

Diane S. Abou, Amanda Fears, Lucy Summer, Mark Longtine, Nadia Benabdallah, Ryan C. Riddle, David Ulmert, Jeff M. Michalski, Richard L. Wahl, Denise Chesner, et al.

## CARDIOVASCULAR

### Clinical

**1759** Comparison of the Effect of Three Different Dietary Modifications on Myocardial Suppression in  $^{18}\text{F}$ -FDG PET/CT Evaluation of Patients for Suspected Cardiac Sarcoidosis

Can Özütemiz, Yasemin Koxsel, Jerry W. Froelich, Nathan Rubin, Maneesh Bhargava, Henri Roukoz, Rebecca Cogswell, Jeremy Markowitz, David M. Perlman, and Daniel Steinberger

**1768** MRI-Guided Motion-Corrected PET Image Reconstruction for Cardiac PET/MRI

Camila Munoz, Sam Ellis, Stephan G. Nekolla, Karl P. Kunze, Teresa Vitadello, Radhouene Neji, Rene M. Botnar, Julia A. Schnabel, Andrew J. Reader, and Claudia Prieto

## NEUROLOGY

### Clinical

**1775** ■ **FEATURED ARTICLE OF THE MONTH.** Dynamic  $^{18}\text{F}$ -FPCIT PET: Quantification of Parkinson Disease Metabolic Networks and Nigrostriatal Dopaminergic Dysfunction in a Single Imaging Session

Shichun Peng, Chris Tang, Katharina Schindlbeck, Yaacov Rydzinski, Vijay Dhawan, Phoebe G. Spetsieris, Yilong Ma, and David Eidelberg

**1783** Frontal Hypometabolism in Neurocognitive Disorder with Behavioral Disturbance

Christine Bastin, Mohamed Ali Bahri, Claire Bernard, Roland Hustinx, and Eric Salmon

### Basic

**1789** A Noninvasive Method for Quantifying Cerebral Metabolic Rate of Oxygen by Hybrid PET/MRI: Validation in a Porcine Model

Lucas Narciso, Tracy Ssali, Linshan Liu, Heather Biernaski, John Butler, Laura Morrison, Jennifer Hadway, Jeffrey Corsaut, Justin W. Hicks, Michael C. Langham, et al.

## MOLECULAR IMAGING

### Basic

**1797** Mesothelin/CD3 Half-Life-Extended Bispecific T-Cell Engager Molecule Shows Specific Tumor Uptake and Distributes to Mesothelin and CD3-Expressing Tissues

Frans V. Suurs, Grit Lorenczewski, Julie M. Bailis, Sabine Stienen, Matthias Friedrich, Fei Lee, Bert van der Vegt, Elisabeth G.E. de Vries, Derk Jan A. de Groot, and Marjolijn N. Lub-de Hooge

## RADIOBIOLOGY/DOSIMETRY

### Basic

**1805** Patient Size-Dependent Dosimetry Methodology Applied to  $^{18}\text{F}$ -FDG Using New ICRP Mesh Phantoms

Lukas M. Carter, Chansoo Choi, Simone Krebs, Bradley J. Beattie, Chan Hyeong Kim, Heiko Schoder, Wesley E. Bolch, and Adam L. Kesner

## INFECTIOUS DISEASE

### Clinical

**1815** Appropriate Use Criteria for the Use of Nuclear Medicine in Musculoskeletal Infection Imaging

Christopher J. Palestro, Alicia Clark, Erin E. Grady, Sherif Heiba, Ora Israel, Alan Klitzke, Charito Love, Mike Sathekge, Treves Ted, and Tracy L. Yarbrough

## LETTERS TO THE EDITOR

**1832** Houdini's Illusions: Some Acts Are Not What They Seem to Be

Roelof J. Bennink, Mathias Prokop, Andor W. J. M. Glaudemans, Liesbeth Peters-Bax, Jasper H. G. Helthuis, Arthur Adams, Peter R. Kornaat, Adriaan A. Lammertsma, and Lenka M. Pereira Arias-Bouda

**1833** Cut Point Identification of Continuous Biomarkers: A Challenge That Goes Beyond Statistical Aspects

Paulo Schiavom Duarte

## DEPARTMENTS

**10A** This Month in JNM