SNMMI NEWSLINE

13N SNMMI Diversity, Equity, and Inclusion Task Force Statement
Hyewon Hyun and Alan Packard

14N 2020 SNMMI Highlights Lecture: Oncology and Therapy, Part 2
Andrew M. Scott

20N Humana Decision to Deny PET/CT Coverage

21N DOE Isotope Program Releases Annual Update on Medical Isotopes

22N SNMMI Leadership Update: Improving Radionuclide Availability
Alan B. Packard

23N Newsbriefs

EDITOR’S PAGE

1 Humana and 18F-FDG PET/CT: Another Sequel to the Injustice of Being Judged by the Errors of Others
Johannes Czernin and Andrei Iagaru

DISCUSSIONS WITH LEADERS

3 Irène Buvat and Ken Herrmann Talk with Alexander Stremitzer, Kevin Tobia, and Aileen Nielsen
Irène Buvat, Ken Herrmann, Alexander Stremitzer, Kevin Tobia, and Aileen Nielsen

THE STATE OF THE ART

6 Mars Shot for Nuclear Medicine, Molecular Imaging, and Molecularly Targeted Radiopharmaceutical Therapy

ARTIFICIAL INTELLIGENCE

15 INVITED PERSPECTIVE. How Much Can Potential Jurors Tell Us About Liability for Medical Artificial Intelligence?
W. Nicholson Price II, Sara Gerke, and I. Glenn Cohen

17 When Does Physician Use of AI Increase Liability?
Kevin Tobia, Aileen Nielsen, and Alexander Stremitzer

CONTINUING EDUCATION

22 Machine Learning in Nuclear Medicine: Part 2—Neural Networks and Clinical Aspects
Katherine Zukotynski, Vincent Gaudet, Carlos F. Uribe, Sulantha Mathotaarachchi, Kenneth C. Smith, Pedro Rosa-Neto, François Bénard, and Sandra E. Black

ONCOLOGY

Clinical

30 Deep-Learning 18F-FDG Uptake Classification Enables Total Metabolic Tumor Volume Estimation in Diffuse Large B-Cell Lymphoma
Nicolo Capobianco, Michel Meignan, Anne-Ségolène Cottereau, Laetitia Vercellino, Ludovic Sibille, Bruce Spottswood, Sven Zuehlsdorff, Olivier Casasnovas, Catherine Thieblemont, and Irene Urevat

37 Interim PET Evaluation in Diffuse Large B-Cell Lymphoma Using Published Recommendations: Comparison of the Deauville 5-Point Scale and the ΔSUVRmax Method
Jan Rekowski, Andreas Huttmann, Christine Schmitz, Stefan P. Müller, Lars Kurch, Jörg Kotzerke, Christiane Franzius, Matthias Weckesser, Frank M. Bengel, Martin Freesmeyer, et al.

43 124I-MIBG PET/CT to Monitor Metastatic Disease in Children with Relapsed Neuroblastoma

48 The Prognostic Value of Quantitative Bone SPECT/CT Before 223Ra Treatment in Metastatic Castration-Resistant Prostate Cancer
Helmut Dittmann, Sabine Kaltenbach, Matthias Weissinger, Francesco Fiz, Peter Martus, Maren Pritzkow, Juergen Kupferschlaeger, and Christiant la Fougeré

Basic

55 TAG-72–Targeted α-Radionuclide Therapy of Ovarian Cancer Using 225Ac-Labeled DOTATATE Antibody

THERANOSTICS

Clinical

62 Unexplained Hyperthyglobulinemia in Differentiated Thyroid Cancer Patients as an Indication for Radioiodine Adjuvant Therapy: A Prospective Multicenter Study
Lin Cheng, Ri Sa, Qiong Luo, Hao Fu, Yuchen Jin, Linglin Tang, Yi Yang, Chunjing Yu, and Libo Chen

69 Risk of Bowel Obstruction in Patients with Mesenteric or Peritoneal Disease Receiving Peptide Receptor Radionuclide Therapy
Jonathan R. Strosberg, Taymeyah Al-Toubah, Eleonora Pellé, Johanna Smith, Mintallah Haider, Tai Hutchinson, Jason B. Fleming, and Ghassan El-Haddad

73 FEATURED ARTICLE OF THE MONTH. 68Cu-DOTATATE PET in Patients with Neuroendocrine Neoplasms: Prospective, Head-to-Head Comparison of Imaging at 1 Hour and 3 Hours After Injection

81 The Effects of Monosodium Glutamate on PSMA Radiotracer Uptake in Men with Recurrent Prostate Cancer: A Prospective, Randomized, Double-Blind, Placebo-Controlled Intraindividual Imaging Study
Sara Harzini, Heather Saprunoff, Tina Alden, Behnoud Mohammadi, Don Wilson, and François Bénard
**Basic**

88 ■ BRIEF COMMUNICATION. PSMA-Ligand PET for Early Castration-Resistant Prostate Cancer: A Retrospective Single-Center Study

92 ■ Effect of Tumor Perfusion and Receptor Density on Tumor Control Probability in 177Lu-DOTATATE Therapy: An In Silico Analysis for Standard and Optimized Treatment

**PEDIATRICS**

99 ■ PROEDURE STANDARD. SNMMI Procedure Standard/EANM Practice Guideline on Pediatric 18F-FDG PET/CT for Oncology 1.0

**CARDIOVASCULAR**

111 ■ FEATURED BASIC SCIENCE ARTICLE. Targeted PET Imaging of Chemokine Receptor 2–Positive Monocytes and Macrophages in the Injured Heart
Gyu Seong Heo, Geetika Bajpai, Wenjun Li, Hannah P. Luehmann, Deborah H. Sultan, Hao Dun, Florian Leuschner, Steven L. Brody, Robert J. Gropler, Daniel Kreisel, et al.

**GASTROENTEROLOGY**

Clinical

115 ■ Experience with Esophagogastroduodenal Transit Scintigraphy in the Initial 229 Patients: Multiple Regions of Dysmotility Are Common
Harvey A. Ziessman, Mathurika Jeyasingam, Ahsan U. Khan, Zsuzsanna McMahan, and Pankaj J. Pasricha

**PHYSICS AND INSTRUMENTATION**

123 ■ Investigating Low-Dose Image Quality in Whole-Body Pediatric 18F-FDG Scans Using Time-of-Flight PET/MRI
Jeffrey P. Schmall, Suleman Surti, Hansel J. Otero, Sabah Servaes, Joel S. Karp, and Lisa J. States

**RADIOCHEMISTRY**

131 ■ Cyclotron Production and Separation of Scandium Radionuclides from Natural Titanium Metal and Titanium Dioxide Targets
C. Shaun Loveless, Jose R. Blanco, George L. Diehl III, Rawdah T. Elbahrawi, Tommaso S. Carzaniga, Saverio Braccini, and Suzanne E. Lapi

**MOLECULAR IMAGING**

Basic

137 ■ Preclinical Evaluation of an Engineered Single-Chain Fragment Variable-Fragment Crystalizable Targeting Human CD44
Philipp Diebold, Cedric Mpoy, Jalen Scott, Truc T. Huynh, Ryan Fields, Dirk Spitzer, Nilantha Bandara, and Buck E. Rogers

**DEPARTMENTS**

12A ■ This Month in JNM

144 ■ Letters to the Editor