

SNMMI NEWSLINE

17N 2020 SNMMI Highlights Lecture: General Nuclear Medicine and Molecular Imaging

Heather A. Jacenee

23N COVID-19 and Ventilation/Perfusion (V/Q) Lung Studies

24N SNMMI Leadership Update: SNMMI Launches Updated Learning Center and Webinars Hub

Virginia Pappas

25N From the Literature

EDITOR'S PAGE

1409 First Tau PET Tracer Approved: Toward Accurate In Vivo Diagnosis of Alzheimer Disease

Henryk Barthel

EDITORIAL

1411 Brain Tau Imaging: Food and Drug Administration Approval of ¹⁸F-Flortaucipir Injection

Venkata S. Mattay, Anthony F. Fatenos, Charles J. Ganley, and Libero Marzella

THE STATE OF THE ART

1413 Correlation of Alzheimer Disease Neuropathologic Staging with Amyloid and Tau Scintigraphic Imaging Biomarkers

Ivan Koychev, Monika Hofer, and Nicholas Friedman

CONTINUING EDUCATION

1419 Optical Imaging Modalities: Principles and Applications in Preclinical Research and Clinical Settings

Giacomo Pirovano, Sheryl Roberts, Susanne Kossatz, and Thomas Reiner

FOCUS ON MOLECULAR IMAGING

1428 *Quo Vadis*, Molecular Imaging?

Jan Grimm, Fabian Kiessling, and Bernd J. Pichler

ONCOLOGY

Clinical

1435 The Optimal Imaging Window for Dysplastic Colorectal Polyp Detection Using c-Met-Targeted Fluorescence Molecular Endoscopy

Steven J. de Jongh, Josephina P.M. Vrouwe, Floris J. Voskuil, Iris Schmidt, Jessie Westerhof, Jan J. Koornstra, Marieke L. de Kam, Arend Karrenbeld, James C.H. Hardwick, Dominic J. Robinson, et al.

1442 ¹⁸F-FDG PET/CT Identifies Predictors of Survival in Patients with Locally Advanced Cervical Carcinoma and Paraaortic Lymph Node Involvement to Allow Intensification of Treatment

Hélène Leray, Erwan Gabiache, Frédéric Courbon, Isabelle Brenot-Rossi, Hélène Colineaux, Benoît Lepage, Eric Lambaudie, Alejandra Martinez, Marie Voglimacci, Ariane Weyl, et al.

1448 Performance of Digital PET Compared with High-Resolution Conventional PET in Patients with Cancer

Daniëlle Koopman, Jorn. A. van Dalen, Henk Stevens, Cornelis H. Slump, Siert Knollema, and Pieter L. Jager

1455 Quantification of PD-L1 Expression with ¹⁸F-BMS-986192 PET/CT in Patients with Advanced-Stage Non-Small Cell Lung Cancer

Marc C. Huisman, Anna-Larissa N. Niemeijer, Albert D. Windhorst, Robert C. Schuit, David Leung, Wendy Hayes, Alex Poot, Idris Bahce, Teodora Radonic, Daniela E. Oprea-Lager, et al.

Translational

1461 Clinical Translation of a ⁶⁸Ga-Labeled Integrin $\alpha_v\beta_6$ -Targeting Cyclic Radiotracer for PET Imaging of Pancreatic Cancer

Xun Feng, Yanpu Wang, Dehua Lu, Xiaoxia Xu, Xin Zhou, Huiyuan Zhang, Ting Zhang, Hua Zhu, Zhi Yang, Fan Wang, et al.

Basic

1468 ■ **FEATURED BASIC SCIENCE ARTICLE.** ¹⁷⁷Lu-Lilotomab Satetraxetan Has the Potential to Counteract Resistance to Rituximab in Non-Hodgkin Lymphoma

Marion M. Malenge, Sebastian Patzke, Anne H. Ree, Trond Stokke, Peter Ceuppens, Brian Middleton, Jostein Dahle, and Ada H.V. Repetto-Llamazares

THERANOSTICS

Clinical

1476 Early Prostate-Specific Antigen Changes and Clinical Outcome After ¹⁷⁷Lu-PSMA Radionuclide Treatment in Patients with Metastatic Castration-Resistant Prostate Cancer

Andrei Gafita, Matthias M. Heck, Isabel Rauscher, Robert Tauber, Lisena Cala, Charlott Franz, Calogero D'Alessandria, Margitta Retz, Wolfgang A. Weber, and Matthias Eiber

1484 Multiphasic ⁶⁸Ga-PSMA PET/CT in the Detection of Early Recurrence in Prostate Cancer Patients with a PSA Level of Less Than 1 ng/mL: A Prospective Study of 135 Patients

Mohsen Beheshti, Reyhaneh Manafi-Farid, Hans Geinitz, Reza Vali, Wolfgang Loidl, Felix M. Mottaghy, and Werner Langsteiger

1491 ⁶⁴Cu-DOTATATE PET/CT and Prediction of Overall and Progression-Free Survival in Patients with Neuroendocrine Neoplasms

Esben Andreas Carlsen, Camilla Bardram Johnbeck, Tina Binderup, Mathias Loft, Andreas Pfeifer, Jann Mortensen, Peter Oturai, Annika Loft, Anne Kiil Berthelsen, Seppo W. Langer, et al.

1498 ■ INVITED PERSPECTIVE. Cerenkov Luminescence

Imaging for Surgical Margins in Radical Prostatectomy: A Surgical Perspective

Dominic Bagguley, Marcus Cumberbatch, Nathan Lawrentschuk, and Declan G. Murphy

1500 ■ FEATURED ARTICLE OF THE MONTH. Intraoperative

⁶⁸Ga-PSMA Cerenkov Luminescence Imaging for Surgical Margins in Radical Prostatectomy: A Feasibility Study

Christopher Darr, Nina N. Harke, Jan Philipp Radtke, Leubet Yirga, Claudia Kesch, Maarten R. Grootendorst, Wolfgang P. Fendler, Pedro Fragoso Costa, Christoph Rischpler, Christine Praus, et al.

Basic

1507 Design and Development of ^{99m}Tc-Labeled FAPI Tracers for SPECT Imaging and ¹⁸⁸Re Therapy

Thomas Lindner, Annette Altmann, Susanne Krämer, Christian Kleist, Anastasia Loktev, Clemens Kratochwil, Frederik Giesel, Walter Mier, Frederik Marme, Jürgen Debus, et al.

RADIATION DOSIMETRY

1514 OpenDose: Open-Access Resource for Nuclear Medicine Dosimetry

Maxime Chauvin, Damian Borys, Francesca Botta, Pawel Bzowski, Jérémie Dabin, Ana M. Denis-Bacelar, Aurélie Desbrée, Nadia Falzone, Boon Quan Lee, Andrea Mairani, et al.

PHYSICS AND INSTRUMENTATION

Clinical

1520 Clinical Evaluation of a Data-Driven Respiratory Gating Algorithm for Whole-Body PET with Continuous Bed Motion

Florian Büther, Judson Jones, Robert Seifert, Lars Stegger, Paul Schleyer, and Michael Schäfers

Basic

1528 High-Resolution Depth-Encoding PET Detector Module with Prismatoid Light-Guide Array

Andy LaBella, Xinjie Cao, Eric Petersen, Rick Lubinsky, Anat Biegon, Wei Zhao, and Amir H. Goldan

SPECIAL CONTRIBUTION

1534 Guidance and Best Practices for Reestablishment of Non-Emergent Care in Nuclear Cardiology Laboratories During the Coronavirus Disease 2019 (COVID-19) Pandemic: An Information Statement from ASNC, IAEA, and SNMMI

Hicham Skali, Venkatesh L. Murthy, Diana Paez, Elisa M. Choi, Felix Y. J. Keng, McGhie A. Iain, Mouaz Al-Mallah, Roxana Campisi, Timothy M. Bateman, Ignasi Carrio, et al.

DEPARTMENTS

16A This Month in JNM