

SNMMI NEWSLINE

- 11N** FDA Approves ^{18}F -DCFPyL PET Agent in Prostate Cancer
- 12N** 2021 SNMMI Highlights Lecture: General Nuclear Medicine
Andrei Iagaru
- 18N** Larson Recognized with 2021 Paul C. Aebersold Award
- 19N** Ruth Receives SNMMI Georg Charles de Hevesy Nuclear
Pioneer Award
- 20N** SNMMI Honors Contributors at 2021 Annual Meeting
- 22N** SNMMI Leadership Update: The SNMMI 2021 Virtual Annual
Meeting: Accessible, Exceptional Research and Education
Virginia Pappas

EDITOR'S PAGE

- 1025** ^{177}Lu -PSMA617 and the VISION Trial: One of the Greatest
Success Stories in the History of Nuclear Medicine
Johannes Czernin and Jeremie Calais

DISCUSSIONS WITH LEADERS

- 1027** Perspectives on Cutting-Edge Clinical Trials
Michael Hofman, Jérémie Calais, and Johannes Czernin

HOT TOPICS

- 1031** Landscape Analysis of Phase 2 and 3 Clinical Trials for
Targeted Radionuclide Therapy
Erik Mittra and Lisa Bodei

CONTINUING EDUCATION

- 1033** Imaging of Pheochromocytoma and Paraganglioma
Jorge A. Carrasquillo, Clara C. Chen, Abhishek Jha,
Alexander Ling, Frank I. Lin, Daniel A. Pryma, and
Karel Pacak

FOCUS ON MOLECULAR IMAGING

- 1043** Repurposing $^{99\text{m}}\text{Tc}$ -Mebrofenin as a Probe for Molecular
Imaging of Hepatocyte Transporters
Solène Marie, Irene Hernández-Lozano, Oliver Langer, and
Nicolas Tournier

EDITORIAL

- 1048** At Last, ^{18}F -FDG for Inflammation and Infection!
Richard L. Wahl, Vasken Dilsizian, and Christopher J. Palestro

ONCOLOGY

Clinical

- 1050** Quantification of Metastatic Prostate Cancer Whole-Body
Tumor Burden with ^{18}F -FDG PET Parameters and
Associations with Overall Survival After First-Line
Abiraterone or Enzalutamide: A Single-Center
Retrospective Cohort Study

Andreas G. Wibmer, Michael J. Morris, Mithat Gonen, Junting Zheng,
Hedvig Hricak, Steven Larson, Howard I. Scher, and
Hebert Alberto Vargas

1057 PET/CT-Guided Biopsy of Suspected Lung Lesions Requires Less Rebiopsy Than CT-Guided Biopsy Due to Inconclusive Results

Juliano J. Cerci, Mateos Bogoni, Rodrigo J. Cerci, Margaret Masukawa,
Carlos C.P. Neto, Cassiano Krauzer, Stefano Fanti,
Danielle G. Sakamoto, Renan B. Barreiros, Cristina Nanni, et al.

1062 Lymph Node Staging with a Combined Protocol of ^{18}F -FDG PET/MRI and Sentinel Node SPECT/CT: A Prospective Study in Patients with FIGO I/II Cervical Carcinoma

Matthias Weissinger, Florin-Andrei Taran, Sergios Gatidis,
Stefan Kommoss, Konstantin Nikolaou, Samine Sahbai,
Christian la Fougère, Sara Yvonne Brucker, and
Helmut Dittmann

1068 Interim PET in Diffuse Large B-Cell Lymphoma

Lars Kurch, Andreas Hüttmann, Thomas W. Georgi, Jan Rekowski,
Osama Sabri, Christine Schmitz, Regine Kluge, Ulrich Dührsen, and
Dirk Hasenclever

THERANOSTICS

Clinical

1075 Radiation Dosimetry of $^{99\text{m}}\text{Tc}$ -PSMA I&S: A Single-Center Prospective Study

Szabolcs Urbán, Catherine Meyer, Magnus Dahlbom, István Farkas,
Gábor Sipka, Zsuzsanna Besenyi, Johannes Czernin, Jeremie Calais, and
László Pávics

1082 Matched-Pair Comparison of ^{68}Ga -PSMA-11 and ^{18}F -rhPSMA-7 PET/CT in Patients with Primary and Biochemical Recurrence of Prostate Cancer: Frequency of Non-Tumor-Related Uptake and Tumor Positivity

Markus Kroenke, Lilit Mirzoyan, Thomas Horn, Jan C. Peecken,
Alexander Wurzer, Hans-Jürgen Wester, Marcus Makowski,
Wolfgang A. Weber, Matthias Eiber, and Isabel Rauscher

1089 ■ FEATURED CLINICAL INVESTIGATION ARTICLE. Salvage Radiotherapy Management Decisions in Postprostatectomy Patients with Recurrent Prostate Cancer Based on ^{18}F -Fluciclovine PET/CT Guidance

Olayinka A. Abiodun-Ojo, Ashesh B. Jani, Akinyemi A. Akintayo,
Oladunni O. Akin-Akintayo, Oluwaseun A. Odewole,
Funmilayo I. Tade, Shreyas S. Joshi, Viraj A. Master, Bridget Fielder,
Raghuvveer K. Halkar, et al.

1097 Phase I Trial of ^{131}I -GMIB-Anti-HER2-VHH1, a New Promising Candidate for HER2-Targeted Radionuclide Therapy in Breast Cancer Patients

Matthias D'Huyvetter, Jens De Vos, Vicky Caveliers, Ilse Vaneycken,
Johannes Heemskerk, Francois P. Duhoux, Christel Fontaine,
Marian Vanhoeij, Albert D. Windhorst, Frank van der Aa, et al.

Basic

1106 Comparative Preclinical Biodistribution, Dosimetry, and Endoradiotherapy in Metastatic Castration-Resistant Prostate Cancer Using $^{19}\text{F}/^{177}\text{Lu}$ -rhPSMA-7.3 and ^{177}Lu -PSMA I&T

Nahid Yusufi, Alexander Wurzer, Michael Herz,
Calogero D'Alessandria, Benedikt Feuerecker, Wolfgang Weber,
Hans-Jürgen Wester, Stephan Nekolla, and Matthias Eiber

CARDIOVASCULAR

Clinical

1112 Simulation of Low-Dose Protocols for Myocardial Perfusion ^{82}Rb Imaging

Martin Lyngby Lassen, Yuka Otaki, Paul Kavanagh, Robert J.H. Miller, Daniel S. Berman, and Piotr J. Slomka

RADIOBIOLOGY/DOSIMETRY

Clinical

1118 A Novel Time–Activity Information–Sharing Approach Using Nonlinear Mixed Models for Patient-Specific Dosimetry with Reduced Imaging Time Points: Application in SPECT/CT After ^{177}Lu -DOTATATE

Theresa P. Devasia, Yuni K. Dewaraja, Kirk A. Frey, Ka Kit Wong, and Matthew J. Schipper

1126 Evaluation of Safety and Dosimetry of ^{177}Lu -DOTA-ZOL for Therapy of Bone Metastases

René Fernández, Elisabeth Eppard, Wencke Lehnert, Luis David Jiménez-Franco, Cristian Soza-Ried, Matías Ceballos, Jessica Ribbeck, Andreas Kluge, Frank Rösch, Marian Meckel, et al.

1133 ■ SPECIAL CONTRIBUTION. Overview of the First NRG Oncology–National Cancer Institute Workshop on Dosimetry of Systemic Radiopharmaceutical Therapy

Emilie Roncali, Jacek Capala, Stanley H. Benedict, Gamal Akabani, Bryan Bednarz, Vikram Bhadrasain, Wesley E. Bolch, Jeffrey C. Buchsbaum, Norman C. Coleman, Yuni K. Dewaraja, et al.

MOLECULAR IMAGING

Basic

1140 ■ FEATURED ARTICLE OF THE MONTH. Synthesis and Evaluation of ^{18}F -Enzalutamide, a New Radioligand for PET Imaging of Androgen Receptors: A Comparison with 16β - ^{18}F -Fluoro- 5α -Dihydrotestosterone

Inês F. Antunes, Rutger J. Dost, Hilde D. Hoving, Aren van Waarde,

Rudi A.J.O Dierckx, Douwe F. Samplonius, Wijnand Helfrich, Philip H. Elsinga, Erik F.J. de Vries, and Igle J. de Jong

1146 Metallofluorocarbon Nanoemulsion for Inflammatory Macrophage Detection via PET and MRI

Chao Wang, Benjamin I. Leach, Deanne Lister, Stephen R. Adams, Hongyan Xu, Carl Hoh, Patrick McConville, Jing Zhang, Karen Messer, and Eric T. Ahrens

1154 Kinetic Modeling of ^{18}F -(2*S*,4*R*)-4-Fluoroglutamine in Mouse Models of Breast Cancer to Estimate Glutamine Pool Size as an Indicator of Tumor Glutamine Metabolism

Varsha Viswanath, Rong Zhou, Hsiaoju Lee, Shihong Li, Abigail Cragin, Robert K. Doot, David A. Mankoff, and Austin R. Pantel

RADIOCHEMISTRY

Basic

1163 Mapping Arginase Expression with ^{18}F -Fluorinated Late-Generation Arginase Inhibitors Derived from Quaternary α -Amino Acids

Gonçalo S. Clemente, Inês F. Antunes, Santosh Kurhade, Mariska P.M. van den Berg, Jürgen W.A. Sijbesma, Aren van Waarde, Rogier C. Buijsman, Nicole Willemsen-Seegers, Reinoud Gosens, Herman Meurs, et al.

CHALLENGING CASE STUDIES

1171 Postinfectious Neurologic Complications in COVID-19: A Complex Case Report

Pietro Tiraboschi, Rubjona Khani, Simone M. Zerbi, Angelo Corso, Isabella Martinelli, Laura Fusi, Giampiero Grampa, Andrea Lombardo, Paola Cavalcante, Cristina Cappelletti, et al.

DEPARTMENTS

10A This Month in JNM

1176 Erratum