

SNMMI NEWSLINE

- 13N** 2019 SNMMI Highlights Lecture: General Nuclear Medicine and Molecular Imaging
Heather A. Jacene
- 19N** Di Carli Receives de Hevesy Nuclear Pioneer Award
- 20N** Moving in the Right Direction: Why Diversity Matters to the ABNM
Leonie Gordon
- 21N** SNMMI Leadership Update—SNMMI Mid-Winter and ACNM Annual Meeting in Tampa, FL: Spotlight on Brain Imaging
Virginia Pappas
- 22N** Newsbriefs

DISCUSSIONS WITH LEADERS

- 1337** A Conversation Between Elisabeth de Vries and Johannes Czernin
Elisabeth de Vries and Johannes H. Czernin

THE STATE OF THE ART

- 1340** Summary of the First ISMRM–SNMMI Workshop on PET/MRI: Applications and Limitations
Thomas A. Hope, Zahi A. Fayad, Kathryn J. Fowler, Dawn Holley, Andrei Iagaru, Alan B. McMillan, Patrick Veit-Haiback, Robert J. Witte, Greg Zaharchuk, and Ciprian Catana

HOT TOPICS

- 1347** Is There Value for Artificial Intelligence Applications in Molecular Imaging and Nuclear Medicine?
Gerold Porenta

CONTINUING EDUCATION

- 1350** Multimodality Imaging of Prostate Cancer
Soleen Ghafoor, Irene A. Burger, and Alberto H. Vargas

ONCOLOGY

Clinical

- 1359** Intention-to-Treat Analysis of ^{68}Ga -PSMA and ^{11}C -Choline PET/CT Versus CT for Prostate Cancer Recurrence After Surgery
Johannes Schwenck, Susann-Cathrin Olthof, Christina Pfannenbergl, Gerald Reischl, Daniel Wegener, Jolanta Marzec, Jens Bedke, Arnulf Stenzl, Konstantin Nikolaou, Christian la Fougère, et al.
- 1366** Combining ^{18}F -FDG PET/CT–Based Metabolically Active Tumor Volume and Circulating Cell-Free DNA Significantly Improves Outcome Prediction in Chemorefractory Metastatic Colorectal Cancer
Erwin Woff, Pashalina Kehagias, Caroline Vandeputte, Lieveke Ameye, Thomas Guiot, Marianne Paesmans, Alain Hendlisz, and Patrick Flamen

Basic

- 1373** Treatment-Related Uptake of O-(2- ^{18}F -Fluoroethyl)-L-Tyrosine and L-[Methyl- ^3H]-Methionine After Tumor Resection in Rat Glioma Models
Stefanie Geisler, Carina Stegmayr, Nicole Niemitz, Philipp Lohmann, Marion Rapp, Gabriele Stoffels, Antje Willuweit, Norbert Galldiks, Christian Filss, Michael C. Sabel, et al.
- 1380** ^{68}Ga -DOTA-E[c(RGDfK)]₂ PET Imaging of SHARPIN-Regulated Integrin Activity in Mice
Riikka Siitonen, Emilia Peuhu, Anu Autio, Heidi Liljenbäck, Elina Mattila, Olli Metsälä, Meeri Käkälä, Tiina Saanijoki, Ingrid Dijkgraaf, Sirpa Jalkanen, et al.

THERANOSTICS

Clinical

- 1388** Effect of External Cooling on ^{177}Lu -PSMA Uptake by the Parotid Glands
Burcak Yilmaz, Serap Nisli, Nurhan Ergul, Riza Umar Gursu, Ozgur Acikgoz, and Tevfik Fikret Çermik
- 1394** Bridging the Imaging Gap: PSMA PET/CT Has a High Impact on Treatment Planning in Prostate Cancer Patients with Biochemical Recurrence—A Narrative Review of the Literature
Özgül Ekmekcioglu, Martijn Busstra, Natalie Desiree Klass, and Fred Verzijlbergen
- 1399** Side Effects of CXC-Chemokine Receptor 4–Directed Endoradiotherapy with Pentixather Before Hematopoietic Stem Cell Transplantation
Sabine Maurer, Peter Herhaus, Romina Lippenmeyer, Heribert Hänscheid, Malte Kircher, Andreas Schirbel, H. Carlo Maurer, Andreas K. Buck, Hans-Jürgen Wester, Hermann Einsele, et al.
- 1406** ■ **FEATURED ARTICLE OF THE MONTH.** Bone Marrow Absorbed Doses and Correlations with Hematologic Response During ^{177}Lu -DOTATATE Treatments Are Influenced by Image-Based Dosimetry Method and Presence of Skeletal Metastases
Linn Hagmarker, Johanna Svensson, Tobias Rydén, Martijn van Essen, Anna Sundlöv, Katarina Sjögren Gleisner, Peter Gertsson, and Peter Bernhardt

Basic

- 1414** Preclinical Pharmacokinetics and Dosimetry Studies of $^{124}\text{I}/^{131}\text{I}$ -CLR1404 for Treatment of Pediatric Solid Tumors in Murine Xenograft Models
Ian R. Marsh, Joseph Grudzinski, Dana C. Baiu, Abigail Besemer, Reinier Hernandez, Justin J. Jeffery, Jamey P. Weichert, Mario Otto, and Bryan P. Bednarz
- 1421** ■ **FEATURED BASIC SCIENCE ARTICLE.** Development of Fibroblast Activation Protein–Targeted Radiotracers with Improved Tumor Retention
Anastasia Loktev, Thomas Lindner, Eva-Maria Burger, Annette Altmann, Frederik Giesel, Clemens Kratochwil, Jürgen Debus, Frederik Marmé, Dirk Jäger, Walter Mier, et al.

RADIONUCLIDE THERAPY

Clinical

- 1430** A Pilot Study on Hepatobiliary Scintigraphy to Monitor Regional Liver Function in ^{90}Y Radioembolization
Sandra van der Velden, Manon N.G.J.A. Braat, Tim A. Labeur, Mike V. Scholten, Otto M. van Delden, Roelof J. Bennink, Hugo W.A.M. de Jong, and Marnix G.E.H. Lam

Basic

1437 ⁶⁴Cu-Intraperitoneal Radioimmunotherapy: A Novel Approach for Adjuvant Treatment in a Clinically Relevant Preclinical Model of Pancreatic Cancer

Yukie Yoshii, Hiroki Matsumoto, Mitsuyoshi Yoshimoto, Yoko Oe, Ming-Rong Zhang, Kotaro Nagatsu, Aya Sugyo, Atsushi B. Tsuji, and Tatsuya Higashi

NEUROLOGY

Clinical

1444 Effect of Off-Target Binding on ¹⁸F-Flortaucipir Variability in Healthy Controls Across the Life Span

Suzanne L. Baker, Theresa M. Harrison, Anne Maass, Renaud La Joie, and William J. Jagust

1452 Dynamic ¹¹C-PiB PET Shows Cerebrospinal Fluid Flow Alterations in Alzheimer Disease and Multiple Sclerosis

Julia J. Schubert, Mattia Veronese, Livia Marchitelli, Benedetta Bodini, Matteo Tonietto, Bruno Stankoff, David J. Brooks, Alessandra Bertoldo, Paul Edison, and Federico E. Turkheimer

MOLECULAR IMAGING

Translational

1461 ■ FEATURED TRANSLATIONAL SCIENCE ARTICLE.

Multispectral Optoacoustic Tomography of Benign and Malignant Thyroid Disorders: A Pilot Study

Wolfgang Roll, Niklas A. Markwardt, Max Masthoff, Anne Helfen, Jing Claussen, Michel Eisenblätter, Alexa Hasenbach, Sven Hermann, Angelos Karlas, Moritz Wildgruber, et al.

Basic

1467 A Dual-Modality Linker Enables Site-Specific Conjugation of Antibody Fragments for ¹⁸F-Immuno-PET and Fluorescence Imaging

Kirstin A. Zettlitz, Christopher M. Waldmann, Wen-Ting K. Tsai, Richard Tavaré, Jeffrey Collins, Jennifer M. Murphy, and Anna M. Wu

1474 Tumor Imaging Using Radiolabeled Matrix Metalloproteinase-Activated Anthrax Proteins

Mary-Ann Elvina Xavier, Shihui Liu, Thomas H. Bugge, Julia Baguña Torres, Michael Mosley, Samantha L. Hopkins, Phillip D. Allen, Georgina Berridge, Iolanda Vendrell, Roman Fischer, et al.

PHYSICS AND INSTRUMENTATION

1483 Reproducibility and Comparability of Preclinical PET Imaging Data: A Multicenter Small-Animal PET Study

Julia G. Mannheim, Martin Mamach, Sybille Reder, Alexander Traxl, Natalie Mucha, Jonathan A. Disselhorst, Markus Mittelhäuser, Claudia Kuntner, James T. Thackeray, Sibylle Ziegler, et al.

DEPARTMENTS

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1492 Book Reviews

1493 Letters to the Editor