

SNMMI NEWSLINE

- 7N** JNM Immediacy Index Increases by 25%
- 7N** SNMMI New Fellows Honored
- 8N** SNMMI Annual Meeting Spotlights New Innovations and Expanding Horizons
- 10N** New Officers for SNMMI and SNMMI-TS
- 13N** Lewis Recognized with 2018 Paul C. Aebersold Award
- 14N** Is Availability of ^{99m}Tc -DMSA Insufficient to Meet Clinical Needs in the United States? A Survey
Ruth Lim, MD, Zvi Bar-Sever, MD, and S. Ted Treves, MD
- 17N** SNMMI Leadership Update: SNMMI 2019 Annual Meeting Highlights Trailblazers, Focuses on Innovation
Virginia Pappas, CAE
- 18N** From the Literature

EDITOR'S PAGE

- 1037** Toward Independent Nuclear Medicine, Molecular Imaging, and Theranostic Programs
Johannes Czernin

DISCUSSIONS WITH LEADERS

- 1038** A Conversation Between Hedvig Hricak and Johannes Czernin
Hedvig Hricak and Johannes Czernin

HOT TOPICS

- 1042** Artificial Intelligence in Nuclear Cardiology
Javier Gomez and Rami Doukky

THE STATE OF THE ART

- 1044** Development of Dedicated Brain PET Imaging Devices: Recent Advances and Future Perspectives
Ciprian Catana

ONCOLOGY

Clinical

- 1053** Early Postoperative ^{18}F -FET PET/MRI for Pediatric Brain and Spinal Cord Tumors
Lisbeth Marner, Karsten Nysom, Astrid Sehested, Lise Borgwardt, René Mathiasen, Otto Mølby Henriksen, Michael Lundemann, Per Munck af Rosenschöld, Carsten Thomsen, Lars Bøgeskov, et al.

- 1059** Quantitative Tumor Perfusion Imaging with ^{82}Rb PET/CT in Prostate Cancer: Analytic and Clinical Validation
Mads R. Jochumsen, Lars P. Tolbod, Bodil G. Pedersen, Maria M. Nielsen, Søren Høyer, Jørgen Frøkiær, Michael Borre, Kirsten Bouchelouche, and Jens Sørensen

- 1066** Quantitative Imaging Biomarkers for ^{90}Y Distribution on Bremsstrahlung SPECT After Resin-Based Radioembolization
Isabel Schobert, Julius Chapiro, Nariman Nezami, Charlie A. Hamm, Bernhard Gebauer, MingDe Lin, Jeffrey Pollak, Lawrence Saperstein, Todd Schlachter, and Lynn J. Savic

- 1073** Intraperitoneal α -Emitting Radioimmunotherapy with ^{211}At in Relapsed Ovarian Cancer: Long-Term Follow-up with Individual Absorbed Dose Estimations
Andreas Hallqvist, Karin Bergmark, Tom Bäck, Håkan Andersson, Pernilla Dahm-Kähler, Mia Johansson, Sture Lindegren, Holger Jensen, Lars Jacobsson, Ragnar Hultborn, et al.

- 1080** Measurement Repeatability of ^{18}F -FDG PET/CT Versus ^{18}F -FDG PET/MRI in Solid Tumors of the Pelvis
Tyler J. Fraum, Kathryn J. Fowler, John P. Crandall, Richard A. Laforest, Amber Salter, Hongyu An, Michael A. Jacobs, Perry W. Grigsby, Farrokh Dehdashti, and Richard L. Wahl

- 1087** Is True Whole-Body ^{18}F -FDG PET/CT Required in Pediatric Lymphoma? An IAEA Multicenter Prospective Study
Juliano J. Cerci, Elba C. Etchebehere, Helen Nadel, Anita Brink, Chandrasekhar S. Bal, Venkatesh Rangarajan, Thomas Pfluger, Olga Kagna, Omar Alonso, Fatima K. Begum, et al.

- 1094** ■ INVITED PERSPECTIVE. In Search of Platinum Meter Bar for Measurement of Metabolic Tumor Volume in Lymphoma
Andrea Gallamini

- 1096** ■ SPECIAL CONTRIBUTION. Time to Prepare for Risk Adaptation in Lymphoma by Standardizing Measurement of Metabolic Tumor Burden
Sally F. Barrington and Michel Meignan

Basic

- 1103** Preclinical Evaluation of ^{111}In -Labeled PEGylated Maytansine Nimotuzumab Drug Conjugates in EGFR-Positive Cancer Models
Siddesh V. Hartimath, Elahe Alizadeh, Viswas Raja Solomon, Rufael Chekol, Wendy Bernhard, Wayne Hill, Angel Casaco Parada, Kris Barreto, Clarence Ronald Geyer, and Humphrey Fonge

THERANOSTICS

Clinical

- 1111** Healthy Tissue Uptake of ^{68}Ga -Prostate-Specific Membrane Antigen, ^{18}F -DCFPyL, ^{18}F -Fluoromethylcholine, and ^{18}F -Dihydrotestosterone
Bernard H.E. Jansen, Gem M. Kramer, Matthijs C.F. Cysouw, Maqsood M. Yaqub, Bart de Keizer, Jules Lavalaye, Jan Booi, Hebert Alberto Vargas, Michael J. Morris, André N. Vis, et al.

- 1118** ⁶⁸Ga-PSMA-11 PET/MR Detects Local Recurrence Occult on mpMRI in Prostate Cancer Patients After HIFU
Irene A. Burger, Julian Müller, Olivio F. Donati, Daniela A. Ferraro, Michael Messerli, Benedikt Kranzbühler, Edwin E.G.W. ter Voert, Urs J. Muehlematter, Niels J. Rupp, Ashkan Mortezaei, et al.

Basic

- 1124** ■ **FEATURED BASIC SCIENCE ARTICLE.** Melanocortin 1 Receptor–Targeted α -Particle Therapy for Metastatic Uveal Melanoma
Narges K. Tafreshi, Christopher J. Tichacek, Darpan N. Pandya, Michael L. Doligalski, Mikalai M. Budzevich, HyunJoo Kil, Nikunj B. Bhatt, Nancy D. Kock, Jane L. Messina, Epifanio E. Ruiz, et al.

PULMONARY

Clinical

- 1134** Should Perfusion Scintigraphy Be Performed to Follow Patients with Acute Pulmonary Embolism? If So, When?
Letizia Marconi, Antonio Palla, Lucia Cestelli, Marco Lazzeretti, Laura Carrozzi, Massimo Pistolesi, and Henry Dirk Sostman

NEUROLOGY

Clinical

- 1140** ■ **FEATURED ARTICLE OF THE MONTH.** Imaging the Enzyme 11 β -Hydroxysteroid Dehydrogenase Type 1 with PET: Evaluation of the Novel Radiotracer ¹¹C-AS2471907 in Human Brain
Jean-Dominique Gallezot, Nabeel Nabulsi, Shannan Henry, Richard Pracitto, Beata Planeta, Jim Ropchan, Shu-Fei Lin, David Labaree, Michael Kapinos, Anupama Shirali, et al.

Translational

- 1147** ■ **FEATURED TRANSLATIONAL SCIENCE ARTICLE.** Evaluation of ¹¹C-LSN3172176 as a Novel PET Tracer for Imaging M₁ Muscarinic Acetylcholine Receptors in Nonhuman Primates
Nabeel B. Nabulsi, Daniel Holden, Ming-Qiang Zheng, Frederic Bois, Shu-Fei Lin, Soheila Najafzadeh, Hong Gao, Jim Ropchan, Teresa Lara-Jaime, David Labaree, et al.

- 1154** Preclinical Evaluation and Nonhuman Primate Receptor Occupancy Study of ¹⁸F-JNJ-64413739, a PET Radioligand for P2X7 Receptors
Hartmuth C. Kolb, Olivier Barret, Anindya Bhattacharya, Gang Chen, Cristian Constantinescu, Chaofeng Huang, Michael Letavic, Gilles Tamagnan, Chunfang A. Xia, Wei Zhang, et al.

RADIOCHEMISTRY

Basic

- 1160** One-Step ¹⁸F-Labeling and Preclinical Evaluation of Prostate-Specific Membrane Antigen Trifluoroborate Probes for Cancer Imaging
Hsiou-Ting Kuo, Mathieu L. Lepage, Kuo-Shyan Lin, Jinhe Pan, Zhengxing Zhang, Zhibo Liu, Alla Pryyma, Chengcheng Zhang, Helen Merckens, Aron Roxin, et al.
- 1167** Preclinical Evaluation of Benzazepine-Based PET Radioligands (R)- and (S)-¹¹C-Me-NB1 Reveals Distinct Enantiomeric Binding Patterns and a Tightrope Walk Between GluN2B- and σ_1 -Receptor–Targeted PET Imaging
Ahmed Haider, Adrienne Müller Herde, Stefanie D. Krämer, Jasmine Varisco, Claudia Keller, Katrin Frauenknecht, Yves P. Auberson, Louisa Temme, Dina Robaa, Wolfgang Sippl, et al.
- 1174** The Impact of Fc γ RI Binding on Immuno-PET
Delphine Vivier, Sai Kiran Sharma, Pierre Adumeau, Cindy Rodriguez, Kimberly Fung, and Brian M. Zeglis

PHYSICS AND INSTRUMENTATION

- 1183** Generation of PET Attenuation Map for Whole-Body Time-of-Flight ¹⁸F-FDG PET/MRI Using a Deep Neural Network Trained with Simultaneously Reconstructed Activity and Attenuation Maps
Donghwi Hwang, Seung Kwan Kang, Kyeong Yun Kim, Seongho Seo, Jin Chul Paeng, Dong Soo Lee, and Jae Sung Lee

DEPARTMENTS

6A This Month in JNM