

SNMMI NEWSLINE

11N Current Landscape of Radiopharmaceutical Therapies:

SNMMI Therapy Task Force Survey

Richard L. Wahl, Sukhjeet Ahuja, and Bonnie Clarke

17N SNMMI Leadership Update: A Year of Progress

Amid a Pandemic

Alan B. Packard

18N Newsbriefs

DISCUSSIONS WITH LEADERS

593 Challenges and Promise for Nuclear Medicine in Africa:

A Conversation Between Mike Sathekge and Johannes Czernin

Mike Sathekge and Johannes Czernin

THE STATE OF THE ART

596 Current and Emerging Clinical Applications of PSMA PET Diagnostic Imaging for Prostate Cancer

Andrea Farolfi, Letizia Calderoni, Francesco Mattana, Riccardo Mei, Sivi Telo, Stefano Fanti, and Paolo Castellucci

CONTINUING EDUCATION

605 Statistical Considerations in the Evaluation of Continuous Biomarkers

Mei-Yin C. Polley and James J. Dignam

HOT TOPICS

612 Relationship Between Tau and Cognition in the Evolution of Alzheimer's Disease: New Insights from Tau PET

Jeremy A. Tanner and Gil D. Rabinovici

FOCUS ON MOLECULAR IMAGING

614 What Is T+? A Gordian Knot of Tracers, Thresholds, and Topographies

Victor L. Villemagne, Brian J. Lopresti, Vincent Doré, Dana Tudorascu, Milos D. Ikonovic, Samantha Burnham, Davneet Minhas, Tharick A. Pascoal, N. Scott Mason, Beth Snitz, et al.

ONCOLOGY

Clinical

620 Sentinel Lymph Node Biopsy in Breast Cancer with ^{99m}Tc-Tilmanocept: A Multicenter Study on Real-Life Use of a Novel Tracer

Sergi Vidal-Sicart, María Eugenia Rioja, Andrea Prieto, Elena Goñi, Isabel Gómez, María Dolores Albala, Luis Lumberas, Luisa Fernanda León, José Ramón Gómez, and Francisco Campos

628 ¹⁸F-FLT PET/CT Adds Value to ¹⁸F-FDG PET/CT for Diagnosing Relapse After Definitive Radiotherapy in Patients with Lung Cancer: Results of a Prospective Clinical Trial

Tine Nøhr Christensen, Seppo W. Langer, Gitte Persson, Klaus Richter Larsen, Annika Loft, Annemarie Gjelstrup Amtoft, Anne Kiil Berthelsen, Helle Hjorth Johannesen, Sune Høgild Keller, Andreas Kjaer, et al.

636 Prognostic Value of 16 α -¹⁸F-Fluoro-17 β -Estradiol PET as a Predictor of Disease Outcome in Endometrial Cancer: A Prospective Study

Shizuka Yamada, Hideaki Tsuyoshi, Makoto Yamamoto, Tetsuya Tsujikawa, Yasushi Kiyono, Hidehiko Okazawa, and Yoshio Yoshida

643 ■ BRIEF COMMUNICATION. Clinical Utility of ¹⁸F-FDG PET/CT for Staging and Treatment Planning in Urachal Adenocarcinoma

Jeeban P. Das, Hebert A. Vargas, Soleen Ghafoor, Alvin C. Goh, and Gary A. Ulaner

Translational

648 Photoacoustic Molecular Imaging for the Identification of Lymph Node Metastasis in Head and Neck Cancer Using an Anti-EGFR Antibody-Dye Conjugate

Naoki Nishio, Nynke S. van den Berg, Brock A. Martin, Stan van Keulen, Shayan Fakurnejad, Eben L. Rosenthal, and Katheryne E. Wilson

Basic

656 ■ FEATURED ARTICLE OF THE MONTH. ⁸⁹Zr-Labeled Anti-PD-L1 Antibody PET Monitors Gemcitabine Therapy-Induced Modulation of Tumor PD-L1 Expression

Kyung-Ho Jung, Jin Won Park, Jin Hee Lee, Seung Hwan Moon, Young Seok Cho, and Kyung-Han Lee

665 ■ BRIEF COMMUNICATION. Repurposing ¹¹C-PS13 for PET Imaging of Cyclooxygenase-1 in Ovarian Cancer Xenograft Mouse Models

Amanda J. Boyle, Junchao Tong, Sami S. Zoghbi, Victor W. Pike, Robert B. Innis, and Neil Vasdev

THERANOSTICS

Clinical

669 First Clinical Results for PSMA-Targeted α -Therapy Using ²²⁵Ac-PSMA-I&T in Advanced-mCRPC Patients

Mathias Johannes Zacherl, Franz Josef Gildehaus, Lena Mittlmeier, Guido Böning, Astrid Gosewisch, Vera Wenter, Marcus Unterrainer, Nina Schmidt-Hegemann, Claus Belka, Alexander Kretschmer, et al.

675 ■ BRIEF COMMUNICATION. Identification of PCWG3 Target Populations Is More Accurate and Reproducible with PSMA PET Than with Conventional Imaging: A Multicenter Retrospective Study

Andrea Farolfi, Nader Hirmas, Andrei Gafita, Manuel Weber, Francesco Barbato, Axel Wetter, Riccardo Mei, Davide Pianori, Boris Hadaschik, Ken Herrmann, et al.

679 Safety, Biodistribution, and Radiation Dosimetry of ¹⁸F-rhPSMA-7.3 in Healthy Adult Volunteers

Tuula Tolvanen, Kari Kalliokoski, Simona Malaspina, Anna Kuisma, Salla Lahdenpohja, Ernst J. Postema, Matthew P. Miller, and Mika Scheinin

685 Effects of Repeated ¹³¹I-Meta-Iodobenzylguanidine Radiotherapy on Tumor Size and Tumor Metabolic Activity in Patients with Metastatic Neuroendocrine Tumors

Keiichiro Yoshinaga, Takashige Abe, Shozo Okamoto, Yuko Uchiyama, Osamu Manabe, Yoichi M. Ito, Naomi Tamura, Natsue Ito, Naho Yoshioka, Komei Washino, et al.

695 ■ BRIEF COMMUNICATION. Disparities in PET Imaging for Prostate Cancer at a Tertiary Academic Medical Center

Matthew D. Bucknor, Daphne Y. Lichtensztajn, Tracy K. Lin, Hala T. Borno, Scarlett L. Gomez, and Thomas A. Hope

AI/ADVANCED IMAGE ANALYSIS

Clinical

700 Repeatability of Radiomic Features of Brown Adipose Tissue
Aria Nazeri, John P. Crandall, Tyler J. Fraum, and Richard L. Wahl

707 Repeatability of ¹⁸F-FDG PET Radiomic Features in Cervical Cancer

John P. Crandall, Tyler J. Fraum, Min Young Lee, Linda Jiang, Perry Grigsby, and Richard L. Wahl

CARDIOVASCULAR

Clinical

716 ■ FEATURED CLINICAL INVESTIGATION ARTICLE. Absolute Quantitation of Cardiac ^{99m}Tc-Pyrophosphate Using Cadmium-Zinc-Telluride-Based SPECT/CT

Sharmila Dorbala, Mi-Ae Park, Sarah Cuddy, Vasvi Singh, Kyle Sullivan, Sirwoo Kim, Rodney H. Falk, Viviany R. Taqueti, Hicham Skali, Ron Blankstein, et al.

MOLECULAR IMAGING

Basic

723 The Synthesis and Structural Requirements for Measuring Glucocorticoid Receptor Expression In Vivo with (±)-¹¹C-YJH08 PET

Yangjie Huang, Ning Zhao, Yung-hua Wang, Charles Truillet, Junnian Wei, Matthew F.L. Parker, Joseph E. Blecha, Christopher R. Drake, Henry F. Van Brocklin, Diego Garrido-Ruiz, et al.

PHYSICS AND INSTRUMENTATION

Translational

732 Measurement of PET Quantitative Bias In Vivo

Martin A. Lodge, Wojciech Lesniak, Michael A. Gorin, Kenneth J. Pienta, Steven P. Rowe, and Martin G. Pomper

Basic

738 Total-Body Quantitative Parametric Imaging of Early Kinetics of ¹⁸F-FDG

Tao Feng, Yizhang Zhao, Hongcheng Shi, Hongdi Li, Xuezhong Zhang, Guobao Wang, Patricia M. Price, Ramsey D. Badawi, Simon R. Cherry, and Terry Jones

LETTERS TO THE EDITOR

745 From Mice to Humans: The Exocrine Pancreas Does Not Matter in Human GLP-1 Receptor Imaging

Martin Gotthardt, Lieke Joosten, Theodorus J.P. Jansen, Maarten Brom, Marti Boss, and Stefanie M.A. Willekens

745 Reply: From Mice to Humans: The Exocrine Pancreas Does Not Matter in Human GLP-1 Receptor Imaging

Greg M. Thurber

747 Disparities in PET Imaging of Prostate Cancer at a Tertiary Academic Medical Center

Andrei Iagaru and Benjamin Franc

748 Reply: Disparities in PET Imaging of Prostate Cancer at a Tertiary Academic Medical Center

Matthew D. Bucknor and Thomas A. Hope

DEPARTMENTS

10A This Month in JNM