

SNMMI NEWSLINE

- 13N** FDA Approves Pluvicto/Locametz for Metastatic Castration-Resistant Prostate Cancer
- 14N** Updates to Appropriate Use Criteria for PSMA PET
Thomas A. Hope and Hossein Jadvar
- 15N** ASNC/SNMMI Radionuclide Authorized User Training Course
- 16N** SNMMI Leadership Update: SNMMI's Role in the Nuclear Medicine Renaissance
Richard L. Wahl
- 18N** Newsbriefs
- 20N** From the Literature

DISCUSSION WITH LEADERS

- 637** Translational Cancer Research Priorities and the Role of Molecular Imaging: A Conversation Between Chi Van Dang, Elizabeth Jaffee, and David Mankoff
Chi Van Dang, Elizabeth Jaffee, and David Mankoff

THE STATE OF THE ART

- 640** A Guideline for Clinicians Performing Clinical Studies with Fluorescence Imaging
Wido Heeman, Jasper Vonk, Vasilis Ntziachristos, Brian W. Pogue, Rudi A.J.O. Dierckx, Schelto Kruijff, and Gooitzen M. van Dam

HOT TOPICS

- 646** Total-Body PET: Will It Change Science and Practice?
Austin R. Pantel, David A. Mankoff, and Joel S. Karp

CONTINUING EDUCATION

- 649** Radiotracers to Address Unmet Clinical Needs in Cardiovascular Imaging, Part 1: Technical Considerations and Perfusion and Neuronal Imaging
John C. Stendahl, Jennifer M. Kwan, Darko Pucar, and Mehran M. Sadeghi

FOCUS ON MOLECULAR IMAGING

- 659** Signaling Pathways That Drive ¹⁸F-FDG Accumulation in Cancer
Jessica R. Salas and Peter M. Clark

ONCOLOGY

Clinical

- 664** ¹¹C-Methionine PET for Identification of Pediatric High-Grade Glioma Recurrence
Asim K. Bag, Melissa N. Wing, Noah D. Sabin, Scott N. Hwang, Gregory T. Armstrong, Yuanyuan Han, Yimei Li, Scott E. Snyder, Giles W. Robinson, Ibrahim Qaddoumi, et al.

672 Epidermal Growth Factor Receptor–Targeted Fluorescence Molecular Imaging for Postoperative Lymph Node Assessment in Patients with Oral Cancer

Jasper Vonk, Jaron G. de Wit, Floris J. Voskuil, Yang Hang Tang, Wouter T.R. Hooghiemstra, Matthijs D. Linssen, Evert van den Broek, Jan J. Doff, Sebastiaan A.H.J. de Visscher, Kees-Pieter Schepman, et al.

679 ⁹⁰Y Radioembolization in the Treatment of Neuroendocrine Neoplasms: Results of an International Multicenter Retrospective Study

Benedikt M. Schaarschmidt, Moritz Wildgruber, Roman Kloeckner, James Nie, Verena Steinle, Arthur J.A.T. Braat, Fabian Lohoefer, Hyun S. Kim, Harald Lahner, Manuel Weber, et al.

686 PD-L1 PET/CT Imaging with Radiolabeled Durvalumab in Patients with Advanced-Stage Non–Small Cell Lung Cancer

Jasper Smit, Frank J. Borm, Anna-Larissa N. Niemeijer, Marc C. Huisman, Otto S. Hoekstra, Ronald Boellaard, Daniela E. Oprea-Lager, Danielle J. Vugts, Guus A.M.S. van Dongen, Berlinda J. de Wit-van der Veen, et al.

694 Biodistribution of ¹⁸F-FES in Patients with Metastatic ER+ Breast Cancer Undergoing Treatment with Rintodestrant (G1T48), a Novel Selective ER Degradar

Ramsha Iqbal, Maqsood Yaqub, Daniela E. Oprea-Lager, Yeukman Liu, Anne Marije Luik, Andy P. Beelen, Robert C. Schuit, Albert D. Windhorst, Ronald Boellaard, and Catharina W. Menke-van der Houven van Oordt

700 ■ INVITED PERSPECTIVE. ER Imaging for Estrogen-Related Tumors Is Bothersome but Useful

Hidehiko Okazawa

702 ¹⁸F-4FMFES and ¹⁸F-FDG PET/CT in Estrogen Receptor–Positive Endometrial Carcinomas: Preliminary Report

Michel Paquette, Esteban Espinosa-Bentancourt, Éric Lavallée, Serge Phoenix, Korine Lapointe-Milot, Paul Bessette, Brigitte Guérin, and Éric E. Turcotte

708 ¹⁸F-FLT PET/CT as a Prognostic Imaging Biomarker of Disease-Specific Survival in Patients with Primary Soft-Tissue Sarcoma

Joseph G. Crompton, Wesley R. Armstrong, Mark A. Eckardt, Ameen Seyedroudbari, William D. Tap, Sarah M. Dry, Evan R. Abt, Jeremie Calais, Ken Herrmann, Johannes Czernin, et al.

713 Detection of Additional Primary Neoplasms on ¹⁸F-Fluciclovine PET/CT in Patients with Primary Prostate Cancer

Ashwin Singh Parihar, Lisa R. Schmidt, Farrokh Dehdashti, and Richard L. Wahl

720 ■ FEATURED ARTICLE OF THE MONTH. CD8-Targeted PET Imaging of Tumor-Infiltrating T Cells in Patients with Cancer: A Phase I First-in-Humans Study of ⁸⁹Zr-Df-IAB22M2C, a Radiolabeled Anti-CD8 Minibody

Michael D. Farwell, Raymond F. Gamache, Hasan Babazada, Matthew D. Hellmann, James J. Harding, Ron Korn, Alessandro Mascioni, William Le, Ian Wilson, Michael S. Gordon, et al.

THERANOSTICS

Clinical

727 Initial Clinical Experience with ⁹⁰Y-FAPI-46 Radioligand Therapy for Advanced-Stage Solid Tumors: A Case Series of 9 Patients

Justin Ferdinandus, Pedro Fragoso Costa, Lukas Kessler, Manuel Weber, Nader Hirmas, Karina Kostbade, Sebastian Bauer, Martin Schuler, Marit Ahrens, Hans-Ulrich Schildhaus, et al.

735 A Comparison of ¹⁸F-DCFPyL, ¹⁸F-NaF, and ¹⁸F-FDG PET/CT in a Prospective Cohort of Men with Metastatic Prostate Cancer

Aloÿse Fourquet, Adrian Rosenberg, Esther Mena, Joanna J. Shih, Baris Turkbey, Maxime Blain, Ethan Bergvall, Frank Lin, Stephen Adler, Ilhan Lim, et al.

742 ■ BRIEF COMMUNICATION. The Influence of Specific Activity on the Biodistribution of ¹⁸F-rhPSMA-7.3: A Retrospective Analysis of Clinical PET Data

Thomas Langbein, Alexander Wurzer, Andrei Gafita, Thomas Robertson, Hui Wang, Ayça Arçay, Michael Herz, Hans-Juergen Wester, Wolfgang A. Weber, and Matthias Eiber

746 Repeatability of ⁶⁸Ga-PSMA-HBED-CC PET/CT-Derived Total Molecular Tumor Volume

Robert Seifert, Patrick Sandach, David Kersting, Wolfgang P. Fendler, Boris Hadaschik, Ken Herrmann, John J. Sunderland, and Janet H. Pollard

754 Biokinetics and Dosimetry of ¹⁷⁷Lu-Pentixather

Heribert Hänscheid, Andreas Schirbel, Philipp Hartrampf, Sabrina Kraus, Rudolf A. Werner, Hermann Einsele, Hans-Jürgen Wester, Michael Lassmann, Martin Kortüm, and Andreas K. Buck

Translational

761 Modeling Early Radiation DNA Damage Occurring During ¹⁷⁷Lu-DOTATATE Radionuclide Therapy

Giulia Tamborino, Yann Perrot, Marijke De Saint-Hubert, Lara Struelens, Julie Nonnekens, Marion De Jong, Mark W. Konijnenberg, and Carmen Villagrana

CARDIOVASCULAR

Clinical

770 Comparison of Exogenous Ketone Administration Versus Dietary Carbohydrate Restriction on Myocardial Glucose Suppression: A Crossover Clinical Trial

Senthil Selvaraj, Kenneth B. Margulies, Supriya Dugyala, Erin Schubert, Ann Tierney, Zoltan Arany, Daniel A. Pryma, Svati H. Shah, J. Eduardo Rame, Daniel P. Kelly, et al.

NEUROLOGY

Clinical

777 Brain Stem Glucose Hypermetabolism in Amyotrophic Lateral Sclerosis/Frontotemporal Dementia and Shortened Survival: An ¹⁸F-FDG PET/MRI Study

Matteo Zanovello, Gianni Sorarù, Cristina Campi, Mariagiulia Anglani, Alessandro Spimpolo, Sara Berti, Cinzia Bussè, Stefano Mozzetta, Annachiara Cagnin, and Diego Cecchin

ENDOCRINOLOGY

Clinical

785 ¹⁸F-Fluorocholine PET/CT Is More Sensitive Than ¹¹C-Methionine PET/CT for the Localization of Hyperfunctioning Parathyroid Tissue in Primary Hyperparathyroidism

Céline Mathey, Caroline Keyzer, Didier Blocklet, Gaetan Van Simaey, Nicola Trotta, Simon Lacroix, Bernard Corvilain, Serge Goldman, and Rodrigo Moreno-Reyes

792 ■ INVITED PERSPECTIVE. Glucagonlike Peptide-1 Receptor Imaging in Individuals with Type 2 Diabetes

Hsiaoju Lee and Lisa J. States

794 Glucagonlike Peptide-1 Receptor Imaging in Individuals with Type 2 Diabetes

Olof Eriksson, Irina Velikyan, Torsten Haack, Martin Bossart, Iina Laitinen, Philip J. Larsen, Jan Erik Berglund, Gunnar Antoni, Lars Johansson, Stefan Pierrou, et al.

LETTERS TO THE EDITOR

801 ¹⁸F-FDOPA PET for the Noninvasive Prediction of Glioma Molecular Parameters: A Radiomics Study

Karl-Josef Langen and Felix M. Mottaghy

801 Reply: ¹⁸F-FDOPA PET for the Noninvasive Prediction of Glioma Molecular Parameters: A Radiomics Study

Timotheé Zaragori and Antoine Verger

803 Single-Time-Point Tumor Dosimetry Assuming Normal Distribution of Tumor Kinetics

Yung Hsiang Kao

804 Reply: Single-Time-Point Tumor Dosimetry Assuming Normal Distribution of Tumor Kinetics

George Sgouros, Yuni K. Dewaraja, Freddy Escorcía, Stephen A. Graves, Thomas A. Hope, Amir Iravani, Neeta Pandit-Taskar, Babak Saboury, Sara St. James, and Pat B. Zanzonico

DEPARTMENTS

10A This Month in JNM