2013 SNMMI Highlights Lecture: Oncology
Richard L. Wahl

Commentary: Prescriber Beware: It Is Ill Advised to Administer Compounded Sincalide

Guidance for Reporting in Preclinical Imaging
Todd Peterson

SNMMI Leadership Update: Expanded Programs, Sound Finances for SNMMI
Virginia Pappas

Acoustic and Photoacoustic Molecular Imaging of Cancer
Katheryne E. Wilson, Tzu Yin Wang, and Jürgen K. Willmann

18F-FDG PET/CT for Early Prediction of Response to Neoadjuvant Lapatinib, Trastuzumab, and Their Combination in HER2-Positive Breast Cancer: Results from Neo-ALTTO
Laura M. Kenny

Long-Term Hematotoxicity After Peptide Receptor Radionuclide Therapy with 177Lu-Octreotate
Amir Sabet, Khaled Ezziddin, Ulrich-Frank Pape, Hojjat Ahmadzadehfar, Karin Mayer, Thorsten Püppel, Stefan Gubhike, Hans-Jürgen Biersack, and Samer Ezziddin

18F-FDG PET/CT for Early Prediction of Response to Neoadjuvant Lapatinib, Trastuzumab, and Their Combination in HER2-Positive Breast Cancer: Results from Neo-ALTTO
Geraldine Gebhart, Cristina Gámez, Eileen Holmes, Javier Robles, Camilo Garcia, Montserrat Cortés, Evandro de Azambuja, Karine Fauria, Veerle Van Dooren, Gursel Aktan, Maria Antonia Coccia-Portugal, Sung-Bae Kim, Peter Vuylstee, Hervé Cure, Holger Edtmann, José Baselga, Martine Piccart, Patrick Flamen, and Serena Di Cosimo

64Cu-DOTA-Trastuzumab PET Imaging in Patients with HER2-Positive Breast Cancer
Kenji Tamura, Hiroyuki Kuribara, Kana Yonemori, Hitoshi Tsuda, Junko Suzuki, Yuzuru Kono, Naokatsu Honda, Makoto Kodaira, Harukaze Yamamoto, Mayu Yunokawa, Chikako Shimizu, Koki Hasegawa, Youkou Kanayama, Satoshi Nozaki, Takayuki Kinoshita, Yasuhiro Wada, Shusaku Tazawa, Kazuhiro Takahashi, Yasuyoshi Watanabe, and Yasuhiro Fujiwara

Applying PET to Broaden the Diagnostic Utility of the Clinically Validated CA19.9 Serum Biomarker for Oncology
Nerissa Therese Viola-Villegas, Samuel L. Rice, Sean Carlin, Xiaohong Wu, Michael J. Evans, Kuntal K. Sevak, Marija Drobnjak, Govind Ragupathi, Ritsuko Sawada, Wolfgang W. Scholz, Philip O. Livingston, and Jason S. Lewis

Imaging VCAM-1 as an Indicator of Treatment Efficacy in Metastatic Ovarian Cancer
Jennifer M. Scalici, Stephanie Thomas, Christine Harrer, Timothy A. Raines, Joanna Curran, Kristen A. Atkins, Mark R. Conaway, Linda Duska, Kimberly A. Kelly, and Jill K. Slack-Davis

Radioembolization for Treatment of Salvage Patients with Colorectal Cancer Liver Metastases: A Systematic Review
Charlotte E.N.M. Rosenbaum, Helena M. Verkooijen, Mannix G.E.H. Lam, Maarten L.J. Smits, Miriam Koopman, Tom van Seeters, Malou A. Vermoulen, and Maurice A.J. van den Bosch

Quantification of Human and Rodent Brown Adipose Tissue Function Using 99mTc-Methoxyisobutylisonitrile SPECT/CT and 18F-FDG PET/CT
Aaron M. Cypess, Ashley N. Doyle, Christina A. Sass, Tian Lian Huang, Peter M. Mowschenson, Harold N. Rosen, Yu-Hua Tseng, Edwin L. Palmer III, and Gerald M. Kolodny

Evaluation of the Biodistribution of 11C-Methionine in Children and Young Adults
Sebastian M. Harris, James C. Davis, Scott E. Snyder, Elizabeth R. Butch, Amy L. Vävere, Mehmet Kocak, and Barry L. Shulkin

Amyloid-β Load Predicts Medial Temporal Lobe Dysfunction in Alzheimer Dementia
Lars Frings, Timo S. Spehl, Wolfgang A. Weber, Michael Hall, and Philipp T. Meyer

Quantification of the Specific Translocator Protein Signal of 18F-PBR111 in Healthy Humans: A Genetic Polymorphism Effect on In Vivo Binding
Qi Guo, Alessandro Colasanti, David R. Owen, Mayca Onega, Aruloly Kamalakaran, Idriss Bennacef, Paul M. Matthews, Eugenii A. Rabiner, Federico E. Turkheimer, and Roger N. Gunn

The Role of Radionuclide Imaging in Epilepsy, Part 2: Epilepsy Syndromes
Ajay Kumar and Harry T. Chugani
1931 Heterogeneity in Intratumor Correlations of 18F-FDG, 18F-FLT, and 61Cu-ATSM PET in Canine Sinonasal Tumors
Tyler J. Bradshaw, Stephen R. Bowen, Ngoneh Jallow, Lisa J. Forrest, and Robert Jeraj

1938 Longitudinal Evaluation of Left Ventricular Substrate Metabolism, Perfusion, and Dysfunction in the Spontaneously Hypertensive Rat Model of Hypertrophy Using Small-Animal PET/CT Imaging
Andrew M. Hernandez, Jennifer S. Huber, Stephanie T. Murphy, Mustafa Janabi, Gengsheng L. Zeng, Kathleen M. Brennan, James P. O’Neil, Yoangho Seo, and Grant T. Gullberg

1946 Mapping Changes in Mouse Brain Metabolism with PET/CT
Andy Welch, Marco Mingarelli, Gernot Riedel, and Bettina Platt

1954 N-Acetylcysteine– and MK-801–Induced Changes in Glutamate Levels Do Not Affect In Vivo Binding of Metabotropic Glutamate 5 Receptor Radioligand [11C-ABP688 in Rat Brain
Tine Wyckhuys, Jeroen Verhaeghe, Leonie Wyffels, Xavier Langlois, Mark Schmidt, Sigrid Stroobants, and Steven Staelens

1962 Awake Nonhuman Primate Brain PET Imaging with Minimal Head Restraint: Evaluation of GABA_A–Benzodiazepine Binding with [11C-Flumazenil in Awake and Anesthetized Animals
Christine M. Sandiego, Xiao Jin, Tim Mulnix, Krista Fowles, David Labaree, Jim Ropchan, Yiyun Huang, Kelly Cosgrove, Stacy A. Castner, Graham V. Williams, Lisa Wells, Eugenii A. Rabiner, and Richard E. Carson

1969 18F-FDG PET Study Reveals Brain Functional Changes During Attention in Rats
Wang Xi, Danjing Su, Binbin Nie, Yanqin Yu, Baoci Shan, Qiaochun Chen, Mei Tian, and Hong Zhang

1974 Nonpolymeric Surface–Coated Iron Oxide Nanoparticles for In Vivo Molecular Imaging: Biodegradation, Biocompatibility, and Multiplatform
Chang-Moon Lee, Se-Jin Cheong, Eun-Mi Kim, Seok Tae Lim, Yong Yeon Jeong, Myung-Hee Sohn, and Hwan-Jeong Jeong

1981 Three Methods for 18F Labeling of the HER2-Binding Affibody Molecule ZHER2:2891 Including Preclinical Assessment
Matthias Glaser, Peter Iveson, Susan Hoppmann, Bûrd Indrevoll, Anthony Wilson, Joseph Arukwe, Antonios Danakas, Rajiv Bhalla, and Duncan Hiscock

1989 Diels–Alder Reaction for Tumor Pretargeting: In Vivo Chemistry Can Boost Tumor Radiation Dose Compared with Directly Labeled Antibody
Raffaella Rossini, Tilman Lüppchen, Sandra M. van den Bosch, Richard Laforest, and Marc S. Robillard

1996 Synthetic Lipid Nanoparticles Targeting Steroid Organs
Juliette Mérian, Raphaël Boisgard, Xavier Declèves, Benoi Thezé, Isabelle Texier, and Bertrand Tavitian

SPECIAL CONTRIBUTION

2004 The SNMMI and EANM Practice Guideline for Small-Bowel and Colon Transit 1.0
Alan H. Maurer, Michael Camilleri, Kevin Donohoe, Linda C. Knight, Jan L. Madsen, Giuliano Mariani, Henry P. Parkman, and Janice Van Dolsen

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UPCOMING EDUCATION ARTICLE

Radiotracer Imaging of Peripheral Vascular Disease
Mitchel R. Stacy, Wunan Zhou, and Albert J. Sinusas

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