

SNMMI NEWSLINE

- 9N** 2013 SNMMI Highlights Lecture: Cardiovascular Sciences
Frank M. Bengel
- 19N** 2013 SNMMI Highlights Lecture: General Clinical Nuclear Medicine: Clinical SPECT/CT—Time for a New Standard of Care
Alan H. Maurer
- 28N** SNMMI Leadership Update: SNMMI Mid-Winter Meeting Heads to Palm Springs
Virginia Pappas

FOCUS ON MOLECULAR IMAGING

- 1685** Molecular Imaging of Prostate Cancer with PET
Hossein Jadvar

CLINICAL INVESTIGATIONS

- 1689** Comparison of Response Evaluation in Patients with Gastroenteropancreatic and Thoracic Neuroendocrine Tumors After Treatment with [¹⁷⁷Lu-DOTA⁰, Tyr³]Octreotate
Esther I. van Vliet, Eric P. Krenning, Jaap J. Teunissen, Hendrik Bergsma, Boen L. Kam, and Dik J. Kwekkeboom
- 1697** Feasibility and Predictability of Perioperative PET and Estrogen Receptor Ligand in Patients with Invasive Breast Cancer
Mary L. Gemignani, Sujata Patil, Venkatraman E. Seshan, Michelle Sampson, John L. Humm, Jason S. Lewis, Edi Brogi, Steven M. Larson, Monica Morrow, and Neeta Pandit-Taskar
- 1703** Textural Features of Pretreatment ¹⁸F-FDG PET/CT Images: Prognostic Significance in Patients with Advanced T-Stage Oropharyngeal Squamous Cell Carcinoma
Nai-Ming Cheng, Yu-Hua Dean Fang, Joseph Tung-Chieh Chang, Chung-Guei Huang, Din-Li Tsan, Shu-Hang Ng, Hung-Ming Wang, Chien-Yu Lin, Chun-Ta Liao, and Tzu-Chen Yen
- 1710** ¹⁸F-FDG PET and Combined ¹⁸F-FDG-Contrast CT Parameters as Predictors of Tumor Control for Hepatocellular Carcinoma After Stereotactic Ablative Radiotherapy
Wen-Yen Huang, Chia-Hung Kao, Wen-Sheng Huang, Chang-Ming Chen, Li-Ping Chang, Meei-Shyuan Lee, Hsing-Lung Chao, Chuang-Hsin Chiu, Cheng-Hsiang Lo, and Yee-Min Jen
- 1717** ^{99m}Tc-Sestamibi Scintigraphy to Monitor the Long-Term Efficacy of Enzyme Replacement Therapy on Bone Marrow Infiltration in Patients with Gaucher Disease
Paola A. Erba, Fabrizio Minichilli, Fiorina Giona, Silvia Linari, James Dambrosia, Anna Pierini, Mirella Filocamo, Maja Di Rocco, Ferdinando Buffoni, Roscoe O. Brady, and Giuliano Mariani

- 1725** Initial Metabolic Tumor Volume Measured by ¹⁸F-FDG PET/CT Can Predict the Outcome of Osteosarcoma of the Extremities

Byung Hyun Byun, Chang-Bae Kong, Jihyun Park, Youngseok Seo, Ilhan Lim, Chang Woon Choi, Wan Hyeong Cho, Dae-Geun Jeon, Jae-Soo Koh, Soo-Yong Lee, and Sang Moo Lim

- 1733** Differential Effects of Nonselective Versus Selective β -Blockers on Cardiac Sympathetic Activity and Hemostasis in Patients with Heart Failure

Olav R. de Peuter, Hein J. Verberne, Wouter E. Kok, Bas van den Bogaard, Marianna C. Schaap, Rienk Nieuwland, Joost C.M. Meijers, G. Aernout Somsen, Ad Bakx, and Pieter W. Kamphuisen

- 1740** ¹⁸F-FDG Uptake Assessed by PET/CT in Abdominal Aortic Aneurysms Is Associated with Cellular and Molecular Alterations Prefacing Wall Deterioration and Rupture

Audrey Courtois, Betty V. Nussgens, Roland Hustinx, Gauthier Namur, Pierre Gomez, Joan Somja, Jean-Olivier Defraigne, Philippe Delvenne, Jean-Baptiste Michel, Alain C. Colige, and Natzi Sakalihan

- 1748** Detection of Obstructive Coronary Artery Disease Using Regadenoson Stress and ⁸²Rb PET/CT Myocardial Perfusion Imaging

Edward Hsiao, Bilal Ali, Ron Blankstein, Hicham Skali, Towhid Ali, John Bruyere, Jr., Raymond Y. Kwong, Marcelo F. Di Carli, and Sharmila Dorbala

- 1755** Comparative Biodistribution and Radiation Dosimetry of ⁶⁸Ga-DOTATOC and ⁶⁸Ga-DOTATATE in Patients with Neuroendocrine Tumors

Mattias Sandström, Irina Velikyan, Ulrike Garske-Román, Jens Sörensen, Barbro Eriksson, Dan Granberg, Hans Lundqvist, Anders Sundin, and Mark Lubberink

- 1760** Kinetic Modeling, Test-Retest, and Dosimetry of ¹²³I-MNI-420 in Humans

Adriana Alexandre S. Tavares, Jeffery C. Batis, Caroline Papin, Danna Jennings, David Alagille, David S. Russell, Christine Vala, Hsiaoju Lee, Ronald M. Baldwin, I. George Zubal, Kenneth L. Marek, John P. Seibyl, Olivier Barret, and Gilles D. Tamagnan

- 1768** MR-Based Attenuation Correction Methods for Improved PET Quantification in Lesions Within Bone and Susceptibility Artifact Regions

Ilja Bezrukov, Holger Schmidt, Frédéric Mantlik, Nina Schwenger, Cornelia Brendle, Bernhard Schölkopf, and Bernd J. Pichler

CONTINUING EDUCATION

- 1775** The Role of Radionuclide Imaging in Epilepsy, Part 1: Sporadic Temporal and Extratemporal Lobe Epilepsy

Ajay Kumar and Harry T. Chugani

BASIC SCIENCE INVESTIGATIONS

- 1782 In Vivo PET/CT in a Human Glioblastoma Chicken Chorioallantoic Membrane Model: A New Tool for Oncology and Radiotracer Development**
Geoff Warnock, Andrei Turtoi, Arnaud Blomme, Florian Bretin, Mohamed Ali Bahri, Christian Lemaire, Lionel Cyrille Libert, Alain E.J.J. Seret, André Luxen, Vincenzo Castronovo, and Alain R.E.G. Plenevaux
- 1789 PulmoBind, an Adrenomedullin-Based Molecular Lung Imaging Tool**
Myriam Létourneau, Quang Trinh Nguyen, François Harel, Alain Fournier, and Jocelyn Dupuis
- 1797 ^{99m}Tc Radiotracers Based on Human GRP(18-27): Synthesis and Comparative Evaluation**
Panteleimon J. Marsouvanidis, Theodosia Maina, Werner Sallegger, Eric P. Krenning, Marion de Jong, and Berthold A. Nock
- 1804 Metabolism of Epidermal Growth Factor Receptor Targeting Probe [¹¹C]PD153035: Impact on Biodistribution and Tumor Uptake in Rats**
Erik Samén, Fabian Arnberg, Li Lu, Maria Hägg Olofsson, Tetyana Tegnebratt, Jan-Olov Thorell, Staffan Holmin, and Sharon Stone-Elander
- 1812 A PET-Compatible Tissue Bioreactor for Research, Discovery, and Validation of Imaging Biomarkers and Radiopharmaceuticals: System Design and Proof-of-Concept Studies**
Timothy D. Whitehead, Samuel T. Nemanich, Carmen Dence, and Koresh I. Shoghi
- 1820 Fast Metabolic Response to Drug Intervention Through Analysis on a Miniaturized, Highly Integrated Molecular Imaging System**
Jun Wang, Kiwook Hwang, Daniel Braas, Alex Dooraghi, David Nathanson, Dean O. Campbell, Yuchao Gu, Troy Sandberg, Paul Mischel, Caius Radu, Arion F. Chatziioannou, Michael E. Phelps, Heather Christofk, and James R. Heath

- 1825 Performance Evaluation of the Small-Animal nanoScan PET/MRI System**
Kálmán Nagy, Miklós Tóth, Péter Major, Gergely Patay, Győző Egri, Jenny Häggkvist, Andrea Varrone, Lars Farde, Christer Halldin, and Balázs Gulyás
- 1833 Imaging Capabilities of the Inveon SPECT System Using Single- and Multipinhole Collimators**
Frederic Boisson, David Zahra, Arvind Parmar, Marie-Claude Gregoire, Steven R. Meikle, Hasar Hamse, and Anthonin Reilhac
- 1841 High-Resolution Radioluminescence Microscopy of ¹⁸F-FDG Uptake by Reconstructing the β -Ionization Track**
Guillem Pratx, Kai Chen, Conroy Sun, Marian Axente, Laura Sasportas, Colin Carpenter, and Lei Xing

DEPARTMENTS

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UPCOMING EDUCATION ARTICLE

The Role of Radionuclide Imaging in Epilepsy, Part 2: Epilepsy Syndromes

Ajay Kumar and Harry T. Chugani

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