

SNMMI NEWSLINE

- 9N** NIH Focuses on the Brain
- 10N** GE β -Amyloid Agent Approved
- 11N** Cassen Postdoctoral Mentoring Award Announced
- 12N** In Memoriam: Ajit Kumar Padhy, MD, 1951–2013
Mathew L. Thakur and Suresh C. Srivastava
- 13N** SNMMI Leadership Update: A Celebration of 60 Years
Gary Dillehay
- 14N** Newsbriefs
- 16N** From the Literature

INVITED PERSPECTIVE

- 2021** ^{18}F -FDG Imaging of Carotid Arteries for Identifying the Vulnerable Patient: Are We at the Beginning of the End?
Balaji Tamarappoo and Rory Hachamovitch

CLINICAL INVESTIGATIONS

- 2024** Intended Versus Inferred Care After PET Performed for Initial Staging in the National Oncologic PET Registry
Bruce E. Hillner, Anna N. Tosteson, Tor D. Tosteson, Qianfei Wang, Yunjie Song, Lucy G. Hanna, and Barry A. Siegel
- 2032** Long-Term Outcome and Toxicity After Dose-Intensified Treatment with ^{131}I -MIBG for Advanced Metastatic Carcinoid Tumors
Samer Ezziddin, Amir Sabet, Timur Logvinski, Khaled Alkawaldehy, Charlotte J. Yong-Hing, Hojjat Ahmadzadehfahar, Frank Grünwald, and Hans-Jürgen Biersack
- 2039** Addition of ^{18}F -FDG PET/CT to Clinical Assessment Predicts Overall Survival in HNSCC: A Retrospective Analysis with Follow-up for 12 Years
Vasavi Paidpally, Abdel K. Tahari, Stella Lam, Krishna Alluri, Shanthi Marur, Wayne Koch, Richard L. Wahl, and Rathan M. Subramaniam
- 2046** Role of O-(2- ^{18}F -Fluoroethyl)-L-Tyrosine PET as a Diagnostic Tool for Detection of Malignant Progression in Patients with Low-Grade Glioma
Norbert Galldiks, Gabriele Stoffels, Maximilian I. Ruge, Marion Rapp, Michael Sabel, Guido Reifenberger, Zuhair Erdem, Nadim J. Shah, Gereon R. Fink, Heinz H. Coenen, and Karl-Josef Langen

- 2055** Prognostic Utility of ^{90}Y Radioembolization Dosimetry Based on Fusion $^{99\text{m}}\text{Tc}$ -Macroaggregated Albumin- $^{99\text{m}}\text{Tc}$ -Sulfur Colloid SPECT
Marnix G.E.H. Lam, Michael L. Goris, Andrei H. Iagaru, Erik S. Mittra, John D. Louie, and Daniel Y. Sze
- 2062** Early PET/CT Scan Is More Effective Than RECIST in Predicting Outcome of Patients with Liver Metastases from Colorectal Cancer Treated with Preoperative Chemotherapy Plus Bevacizumab
Secondo Lastoria, Maria Carmela Piccirillo, Corradina Caracò, Guglielmo Nasti, Luigi Aloj, Cecilia Arrichiello, Elisabetta de Lutio di Castelguidone, Fabiana Tatangelo, Alessandro Ottaiano, Rosario Vincenzo Iaffaioli, Francesco Izzo, Giovanni Romano, Pasqualina Giordano, Simona Signoriello, Ciro Gallo, and Francesco Perrone
- 2070** Relation of Carotid Artery ^{18}F -FDG Uptake to C-Reactive Protein and Framingham Risk Score in a Large Cohort of Asymptomatic Adults
Tae Soo Noh, Seung-Hwan Moon, Young Seok Cho, Sun Pyo Hong, Eun Jeong Lee, Joon Young Choi, Byung-Tae Kim, and Kyung-Han Lee
- 2077** Attenuation Correction Maps for SPECT Myocardial Perfusion Imaging from Contrast-Enhanced Coronary CT Angiography: Gemstone Spectral Imaging with Single-Source Dual Energy and Material Decomposition
Tobias A. Fuchs, Bert-Ram Sah, Julia Stehli, Sacha Bull, Svetlana Dougoud, Martin W. Huellner, Oliver Gaemperli, and Philipp A. Kaufmann
- 2081** ^{123}I -Iodobenzamide SPECT Is Not an Independent Predictor of Dopaminergic Responsiveness in Patients with Suspected Atypical Parkinsonian Syndromes
Sabine Hellwig, Annabelle Kreft, Florian Amtage, Oliver Tüscher, Oliver H. Winz, Bernhard Hellwig, Cornelius Weiller, Wolfgang A. Weber, Werner Vach, and Philipp T. Meyer
- 2087** Biodistribution and Radiation Dosimetry of ^{18}F -CP-18, a Potential Apoptosis Imaging Agent, as Determined from PET/CT Scans in Healthy Volunteers
Mohan Doss, Hartmuth C. Kolb, Joseph C. Walsh, Vani Mocharla, Hong Fan, Ashok Chaudhary, Zhihong Zhu, R. Katherine Alpaugh, Miriam N. Lango, and Jian Q. Yu
- 2093** In Vivo Dosimetry Based on SPECT and MR Imaging of ^{166}Ho -Microspheres for Treatment of Liver Malignancies
Maarten L.J. Smits, Mattijs Elschot, Maurice A.A.J. van den Bosch, Gerrit H. van de Maat, Alfred D. van het Schip, Bernard A. Zonnenberg, Peter R. Seevinck, Helena M. Verkooijen, Chris J. Bakker, Hugo W.A.M. de Jong, Marnix G.E.H. Lam, and Johannes F.W. Nijsen
- 2101** Radiation Dose of the P-Glycoprotein Tracer ^{11}C -Laniquidar
Andrey Postnov, Femke E. Froklage, Arthur van Lingen, Jaap C. Reijneveld, N. Harry Hendrikse, Albert D. Windhorst, Robert C. Schuit, Jonas Eriksson, Adriaan A. Lammertsma, and Marc C. Huisman

CONTINUING EDUCATION

- 2104 Radiotracer Imaging of Peripheral Vascular Disease**
Mitchel R. Stacy, Wunan Zhou, and Albert J. Sinusas

BASIC SCIENCE INVESTIGATIONS

- 2111 Preclinical Evaluation of ^{18}F -LMI1195 for In Vivo Imaging of Pheochromocytoma in the MENX Tumor Model**
Florian C. Gaertner, Tobias Wiedemann, Behrooz H. Yousefi, Misu Lee, Ines Repokis, Takahiro Higuchi, Stephan G. Nekolla, Ming Yu, Simon Robinson, Markus Schwaiger, and Natalia S. Pellegata
- 2118 Imaging of Epidermal Growth Factor Receptor Expression in Head and Neck Cancer with SPECT/CT and ^{111}In -Labeled Cetuximab-F(ab')₂**
Laura K. van Dijk, Bianca A.W. Hoeben, Johannes H.A.M. Kaanders, Gerben M. Franssen, Otto C. Boerman, and Johan Bussink
- 2125 The Translocator Protein Radioligand ^{18}F -DPA-714 Monitors Antitumor Effect of Erufosine in a Rat 9L Intracranial Glioma Model**
Ali R. Awde, Raphaël Boisgard, Benoît Thézé, Albertine Dubois, Jinzi Zheng, Frédéric Dollé, Andreas H. Jacobs, Bertrand Tavitian, and Alexandra Winkeler
- 2132 A Comparative Study of Radiolabeled Bombesin Analogs for the PET Imaging of Prostate Cancer**
Yang Liu, Xiang Hu, Hongguang Liu, Lihong Bu, Xiaowei Ma, Kai Cheng, Jinbo Li, Mei Tian, Hong Zhang, and Zhen Cheng
- 2139 SPECT Imaging of Inflammatory Response in Ischemic-Reperfused Rat Hearts Using a $^{99\text{m}}\text{Tc}$ -Labeled Dual-Domain Cytokine Ligand**
Zhonglin Liu, Christy Barber, Li Wan, Shan Liu, Mizhou M. Hui, Lars R. Furenlid, Hua Xu, and James M. Woolfenden
- 2146 Preclinical SPECT/CT Imaging of $\alpha\text{v}\beta\text{6}$ Integrins for Molecular Stratification of Idiopathic Pulmonary Fibrosis**
Alison E. John, Jeni C. Lockett, Amanda L. Tatler, Ramla O. Awais, Ami Desai, Anthony Habgood, Steve Ludbrook, Andy D. Blanchard, Alan C. Perkins, R. Gisli Jenkins, and John F. Marshall
- 2153 Brain Glucose Transport and Phosphorylation Under Acute Insulin-Induced Hypoglycemia in Mice: An ^{18}F -FDG PET Study**
Malte F. Alf, João M.N. Duarte, Roger Schibli, Rolf Gruetter, and Stefanie D. Krämer

- 2161 Resveratrol Suppresses Cancer Cell Glucose Uptake by Targeting Reactive Oxygen Species-Mediated Hypoxia-Inducible Factor-1 α Activation**
Kyung-Ho Jung, Jin Hee Lee, Cung Hoa Thien Quach, Jin-Young Paik, Hyunhee Oh, Jin Won Park, Eun Jeong Lee, Seung-Hwan Moon, and Kyung-Han Lee
- 2168 Promises of Cyclotron-Produced ^{44}Sc as a Diagnostic Match for Trivalent β^- -Emitters: In Vitro and In Vivo Study of a ^{44}Sc -DOTA-Folate Conjugate**
Cristina Müller, Maruta Bunka, Josefine Reber, Cindy Fischer, Konstantin Zhernosekov, Andreas Türler, and Roger Schibli
- 2175 New Approach to Quantification of Molecularly Targeted Radiotracer Uptake from Hybrid Cardiac SPECT/CT: Methodology and Validation**
Shimin Li, Albert J. Sinusas, Lawrence W. Dobrucki, and Yi-Hwa Liu

SPECIAL CONTRIBUTION

- 2182 MIRDP Pamphlet No. 24: Guidelines for Quantitative ^{131}I SPECT in Dosimetry Applications**
Yuni K. Dewaraja, Michael Ljungberg, Alan J. Green, Pat B. Zanzonico, and Eric C. Frey

DEPARTMENTS

- 2189 Book Reviews**
- 2190 Letters to the Editor**
- 8A This Month in JNM**
- 22A Information for Authors**
- 27A Recruitment Advertising**

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UPCOMING EDUCATION ARTICLE

Imaging of Cardiac Sarcoidosis

Imke Schatka and Frank M. Bengel

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