

## SNMMI NEWSLINE

- 11N** Cardiovascular Molecular Imaging Think Tank
- 12N** In Memoriam: Frank Howard DeLand, MD, 1921–2015
- 12N** In Memoriam: Robert E. O'Mara, MD, 1933–2015
- 13N** Outstanding *JNM* Articles for 2014
- 15N** Outstanding *JNMT* Articles for 2014
- 16N** SNMMI Leadership Update: Quality, Innovation, and Recognition: Themes for the Year Ahead  
*Hossein Jadvar*
- 17N** SNMMI-TS Leadership Update: Sharpening Our Focus on Quality and Education  
*Aaron T. Scott*
- 19N** Newsbriefs
- 21N** From the Literature

## INVITED PERSPECTIVES

- 971** Predicting Aortic Aneurysm Expansion by PET  
*James H.F. Rudd, Patrick A. Coughlin, and Ashley M. Groves*
- 974** Finding Calcium in Noncalcified Lesions:  $^{18}\text{F}$ -Fluoride Offers Insights into Atheroma Evolution  
*H. William Strauss, Jagat Narula, and Takehiro Nakahara*

## CLINICAL INVESTIGATIONS

- 976** Long-Term Retention of  $^{177}\text{Lu}/^{177\text{m}}\text{Lu}$ -DOTATATE in Patients Investigated by  $\gamma$ -Spectrometry and  $\gamma$ -Camera Imaging  
*Katarina Sjögren Gleisner, Gustav Brodin, Anna Sundlöv, Edita Mjekiqi, Karl Östlund, Jan Tenmvall, and Erik Larsson*
- 985** Repeatability of Radiotracer Uptake in Normal Abdominal Organs with  $^{111}\text{In}$ -Pentetreotide Quantitative SPECT/CT  
*Steven P. Rowe, Esther Vicente, Nadège Anizan, Hao Wang, Jeffrey P. Leal, Martin A. Lodge, Eric C. Frey, and Richard L. Wahl*
- 989**  $^{18}\text{F}$ -FDG PET/CT and Colorectal Cancer: Value of Fourth and Subsequent Posttherapy Follow-up Scans for Patient Management  
*Charles Marcus, Wael Marashdeh, Se Jin Ahn, Mehdi Taghipour, and Rathan M. Subramaniam*

- 995** Diagnostic Performance of  $^{18}\text{F}$ -FDG PET and PET/CT for the Detection of Recurrent Esophageal Cancer After Treatment with Curative Intent: A Systematic Review and Meta-Analysis  
*Lucas Goense, Peter S.N. van Rossum, Johannes B. Reitsma, Marnix G.E.H. Lam, Gert J. Meijer, Marco van Vulpen, Jelle P. Ruurda, and Richard van Hillegersberg*
- 1003**  $^{18}\text{F}$ -DCFBC PET/CT for PSMA-Based Detection and Characterization of Primary Prostate Cancer  
*Steven P. Rowe, Kenneth L. Gage, Sheila F. Faraj, Katarzyna J. Macura, Toby C. Cornish, Nilda Gonzalez-Roibon, Gunes Guner, Enrico Munari, Alan W. Partin, Christian P. Pavlovich, Misop Han, H. Ballentine Carter, Trinity J. Bivalacqua, Amanda Blackford, Daniel Holt, Robert F. Dannals, George J. Netto, Martin A. Lodge, Ronnie C. Mease, Martin G. Pomper, and Steve Y. Cho*
- 1011**  $^{123}\text{I}$ -MIBG Imaging for Prediction of Mortality and Potentially Fatal Events in Heart Failure: The ADMIRE-HFX Study  
*Jagat Narula, Myron Gerson, Gregory S. Thomas, Manuel D. Cerqueira, and Arnold F. Jacobson*
- 1019**  $^{18}\text{F}$ -NaF Uptake by Atherosclerotic Plaque on PET/CT Imaging: Inverse Correlation Between Calcification Density and Mineral Metabolic Activity  
*Francesco Fiz, Silvia Morbelli, Arnoldo Piccardo, Matteo Bauckneht, Giulia Ferrarazzo, Emanuela Pestarino, Manlio Cabria, Alessia Democrito, Mattia Riondato, Giampiero Villavecchia, Cecilia Marini, and Gianmario Sambucetti*
- 1024**  $^{18}\text{F}$ -FDG PET/CT for Therapy Control in Vascular Graft Infections: A First Feasibility Study  
*Lars Husmann, Bert-Ram Sah, Alexandra Scherrer, Irene A. Burger, Paul Stolzmann, Rainer Weber, Zoran Rancic, Dieter Mayer, and Barbara Hasse*
- 1030** Evidence of Cyclic Changes in the Metabolism of Abdominal Aortic Aneurysms During Growth Phases:  $^{18}\text{F}$ -FDG PET Sequential Observational Study  
*Olivier Morel, Damien Mandry, Emilien Micard, Claude Kauffmann, Zohra Lamiral, Antoine Verger, Elodie Chevalier-Mathias, Julien Mathias, Gilles Karcher, Benoit Meneroux, Patrick Rossignol, and Pierre-Yves Marie*
- 1036** Dorsal-to-Ventral Shift in Midbrain Dopaminergic Projections and Increased Thalamic/Raphe Serotonergic Function in Early Parkinson Disease  
*Juho Joutsa, Jarkko Johansson, Marko Seppänen, Tommi Noponen, and Valteri Kaasinen*
- 1042** Voxelwise Relationships Between Distribution Volume Ratio and Cerebral Blood Flow: Implications for Analysis of  $\beta$ -Amyloid Images  
*Jitka Sojkova, Joshua Goh, Murat Bilgel, Bennett Landman, Xue Yang, Yun Zhou, Yang An, Lori L. Beason-Held, Michael A. Kraut, Dean F. Wong, and Susan M. Resnick*
- 1048** Optimized Quantification of Translocator Protein Radioligand  $^{18}\text{F}$ -DPA-714 Uptake in the Brain of Genotyped Healthy Volunteers  
*Sonia Lavissee, Daniel García-Lorenzo, Marie-Anne Peyronneau, Benedetta Bodini, Claire Thiriez, Bertrand Kuhnast, Claude Comtat, Philippe Remy, Bruno Stankoff, and Michel Bottlaender*

- 1055 Comparative Analysis of T Cell Imaging with Human Nuclear Reporter Genes**  
*Maxim A. Moroz, Hanwen Zhang, Jason Lee, Ekaterina Moroz, Juan Zurita, Larissa Shenker, Inna Serganova, Ronald Blasberg, and Vladimir Ponomarev*

- 1061 Whole-Body PET/MR Imaging: Quantitative Evaluation of a Novel Model-Based MR Attenuation Correction Method Including Bone**  
*Daniel H. Paulus, Harald H. Quick, Christian Geppert, Matthias Fenchel, Yiqiang Zhan, Gerardo Hermsillo, David Faul, Fernando Boada, Kent P. Friedman, and Thomas Koesters*

- 1067 Quantitative Evaluation of Segmentation- and Atlas-Based Attenuation Correction for PET/MR on Pediatric Patients**  
*Ilja Bezrukov, Holger Schmidt, Sergios Gatidis, Frédéric Mantlik, Jürgen F. Schäfer, Nina Schwenzer, and Bernd J. Pichler*

## BRIEF COMMUNICATIONS

- 1075 Localization of Hidden Insulinomas with <sup>68</sup>Ga-DOTA-Exendin-4 PET/CT: A Pilot Study**  
*Kwadwo Antwi, Melpomeni Fani, Guillaume Nicolas, Christof Rottenburger, Tobias Heye, Jean Claude Reubi, Beat Gloor, Emanuel Christ, and Damian Wild*

## CONTINUING EDUCATION

- 1079 <sup>90</sup>Y Hepatic Radioembolization: An Update on Current Practice and Recent Developments**  
*Arthur J.A.T. Braat, Maarten L.J. Smits, Manon N.G.J.A. Braat, Andor F. van den Hoven, Jip F. Prince, Hugo W.A.M. de Jong, Maurice A.A.J. van den Bosch, and Marnix G.E.H. Lam*

## BASIC SCIENCE INVESTIGATIONS

- 1088 Radiation Dosimetry of the Fibrin-Binding Probe <sup>64</sup>Cu-FBP8 and Its Feasibility for PET Imaging of Deep Vein Thrombosis and Pulmonary Embolism in Rats**  
*Francesco Blasi, Bruno L. Oliveira, Tyson A. Rietz, Nicholas J. Rotile, Helen Day, Pratap C. Naha, David P. Cormode, David Izquierdo-Garcia, Ciprian Catana, and Peter Caravan*
- 1094 A Novel <sup>111</sup>In-Labeled Anti-Prostate-Specific Membrane Antigen Nanobody for Targeted SPECT/CT Imaging of Prostate Cancer**  
*Kristell L.S. Chatalic, Joke Veldhoven-Zweistra, Michiel Bolkestein, Sander Hoeben, Gerben A. Koning, Otto C. Boerman, Marion de Jong, and Wytske M. van Weerden*

- 1100 In Vivo Evaluation of <sup>18</sup>F-SiFALin-Modified TATE: A Potential Challenge for <sup>68</sup>Ga-DOTATATE, the Clinical Gold Standard for Somatostatin Receptor Imaging with PET**  
*Sabrina Niedermoser, Joshua Chin, Carmen Wängler, Alexey Kostikov, Vadim Bernard-Gauthier, Nils Vogler, Jean-Paul Soucy, Alexander J. McEwan, Ralf Schirmacher, and Björn Wängler*

- 1106 Improving Cerebral Blood Flow Through Liposomal Delivery of Angiogenic Peptides: Potential of <sup>18</sup>F-FDG PET Imaging in Ischemic Stroke Treatment**  
*Hyosook Hwang, Hwan-Seok Jeong, Phil-Sun Oh, Kyung-Suk Na, JeongIl Kwon, Jeonghun Kim, SeokTae Lim, Myung-Hee Sohn, and Hwan-Jeong Jeong*

- 1112 <sup>89</sup>Zr-Labeled Versus <sup>124</sup>I-Labeled  $\alpha$ HER2 Fab with Optimized Plasma Half-Life for High-Contrast Tumor Imaging In Vivo**  
*Claudia T. Mendler, Torben Gehring, Hans-Jürgen Wester, Markus Schwaiger, and Arne Skerra*

## SPECIAL CONTRIBUTIONS

- 1119 Proceedings of the Second NCI-SNMMI Workshop on Targeted Radionuclide Therapy**  
*Frederic Fahey, Katherine Zukotynski, Hossein Jadvar, and Jacek Capala*

## DEPARTMENTS

- 1130 Book Reviews**
- 9A This Month in JNM**

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## UPCOMING EDUCATION ARTICLE

**Gastrointestinal Motility, Part 1: Esophageal Transit and Gastric Emptying**  
*Alan H. Maurer*

For CE credit, you can access educational activities through the SNMMI website (<http://www.snmmllearningcenter.org>)