

## SNM NEWSLINE

- 17N** **Commentary: Unparalleled Contribution of  $^{18}\text{F}$ -FDG PET to Medicine Over 3 Decades**  
*Sandip Basu and Abass Alavi*
- 22N** **SNM RSPC Introduces Welch Award**
- 23N** **SNM Awards for Molecular Imaging Research, Training, and Achievement**
- 24N** **Health Policy and Regulatory Affairs Update: MedCAC Committee Meeting and USP News**  
*Hugh Cannon*
- 25N** **Molecular Imaging Update: MICOE Outreach Report**  
*Val J. Lowe and Alan B. Packard*
- 25N** **Maintenance of Certification: ABMS Celebrates 75th Anniversary**  
*Henry D. Royal*
- 26N** **Correction**
- 27N** **SNM Leadership Update: Ensuring the Future of Nuclear Medicine and Molecular Imaging**  
*Robert W. Atcher*
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- 1573** **Imaging of Apoptosis**  
*Jonathan F. Tait*

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*Rodney J. Hicks*

## CLINICAL INVESTIGATIONS

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*Matthias R. Benz, Martin S. Allen-Auerbach, Fritz C. Eilber, Hui J.J. Chen, Sarah Dry, Michael E. Phelps, Johannes Czernin, and Wolfgang A. Weber*
- 1585** **Diagnosis and Differentiation of Bronchioloalveolar Carcinoma from Adenocarcinoma with Bronchioloalveolar Components with Metabolic and Anatomic Characteristics Using PET/CT**  
*Behnaz Goudarzi, Heather A. Jacene, and Richard L. Wahl*

- 1593** **PET Changes Management and Improves Prognostic Stratification in Patients with Head and Neck Cancer: Results of a Multicenter Prospective Study**  
*Andrew M. Scott, Dishan H. Gunawardana, Dylan Bartholomeusz, Jayne E. Ramshaw, and Peter Lin*

- 1601** **High  $^{18}\text{F}$ -FDG Uptake in Synthetic Aortic Vascular Grafts on PET/CT in Symptomatic and Asymptomatic Patients**  
*Johan Wassélius, Jonas Malmstedt, Bo Kalin, Stig Larsson, Anders Sundin, Ulf Hedin, and Hans Jacobsson*

- 1606** **Evaluation of Dual-Time-Point  $^{18}\text{F}$ -FDG PET for Staging in Patients with Lung Cancer**  
*Daisuke Uesaka, Yoshiki Demura, Takeshi Ishizaki, Shingo Ameshima, Isamu Miyamori, Masato Sasaki, Yasuhisa Fujibayashi, and Hidehiko Okazawa*

- 1613** **Comparison of 6- $^{18}\text{F}$ -Fluorodopamine PET with  $^{123}\text{I}$ -Metaiodobenzylguanidine and  $^{111}\text{In}$ -Pentetreotide Scintigraphy in Localization of Nonmetastatic and Metastatic Pheochromocytoma**  
*Ioannis Ilias, Clara C. Chen, Jorge A. Carrasquillo, Millie Whatley, Alexander Ling, Ivica Lazúrová, Karen T. Adams, Shiromi Perera, and Karel Pacak*

- 1620** **Reproducibility of Tumor Blood Flow Quantification with  $^{15}\text{O}$ -Water PET**  
*Martin A. Lodge, Heather A. Jacene, Roberto Pili, and Richard L. Wahl*

- 1628** **Greater Nicotinic Acetylcholine Receptor Density in Smokers Than in Nonsmokers: A PET Study with 2- $^{18}\text{F}$ -FA-85380**  
*Alexey G. Mukhin, Alane S. Kimes, Svetlana I. Chefer, John A. Matochik, Carlo S. Contoreggi, Andrew G. Horti, D. Bruce Vaupel, Olga Pavlova, and Elliot A. Stein*

- 1636** **Gated Myocardial Perfusion SPECT: Algorithm-Specific Influence of Reorientation on Calculation of Left Ventricular Volumes and Ejection Fraction**  
*Daniela Knollmann, Oliver H. Winz, Philipp T. Meyer, Mardjan Raptis, Thomas Krohn, Karl-Christian Koch, and Wolfgang M. Schaefer*

- 1643** **Comparison of Measures of Left Ventricular Function from Electrocardiographically Gated  $^{82}\text{Rb}$  PET with Contrast-Enhanced CT Ventriculography: A Hybrid PET/CT Analysis**  
*Ankit Chander, Michele Brenner, Riikka Lautamäki, Corina Voicu, Jennifer Merrill, and Frank M. Bengel*

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## BASIC SCIENCE INVESTIGATIONS

- 1664** **The Biodistribution and Radiation Dosimetry of the Arg-Gly-Asp Peptide  $^{18}\text{F}$ -AH111585 in Healthy Volunteers**  
*Brian J. McParland, Matthew P. Miller, Terence J. Spinks, Laura M. Kenny, Safiye Osman, Mandeep K. Khela, Eric Aboagye, Raoul C. Coombes, Ai-Min Hui, and Pamela S. Cohen*

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*Heyu Wu, Debashish Pal, Tae Yong Song, Joseph A. O'Sullivan, and Yuan-Chuan Tai*

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*Seigo Ishino, Takahiro Mukai, Yuji Kuge, Noriaki Kume, Mikako Ogawa, Nozomi Takai, Junko Kamihashi, Masashi Shiomi, Manabu Minami, Toru Kita, and Hideo Saji*

**1686** **In Vivo Imaging of Functional Targeting of miR-221 in Papillary Thyroid Carcinoma**

*Hyun Joo Kim, Young Ha Kim, Dong Soo Lee, June-Key Chung, and Soonhag Kim*

**1694** **Cardioprotective Effects of Erythropoietin in Rats Subjected to Ischemia-Reperfusion Injury: Assessment of Infarct Size with <sup>99m</sup>Tc-Annexin V**

*Tomoki Doue, Katsuichi Ohtsuki, Kazuma Ogawa, Masashi Ueda, Akihiro Azuma, Hideo Saji, Harry W. Strauss, and Hiroaki Matsubara*

**1701** **Whole-Body Evaluation of MIBG Tissue Extraction in a Mouse Model of Long-Lasting Type II Diabetes and Its Relationship with Norepinephrine Transport Protein Concentration**

*Claudia Kusmic, Silvia Morbelli, Cecilia Marini, Marco Matteucci, Chiara Cappellini, Elena Pomposelli, Paolo Marzullo, Antonio L'Abbate, and Gianmario Sambuceti*

**1707** **Prolonged High-Fat Feeding Enhances Aortic <sup>18</sup>F-FDG and <sup>99m</sup>Tc-Annexin A5 Uptake in Apolipoprotein E-Deficient and Wild-Type C57BL/6J Mice**

*Yan Zhao, Yuji Kuge, Songji Zhao, H. William Strauss, Francis G. Blankenberg, and Nagara Tamaki*

**1715** **A New <sup>18</sup>F-Labeled Myocardial PET Tracer: Myocardial Uptake After Permanent and Transient Coronary Occlusion in Rats**

*Takahiro Higuchi, Stephan G. Nekolla, Marc M. Huisman, Sybille Reder, Thorsten Poethko, Ming Yu, Hans-Jurgen Wester, David S. Casebier, Simon P. Robinson, Rene M. Botnar, and Markus Schwaiger*

**1723** **Real-Time Iterative Monitoring of Radiofrequency Ablation Tumor Therapy with <sup>15</sup>O-Water PET Imaging**

*Ande Bao, Beth Goins, Gerald D. Dodd III, Anuradha Soundararajan, Cristina Santoyo, Randal A. Otto, Michael D. Davis, and William T. Phillips*

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## UPCOMING EDUCATION ARTICLES

**Nuclear Imaging and Minimally Invasive Surgery in the Management of Hyperparathyroidism**

*Benjamin L. Judson and Ashok R. Shaha*

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