SNM NEWSLINE

14N Survey of Patient Release Information on Radiation and Security Checkpoints
Luba Katz and Armin Ansari

24N Molecular Imaging Update: MI Abstracts for Annual Meeting
Marybeth Howlett

24N Maintenance of Certification: MOC: Frequently Asked Questions
Henry D. Royal

26N SNM Leadership Update: Advocating for PET/CT
Alexander J. McEwan

27N Health Policy & Regulatory Affairs Update: SNM Actions to Restore Basic Research Funding
Hugh Cannon

28N Newsbriefs

32N From the Literature

FOCUS ON MOLECULAR IMAGING

1916 Comparison of Imaging Techniques for Tracking Cardiac Stem Cell Therapy
Sarah J. Zhang and Joseph C. Wu

1920 PET/CT in Evaluating Pediatric Malignancies: A Clinician’s Perspective
Noah Federman and Stephen A. Feig

1923 18F-FDG PET/CT in Evaluating Non-CNS Pediatric Malignancies
Mitsuaki Tatsumi, John H. Miller, and Richard L. Wahl

1932 Significant Benefit of Multimodal Imaging: PET/CT Compared with PET Alone in Staging and Follow-up of Patients with Ewing Tumors
Hans U. Gerth, Kai U. Juergens, Uta Dirkens, Joachim Gerss, Otmar Schober, and Christiane Franzius

1940 Usefulness of Standardized Uptake Values for Distinguishing Adrenal Glands with Pheochromocytoma from Normal Adrenal Glands by Use of 6-18F-Fluorodopamine PET

1945 Imaging Gastric Cancer with PET and the Radiotracers 18F-FLT and 18F-FDG: A Comparative Analysis
Ken Herrmann, Katja Ott, Andreas K. Buck, Florian Lordick, Dirk Wilhelm, Michael Souvatzoglou, Karen Becker, Tibor Schuster, Hans-Jürgen Wester, Jörg R. Siewert, Markus Schwaiger, and Bernd J. Krause

1951 Impact of Acquisition Geometry, Image Processing, and Patient Size on Lesion Detection in Whole-Body 18F-FDG PET
Georges El Fakhri, Paula A. Santos, Ramsey D. Badawi, Clay H. Holdsworth, Annick D. Van Den Abbeele, and Marie Foley Kijewski

1961 Comparison of 18F-FDG PET and Optimized Voxel-Based Morphometry for Detection of Alzheimer’s Disease: Aging Effect on Diagnostic Performance
Ichiro Matsunari, Miharu Samuraki, Wei-Ping Chen, Daiseke Yanase, Nozomi Takeda, Kenjiro Ono, Mitsuhiro Yoshita, Hiroshi Matsuda, Masahito Yamada, and Seigo Kinuya

1971 Evaluation of Primary Brain Tumors Using 11C-Methionine PET with Reference to a Normal Methionine Uptake Map
David J. Coope, Jiří Čížek, Carsten Eggers, Stefan Vollmar, Wolf-Dieter Heiss, and Karl Herholz

1981 Striatal D2 Receptor Availability After Shunting in Idiopathic Normal Pressure Hydrocephalus
Teiji Nakayama, Yasuomi Ouchi, Etsuji Yoshikawa, Genichi Sugihara, Tatsuori Torizuka, and Keisei Tanaka

1987 Microvascular Function in Viable Myocardium After Chronic Infarction Does Not Influence Fractional Flow Reserve Measurements
Koen M. Marques, Paul Knaapen, Ronald Boellaard, Adriaan A. Lammertsma, Nico Westerhof, and Frans C. Visser

1993 Additive Effects of Spironolactone and Candesartan on Cardiac Sympathetic Nerve Activity and Left Ventricular Remodeling in Patients with Congestive Heart Failure
Shu Kasama, Takaji Toyama, Hiroyuki Samino, Naoya Matsumoto, Yuichi Sato, Hisao Nakamura, Yoshiaki Takayama, Shuichi Ichikawa, Tadashi Suzuki, and Masahiko Kurabayashi

CONTINUING EDUCATION

2001 Nuclear Imaging in Cardiac Resynchronization Therapy
Maureen M. Hendeman, Ernst E. van der Wall, Claudia Ypenburg, Gabe B. Bleeker, Nico R. van de Veire, Nina Ajmone Marsan, Ji Chen, Ernest V. Garcia, Jos J.M. Westenberg, Martin J. Schalij, and Jeroen J. Bax

BASIC SCIENCE INVESTIGATIONS

2011 Imaging of Mesenchymal Stem Cell Transplant by Bioluminescence and PET
Zachary Love, Fangjing Wang, James Dennis, Amad Awadallah, Nicholas Salem, Yuan Lin, Andrew Weisenberger, Stan Majewski, Stanton Gerson, and Zhenghong Lee
**2021** Biodistribution and Predictive Value of $^{18}$F-Fluorocyclophosphamide in Mice Bearing Human Breast Cancer Xenografts
Amanda L. Kesner, Wei-Ann Hsueh, Nwe Linn Htet, Betty S. Pio, Johannes Czernin, Mark D. Pegram, Michael E. Phelps, and Daniel H.S. Silverman

**2028** Noninvasive Imaging of Human Telomerase Reverse Transcriptase (hTERT) Messenger RNA with $^{99m}$Tc-Radiolabeled Antisense Probes in Malignant Tumors
Meng Liu, Rong Fu Wang, Chun Li Zhang, Ping Yan, Ming Ming Yu, Li Juan Di, Hong Jie Liu, and Feng Qin Guo

**2037** Estimation of the $^{18}$F-FDG Input Function in Mice by Use of Dynamic Small-Animal PET and Minimal Blood Sample Data
Gregory Z. Ferl, Xiaoli Zhang, Hsiao-Ming Wu, and Sung-Cheng Huang

**2046** L-3-11C-Lactate as a PET Tracer of Myocardial Lactate Metabolism: A Feasibility Study
Pilar Herrero, Carmen S. Dence, Andrew R. Coggan, Zulfixa Ktsievra-Ware, Paul Eisenbeis, and Robert J. Gropler

**2056** Differential Uptake of O-(2-$^{18}$F-Fluoroethyl)-L-Tyrosine, L-3H-Methionine, and 3H-Deoxyglucose in Brain Abscesses
Dagmar Saber, Gabriele Stoffels, Dirk Pauleit, Anna-Maria Oros-Peasquens, Nadim Jon Shah, Peter Klauth, Kurt Hamacher, Heinz Hubert Coenen, and Karl-Josef Langen

**2063** L-Type Amino Acid Transporters LAT1 and LAT4 in Cancer: Uptake of 3-O-Methyl-6-$^{18}$F-Fluoro-L-Dopa in Human Adenocarcinoma and Squamous Cell Carcinoma In Vitro and In Vivo
Cathleen Haase, Ralf Bergmann, Frank Fuechtner, Alexander Hoepping, and Jens Pietzsch

**2072** Radiation Dosimetry and Biodistribution in Monkey and Man of $^{11}$C-PBR28: A PET Radioligand to Image Inflammation
Amira K. Brown, Masahiro Fujita, Yota Fujimura, Jeth-San Liow, Michael Stabin, Yong H. Ryu, Masao Imaizumi, Jinsoo Hong, Victor W. Pike, and Robert B. Innis

**SPECIAL CONTRIBUTION**

**2080** Posttherapy Radiation Safety Considerations in Radiomicrosphere Treatment with $^{90}$Y-Microspheres
Seza A. Galec and Jeffry A. Siegel

**DEPARTMENTS**

**1915** Comments and Perspectives

**2027** Errata

**2087** Book Reviews

**43A** Recruitment Advertising

**50A** JNM Direct Response

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**UPCOMING EDUCATION ARTICLES**

Skeletal PET with $^{18}$F-Fluoride: Applying New Technology to an Old Tracer
Frederick D. Grant, Frederic H. Fahey, Alan B. Packard, Royal T. Davis, Abass Alavi, and S. Ted Treves

For CE credit, you can access Continuing Education Activities through the SNM Web site (http://www.snm.org/ce_online)