

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

INVITED PERSPECTIVE

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

CLINICAL INVESTIGATIONS

- 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 Dirksen, 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
Henri J.L.M. Timmers, Jorge A. Carrasquillo, Millie Whatley, Graeme Eisenhofer, Clara C. Chen, Alexander Ling, W. Marston Linehan, Peter A. Pinto, Karen T. Adams, and Karel Pacak

- 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, Miharuru 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, Tatsuo 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, Takuji Toyama, Hiroyuki Sumino, Naoya Matsumoto, Yuichi Sato, Hisao Kumakura, Yoshiaki Takayama, Shuichi Ichikawa, Tadashi Suzuki, and Masahiko Kurabayashi

CONTINUING EDUCATION

- 2001** Nuclear Imaging in Cardiac Resynchronization Therapy
Maureen M. Henneman, 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. Westenbergh, 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, Nicolas Salem, Yuan Lin, Andrew Weisenberger, Stan Majewski, Stanton Gerson, and Zhenghong Lee

SPECIAL CONTRIBUTION

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

DEPARTMENTS

- 1915** Comments and Perspectives
2027 Errata
2087 Book Reviews
11A This Month in JNM
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)

- 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 $^{99\text{m}}\text{Tc}$ -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- ^{11}C -Lactate as a PET Tracer of Myocardial Lactate Metabolism: A Feasibility Study
Pilar Herrero, Carmen S. Dence, Andrew R. Coggan, Zulfia Kisrieva-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 Salber, Gabriele Stoffels, Dirk Pauleit, Anna-Maria Oros-Peusquens, 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, Jeih-San Liow, Michael Stabin, Yong H. Ryu, Masao Imaizumi, Jinsoo Hong, Victor W. Pike, and Robert B. Innis