SNM NEWSLINE

15N SNM Members Elected to IOM

17N Second Annual SNMTS Leadership Academy

19N Molecular Imaging in China: Looking Back and Forward
H. Wagner, Jr.

21N In Memoriam: Nilo E. Herrera, Sr., MD, 1923–2008
Terence Beven

22N SNM Leadership Update: Advancing Molecular Imaging from the Laboratory to Everyday Practice
Henry F. VanBrocklin

23N Health Policy and Regulatory Affairs Update: CMS and PET for Solid Tumors
Hugh Cannon

25N Molecular Imaging Update: Molecular Imaging Technologies and Translational Medicine
Andrea Perrone

27N Newsbriefs

31N From the Literature

FOCUS ON MOLECULAR IMAGING

1905 MRI Reporter Genes
Assaf A. Gilad, Keren Ziv, Michael T. McMahon, Peter C.M. van Zijl, Michal Neeman, and Jeff W.M. Bulte

1909 18F-FDG Uptake as a Surrogate Marker for Antecedent Ischemia
Vasken Dilsizian

INVITED PERSPECTIVE

1912 A Prospective Evaluation of 18F-FDG and 11C-Acetate PET/CT for Detection of Primary and Metastatic Hepatocellular Carcinoma
Joong-Won Park, Ji Hoon Kim, Seok Ki Kim, Keon Wook Kang, Kyung Woo Park, Jun-Il Choi, Woo Jin Lee, Chang-Min Kim, and Byung Ho Nam

CLINICAL INVESTIGATIONS

1922 Combination of a Mean Transit Time Measurement with an Acetazolamide Test Increases Predictive Power to Identify Elevated Oxygen Extraction Fraction in Occlusive Carotid Artery Diseases
Masaaki Hokari, Satoshi Kuroda, Tohru Shiga, Naoki Nakayama, Nagara Tanaka, and Yoshinobu Iwasaki

1928 Relationship Between Cancer Type and Impact of PET and PET/CT on Intended Management: Findings of the National Oncologic PET Registry
Bruce E. Hillner, Barry A. Siegel, Anthony F. Shields, Dawei Liu, Ilana F. Gareen, Ed Hunt, and R. Edward Coleman

1936 Clarifying the Diagnosis of Clinically Suspected Recurrence of Cervical Cancer: Impact of 18F-FDG PET
Astrid A.M. van der Veldt, Marrije R. Baust, Marchien W. van Baal, Emile F. Comans, Otto S. Hoekstra, and Carla F.M. Moulthoff

1944 18F-EF5: A New PET Tracer for Imaging Hypoxia in Head and Neck Cancer
Gaber Komar, Marko Seppänen, Olli Eskola, Paula Lindholm, Tove J. Grönnroos, Sarita Forsback, Hannu Sipilä, Sydney M. Evans, Olof Solin, and Heikki Minn

1952 Incremental Value of 131I SPECT/CT in the Management of Patients with Differentiated Thyroid Carcinoma
Libo Chen, Quanyong Luo, Yan Shen, Yongli Yu, Zhimin Yuan, HANKUI LU, and RUISEN ZHU

1958 Computer-Assisted Interpretation of Planar Whole-Body Bone Scans
May Sadik, Iman Hamadeh, Pierre Nordblom, Madis Suurkula, Peter Högland, Mattias Ohlsson, and Lars Edenbrandt

1962 Mitogen-Activated Protein Kinase Signaling Enhances Sodium Iodide Symporter Function and Efficacy of Radioiodide Therapy in Nonthyroidal Cancer Cells

1973 Spatial Heterogeneity in Sarcoma 18F-FDG Uptake as a Predictor of Patient Outcome
Janet F. Eary, Finbarr O’Sullivan, Janet O’Sullivan, and Ernest U. Conrad

1980 Fever of Unknown Origin: The Role of 18F-FDG PET/CT
Zohar Keidar, Alexandra Garman-Balbir, Diana Gaitini, and Ora Israel

1986 Myocardial 18F-FDG Uptake After Exercise-Induced Myocardial Ischemia in Patients with Coronary Artery Disease
Ke-Fei Dou, Min-Fu Yang, Yue-Jin Yang, Divakar Jain, and Zuo-Xiang He

1992 Comparison of Myocardial Perfusion 82Rb PET Performed with CT- and Transmission CT–Based Attenuation Correction
Piotr J. Slomka, Ludovic Le Meunier, Sean W. Hayes, Wanda Acampa, Munee Oba, Gillian G. Haemer, Daniel S. Berman, and Guido Germano

1999 Analysis of the Effects of Injecting Drug Use and HIV-1 Infection on 18F-FDG PET Brain Metabolism
Michalis F. Georgiou, Athi Gonenc, Drenna Waldrop-Valverde, Russ A. Kuker, Shabbir H. Ezuddin, George N. Sfakianakis, and Mahendra Kumar
2006 Changes in Cerebral Glucose Metabolism in Patients with Parkinson Disease with Dementia After Cholinesterase Inhibitor Therapy
Phil Hyu Lee, Seok Woo Yong, and Young-Sil An

2012 Preoperative $^{123}$I/$^{99m}$Tc-Sestamibi Subtraction SPECT and SPECT/CT in Primary Hyperparathyroidism
Donald R. Neumann, Nancy A. Obuchowski, and Frank P. DiFilippo

2018 Compartmental Modeling of $^{11}$C-HOMADAM Binding to the Serotonin Transporter in the Healthy Human Brain

2026 Planning of $^{131}$I Therapy for Graves Disease Based on the Radiation Dose to Thyroid Follicular Cells
Davor Eterović, Željko Antunović, Vinko Marković, and Darko Groshev

2031 Novel Tracers and Their Development for the Imaging of Metastatic Prostate Cancer
Andrea B. Apolo, Neeta Pandit-Taskar, and Michael J. Morris

2042 Metabotropic Glutamate Subtype 5 Receptors Are Quantified in the Human Brain with a Novel Radioligand for PET

2049 Cytotoxicity of $\alpha$-Receptor Ligands Is Associated with Major Changes of Cellular Metabolism and Complete Occupancy of the $\alpha$-2 Subpopulation
Anna A. Rybczynska, Rudi A. Dierckx, Kiichi Ishiwata, Philip H. Elsinga, and Aren van Waarde

2057 Kinetic Modeling of 3'-Deoxy-3'-$^{18}$F-Fluorothymidine for Quantitative Cell Proliferation Imaging in Subcutaneous Tumor Models in Mice
Soo-Ah Park, Seung Jin Lee, Seung Jun Oh, Dong Soo Lee, and Dae Hyuk Moon

DEPARTMENTS

2067 Book Reviews
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http://www.snm.org/journals/jnm_author_info

UPCOMING EDUCATION ARTICLES

$^{18}$F-FDG PET and PET/CT in the Evaluation of Treatment Response in Cancer
Simona Ben-Haim and Peter Ell

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