

## SNM NEWSLINE

- 15N** SNM Members Elected to IOM
- 17N** Second Annual SNMTS Leadership Academy
- 19N** Molecular Imaging in China: Looking Back and Forward  
*Henry N. 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*

## INVITED PERSPECTIVE

- 1909**  $^{18}\text{F}$ -FDG Uptake as a Surrogate Marker for Antecedent Ischemia  
*Vasken Dilsizian*

## CLINICAL INVESTIGATIONS

- 1912** A Prospective Evaluation of  $^{18}\text{F}$ -FDG and  $^{11}\text{C}$ -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*
- 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 Tamaki, 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  $^{18}\text{F}$ -FDG PET  
*Astrid A.M. van der Veldt, Marrije R. Buist, Marchien W. van Baal, Emile F. Comans, Otto S. Hoekstra, and Carla F.M. Molthoff*

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

- 1952** Incremental Value of  $^{131}\text{I}$  SPECT/CT in the Management of Patients with Differentiated Thyroid Carcinoma  
*Libo Chen, Quanyong Luo, Yan Shen, Yongli Yu, Zhibin 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 Höglund, Mattias Ohlsson, and Lars Edenbrandt*

- 1966** Mitogen-Activated Protein Kinase Signaling Enhances Sodium Iodide Symporter Function and Efficacy of Radioiodide Therapy in Nonthyroidal Cancer Cells  
*Kyung-Ho Jung, Jin-Young Paik, Bong-Ho Ko, and Kyung-Han Lee*

- 1973** Spatial Heterogeneity in Sarcoma  $^{18}\text{F}$ -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  $^{18}\text{F}$ -FDG PET/CT  
*Zohar Keidar, Alexandra Gurman-Balbir, Diana Gaitini, and Ora Israel*

- 1986** Myocardial  $^{18}\text{F}$ -FDG Uptake After Exercise-Induced Myocardial Ischemia in Patients with Coronary Artery Disease  
*Ke-Fei Dou, Min-Fu Yang, Yue-Jin Yang, Diwakar Jain, and Zuo-Xiang He*

- 1992** Comparison of Myocardial Perfusion  $^{82}\text{Rb}$  PET Performed with CT- and Transmission CT-Based Attenuation Correction  
*Piotr J. Slomka, Ludovic Le Meunier, Sean W. Hayes, Wanda Acampa, Muneo Oba, Gillian G. Haemer, Daniel S. Berman, and Guido Germano*

- 1999** Analysis of the Effects of Injecting Drug Use and HIV-1 Infection on  $^{18}\text{F}$ -FDG PET Brain Metabolism  
*Michalis F. Georgiou, Ati 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  $^{123}\text{I}/^{99\text{m}}\text{Tc}$ -Sestamibi Subtraction SPECT and SPECT/CT in Primary Hyperparathyroidism

*Donald R. Neumann, Nancy A. Obuchowski, and Frank P. DiFilippo*

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

*Jonathon A. Nye, John R. Votaw, Nachwa Jarkas, David Purselle, Vernon Camp, James D. Bremner, Clinton D. Kiltz, Charles B. Nemeroff, and Mark M. Goodman*

#### BRIEF COMMUNICATION

- 2026** Planning of  $^{131}\text{I}$  Therapy for Graves Disease Based on the Radiation Dose to Thyroid Follicular Cells

*Davor Eterović, Željko Antunović, Vinko Marković, and Darko Grošev*

#### CONTINUING EDUCATION

- 2031** Novel Tracers and Their Development for the Imaging of Metastatic Prostate Cancer

*Andrea B. Apolo, Neeta Pandit-Taskar, and Michael J. Morris*

#### BASIC SCIENCE INVESTIGATIONS

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

*Amira K. Brown, Yasuyuki Kimura, Sami S. Zoghbi, Fabrice G. Siméon, Jeh-San Liow, William C. Kreisl, Andrew Taku, Masahiro Fujita, Victor W. Pike, and Robert B. Innis*

- 2049** Cytotoxicity of  $\sigma$ -Receptor Ligands Is Associated with Major Changes of Cellular Metabolism and Complete Occupancy of the  $\sigma$ -2 Subpopulation

*Anna A. Rybczynska, Rudi A. Dierckx, Kiichi Ishiwata, Philip H. Elsinga, and Aren van Waarde*

- 2057** Kinetic Modeling of 3'-Deoxy-3'- $^{18}\text{F}$ -Fluorothymidine for Quantitative Cell Proliferation Imaging in Subcutaneous Tumor Models in Mice

*Su Jin Kim, Jae Sung Lee, Ki Chum Im, Seog-Young Kim, Soo-Ah Park, Seung Jin Lee, Seung Jun Oh, Dong Soo Lee, and Dae Hyuk Moon*

#### DEPARTMENTS

- 2067** Book Reviews

- 2070** Letters to the Editor

- 11A** This Month in JNM

- 38A** Recruitment Advertising

#### JNM ONLINE

[jnm.snmjournals.org](http://jnm.snmjournals.org)

Newsline Online

[www.snm.org/newsline](http://www.snm.org/newsline)

Information for Authors

[http://www.snm.org/journals/jnm\\_author\\_info](http://www.snm.org/journals/jnm_author_info)

#### UPCOMING EDUCATION ARTICLES

$^{18}\text{F}$ -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](http://www.snm.org/ce_online))