16N NOPR Study Confirms PET Benefit in Patient Management

16N CMS Denies New PET Coverage for Infection, Inflammation

19N SNM Young Professionals Committee: Looking to Nuclear Medicine’s Future
William C. Lavely, Sibyll Goetze, and Heather A. Jacene

22N In Memoriam: Harvey Picker

24N Molecular Imaging Update: Molecular Imaging Curriculum Development
Darlene Metter

24N Maintenance of Certification: MOC, ABNM, and the Public Trust
Henry D. Royal

25N SNM Leadership Update: Communication—A Process of Continuous Improvement
Alexander J.B. McEwan, Robert W. Atcher, and Michael M. Graham

26N Health Policy and Regulatory Affairs Update: MedPAC Releases March 2008 Report to the Congress: Medicare Payment Policy
Hugh Cannon

28N Newsbriefs

33N From the Literature

700 Long-Term Precision of 18F-Fluoride PET Skeletal Kinetic Studies in the Assessment of Bone Metabolism
Michelle L. Frost, Glen M. Blake, So-Jin Park-Holohan, Gary J.R. Cook, Kathleen M. Curran, Paul K. Marsden, and Ignac Fogelman

708 Comparison of 18F-FDG PET and MRI in Assessment of Uterine Smooth Muscle Tumors
Yoshio Yoshida, Tetsuji Kurokawa, Yoko Sawamura, Akiko Shinagawa, Tetsuya Tsujikawa, Hidehiko Okazawa, Tatsuro Tsuchida, Yoshiaki Imamura, Narufumi Suganuma, and Fumikazu Kotsuji

713 A New Acycloguanosine-Specific Supermutant of Herpes Simplex Virus Type 1 Thymidine Kinase Suitable for PET Imaging and Suicide Gene Therapy for Potential Use in Patients Treated with Pyrimidine-Based Cytotoxic Drugs
Yury Likar, Konstantin Dobrenkov, Małgorzata Olszewska, Elena Vider, Larissa Shenker, Shangde Cai, Nagavarakishore Pillarsetty, Hedvig Hricak, and Vladimir Ponomarev

721 Metabolic Imaging of Cerebral Gliomas: Spatial Correlation of Changes in O-(2-18F-Fluoroethyl)-L-Tyrosine PET and Proton Magnetic Resonance Spectroscopic Imaging
Andreas Stadlbauer, Olaf Prante, Christopher Nimsky, Erich Salomonowitz, Michael Buchfelder, Torsten Kuwert, Rainer Linke, and Oliver Ganslandt

730 Prognostic Value of 18F-Fluoroethyl-L-Tyrosine PET and MRI in Small Nonspecific Incidental Brain Lesions
Frank Willi Floeth, Michael Sabel, Gabriele Stoffels, Dirk Pauleit, Kurt Hamacher, Hans-Jakob Steiger, and Karl-Josef Langen

738 Reducing Radiation Dose in Rest–Stress Cardiac PET/CT by Single Poststress Cine CT for Attenuation Correction: Quantitative Validation
K. Lance Gould, Tinsu Pan, Catalin Loghin, Nils P. Johnson, and Stefano Sdringola

746 Diastolic Filling Parameters Derived from Myocardial Perfusion Imaging Can Predict Left Ventricular End-Diastolic Pressure at Subsequent Cardiac Catheterization
Dineshkumar Patel, Vincent J.B. Robinson, Roque B. Arteaga, and John W. Thornton

752 Visualization of Brown Adipose Tissue with 99mTc-Methoxyisobutylisonitrile on SPECT/CT
Sibyll Goetze, William C. Lavely, Harvey A. Ziessman, and Richard L. Wahl

757 Increased Serotonin and Dopamine Transporter Binding in Psychotropic Medication–Naïve Patients with Generalized Social Anxiety Disorder Shown by 123I-β-(4-Iodophenyl)-Tropene SPECT
Nic J. van der Wee, J. Frederike van Veen, Henk Stevens, Irene M. van Vliet, Peter P. van Rijk, and Herman G. Westenberg
Recombinant Human TSH–Assisted Radioactive Iodine Remnant Ablation Achieves Short-Term Clinical Recurrence Rates Similar to Those of Traditional Thyroid Hormone Withdrawal
R. Michael Tuttle, Matvey Brokhin, Gal Omry, Andrew J. Martorella, Steven M. Larson, Ravinder K. Grewal, Martin Fleisher, and Richard J. Robbins

New 133Xe Gas Trapping Index for Quantifying Severe Emphysema Before Partial Lung Volume Reduction
Jeffrey J. Mathews, Alan H. Maurer, Robert M. Steiner, Nathan Marchetti, Gerald Criner, John P. Gaughan, and Harvey O. Coxson

CONTINUING EDUCATION

Radionuclide Evaluation of the Lower Gastrointestinal Tract
Giuliano Mariani, Ernest K.J. Pauwels, Abedallatif AlSharif, Santino Marchi, Giuseppe Boni, Marco Barreca, Massimo Bellini, Mariano Grosso, Nicola de Bortoli, Gloria Mumolo, Francesco Costa, Domenico Rubello, and H. William Strauss

BASIC SCIENCE INVESTIGATIONS

Comparison of the Biodistribution and Tumor Targeting of Two 99mTc-Labeled Anti-EGFR Nanobodies in Mice, Using Pinhole SPECT/Micro-CT
Lea Olive Tchouate Gainkam, Lieven Huang, Vicky Caveliers, Marleen Keyaerts, Sophie Hernot, Ilse Vaneycken, Christian Vanhove, Hilde Revets, Patrick De Baetselier, and Tony Lahoutte

111In-Labeled Galectin-3–Targeting Peptide as a SPECT Agent for Imaging Breast Tumors
Senthil R. Kumar and Susan L. Deutsch

Small-Animal PET Imaging of Human Epidermal Growth Factor Receptor Type 2 Expression with Site-Specific 18F-Labeled Protein Scaffold Molecules
Zhen Cheng, Omayra Padilla De Jesus, Mohammad Namavari, Abhijit De, Jelena Levi, Jack Matt Webster, Rong Zhang, Brian Lee, Faisal A. Syud, and Sanjiv Sam Gambhir

DPA-714, a New Translocator Protein–Specific Ligand: Synthesis, Radiofluorination, and Pharmacologic Characterization
Michelle L. James, Roger R. Fulton, Johnny Vercoullie, David J. Henderson, Lucette Garreau, Sylvie Chalon, Frederic Dolle, Silvia Selleri, Denis Guilloteau, and Michael Kassiou

203Pb-Labeled α-Melanocyte–Stimulating Hormone Peptide as an Imaging Probe for Melanoma Detection

Preparation of a Promising Angiogenesis PET Imaging Agent: 68Ga-Labeled c(RGDyK)–Isothiocyanatobenzyl-1,4,7-Triazacyclononane-1,4,7-Triacetic Acid and Feasibility Studies in Mice
Jae Min Jeong, Mee Kyung Hong, Young Soo Chang, Yun-Sang Lee, Young Joo Kim, Gi Jeong Cheon, Dong Soo Lee, June-Key Chung, and Myung Chul Lee

Myeloablative 131I-Tositumomab Radioimmunotherapy in Treating Non-Hodgkin's Lymphoma: Comparison of Dosimetry Based on Whole-Body Retention and Dose to Critical Organ Receiving the Highest Dose

Therapeutic Administration of 131I for Differentiated Thyroid Cancer: Radiation Dose to Ovaries and Outcome of Pregnancies
Jérôme-Philippe Garsi, Martin Schlumberger, Carole Rubino, Marcel Ricard, Martine Labbé, Claudia C Cecchelli, Claire Schwartz, Michel Henri-Amar, Stéphane Bardet, and Florent de Vathaire

SPECIAL CONTRIBUTION

Uncertainties in Internal Dose Calculations for Radiopharmaceuticals
Michael G. Stabin

DEPARTMENTS

Book Reviews

Letters to the Editor

This Month in JNM

Information for Authors

Recruitment Advertising

JNM ONLINE

jnm.snmjournals.org
Newsline Online
www.snm.org/newsline
Information for Authors
http://www.snm.org/journals/jnm_author_info

UPCOMING EDUCATION ARTICLES

Dual-Modality Imaging: Combining Anatomy and Function
David W. Townsend

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