

# JNM



Official Publication of  
the Society of Nuclear Medicine

## SNM NEWSLINE

- 15N Cancer Staging Technique Holds Promise**  
*Deborah Kotz*
- 19N Commentary: It's Time To Stop Crying and Do Something**  
*M. Donald Blafox*
- 22N CHCPP News**  
*Wendy J.M. Smith*
- 28N Government Relations Update**  
*David Nichols*
- 30N Newsbriefs**
- 30N SNM and SNM-TS 1997 Election Results**

## NUCLEAR ONCOLOGY

- 831 Technetium-99m-Tetrofosmin for Parathyroid Scintigraphy: A Comparison with Sestamibi**  
*Jan G. Fjeld, Knut Erichsen, Per F. Pfeffer, Ole P.F. Clausen and Kjell Rootwelt*
- 834 Comparison of Parathyroid Imaging with Technetium-99m-Per technetate/Sestamibi Subtraction, Double-Phase Technetium-99m-Sestamibi and Technetium-99-Sestamibi SPECT**  
*Charles C. Chen, Lawrence E. Holder, William A. Scovill, Ann M. Tehan and Donald S. Gann*
- 840 Editorial: Radionuclide Parathyroid Imaging**  
*Michael J. O'Doherty*
- 842 PET Imaging of Brain Tumor with [*methyl*-<sup>11</sup>C] Choline**  
*Toshihiko Hara, Noboru Kosaka, Nobusada Shinoura and Tatsuya Kondo*
- 847 Comparison of Copper-67- and Iodine-125-Labeled Anti-CEA Monoclonal Antibody Biodistribution in Patients with Colorectal Tumors**  
*Angelika Bischof Delaloye, Bernard Delaloye, Franz Buchegger, Charles-André Vogel, Michel Gillet, Jean-Pierre Mach, Alan Smith and P. August Schubiger*
- 853 Clinical Impact of Somatostatin Receptor Scintigraphy in the Management of Patients with Neuroendocrine Gastroenteropancreatic Tumors**  
*Rachida Lebtahi, Guillaume Cadiot, Laure Sarda, Doumit Daou, Marc Faraggi, Yolande Petegnief, Michel Mignon and Dominique Le Guludec*
- 858 Phase III Clinical Radioimmunotherapy with an Iodine-131-Labeled Anti-Carcinoembryonic Antigen Murine Monoclonal Antibody IgG**  
*Thomas M. Behr, Robert M. Sharkey, Malik E. Juweid, Robert M. Dunn, Rae C. Vagg, Zhiliang Ying, Cun-H. Zhang, Lawrence C. Swayne, Yehuda Vardi, Jeffrey A. Siegel and David M. Goldenberg*
- 870 Visualizing Ocular Melanoma Using Iodine-123-N-(2-Diethylaminoethyl) 4-Iodobenzamide SPECT**  
*Hendrik Everaert, Axel Bossuyt, Patrick Flamen, John Mertens and Philippe R. Franken*

- 873 Thallium-201 SPECT in the Diagnosis of Head and Neck Cancer**  
*Renato A. Valdés-Olmos, Alfons J.M. Balm, Frans J.M. Hilgers, Wim Koops, Barbara M. Loftus, I. Bing Tan, Sara H. Muller, Cornelis A. Hoefnagel and Reinhold T. Gregor*
- 880 Vasoactive Intestinal Peptide and Somatostatin Receptor Scintigraphy for Differential Diagnosis of Hepatic Carcinoid Metastasis**  
*Amir Kurtaran, Markus Raderer, Christian Müller, Rupert Prokesch, Klaus Kaserer, Klemens Eibenberger, Katharina Koperna, Bruno Niederle and Irene Virgolini*
- 882 Perfusion and Blood-Pool Scintigraphy in the Evaluation of Head and Neck Hemangiomas**  
*Yuji Murata, Ichiro Yamada, Isao Umehara, Yoshimasa Ishii and Norihiko Okada*
- 886 Somatostatin Receptor Scintigraphy of Malignant Somatostatinoma with Indium-111-Pentetreotide**  
*Orazio Schillaci, Bruno Annibale, Francesco Scopinaro, Gianfranco Delle Fave and Antonio Centi Colella*
- 888 False-Positive FDG-PET Imaging of the Thymus of a Child with Hodgkin's Disease**  
*Mark E. Weinblatt, Italo Zanzi, Abdelfathie Belakhlef, Barry Babchayck and Joseph Kochen*
- 890 Scintigraphic Monitoring of Reticuloendothelial System in Patients with Type 1 Gaucher Disease on Enzyme Replacement Therapy**  
*Mordechai Lorberboym, Gregory M. Pastores, Chun K. Kim, George Hermann, Neville Glajchen and Josef Machac*
- 895 Extracorporeal Whole-Blood Immunoadsorption Enhances Radloimmunotargeting of Iodine-125-Labeled BR96-Biotin Monoclonal Antibody**  
*Michael Garkavij, Jan Tennvall, Sven-Erik Strand, Hans-Olov Sjögren, Chen JianQing, Rune Nilsson and Martin Isaksson*
- 901 Rapid Imaging of Experimental Infection with Technetium-99m-DTPA After Anti-DTPA Monoclonal Antibody Priming**  
*Marion H.G.C. Kranenborg, Wim J.G. Oyen, Frans H.M. Corstens, Egbert Oosterwijk, Jos W.M. van der Meer and Otto C. Boerman*
- 907 In Vivo Hybridization of Technetium-99m-Labeled Peptide Nucleic Acid (PNA)**  
*G. Mardirossian, K. Lei, M. Ruscowski, F. Chang, T. Qu, M. Egholm and D.J. Hnatowich*

## NUCLEAR NEUROLOGY

- 914 MRI-Guided SPECT Measurements of Medial Temporal Lobe Blood Flow in Alzheimer's Disease**  
*Per Julin, Johan Lindqvist, Leif Svensson, Piotr Slomka and Lars Olof Wahlund*
- 919 Comparative Quantitation of Cerebral Blood Volume: SPECT Versus PET**  
*Andrei Vlasenko, Marie-Christine Petit-Taboué, Gerard Bouvard, Rémy Morello and Jean-Michel Derlon*
- 925 Reduction of Cerebellar Glucose Metabolism in Advanced Alzheimer's Disease**  
*Kazunari Ishii, Masahiro Sasaki, Hajime Kitagaki, Shigeru Yamaji, Setsu Sakamoto, Kant Matsuda and Etsuro Mori*
- 929 Discriminative Use of SPECT in Frontal Lobe-Type Dementia Versus (Senile) Dementia of the Alzheimer's Type**  
*Barbara A. Pickut, Jos Saerens, Peter Mariën, Fons Borggreve, Johan Goeman, Johan Vandevivere, An Vevaet, Rudi Dierckx and Peter P. De Deyn*
- 934 Imaging Beta-Adrenoceptors in the Human Brain with (S)-1'-[<sup>18</sup>F]Fluorocarazolol**  
*Aren van Waarde, Ton J. Visser, Philip H. Elsinga, Bauke M. de Jong, Thom W. van der Mark, Jan Kraan, Kees Ensing, Jan Pruim, Antoon T.M. Willemsen, Otto-Erich Brodde, Gerben M. Visser, Anne M.J. Paans and Willem Vaalburg*

- 939 Cerebral Sparganosis: Increased Uptake of Technetium-99m-HMPAO**  
*Dong-Ling You, Kai-Yuan Tzen, Pan-Fu Kao, Yat-Sen Ho and Chun-Che Chu*

### NUCLEAR CARDIOLOGY

- 942 Right and Left Ventricular Volume and Ejection Fraction by Tomographic Gated Blood-Pool Scintigraphy**  
*Bennett B. Chin, Daniel C. Bloomgarden, Weishi Xia, Hee-Joung Kim, Zahi A. Fayad, Victor A. Ferrari, Jesse A. Berlin, Leon Axel and Abass Alavi*
- 948 Ambulatory Monitoring of Left Ventricular Function: Walk and Bicycle Exercise in Congestive Heart Failure**  
*Antonio Nappi, Alberto Cuocolo, Massimo Imbriaco, Emanuele Nicolai, Andrea Varrone, Carmine Morisco, Massimo Romano, Bruno Trimarco and Marco Salvatore*
- 954 Alterations of Myocardial Sympathetic Innervation in Response to Hypoxia**  
*Marielle Scherrer-Crosbie, Karine Mardon, Jérôme Cayla, André Syrota and Pascal Merlet*
- 958 Quantification of Left Ventricular Function with Thallium-201 and Technetium-99m-Sestamibi Myocardial Gated SPECT**  
*Christophe Maunoury, Charles C. Chen, Kian B. Chua and Craig J. Thompson*

### GENERAL NUCLEAR MEDICINE

- 962 Pulmonary Perfusion and Density Gradients in Healthy Volunteers**  
*Helén M. Almquist, John Palmer, Björn Jonson and P. Wollmer*
- 966 Impaired Permeability in Radiation-Induced Lung Injury Detected by Technetium-99m-DTPA Lung Clearance**  
*Herbert Suskind, David A. Weber, Yat Hong Lau, Tae L. Park, Harold L. Atkins, Dinko Franceschi, Allen G. Meek, Marija Ivanovic and Lucian Wielopolski*
- 972 Chronic Extertorial Compartment Syndrome in Lower Legs: Localization and Follow-up with Thallium-201 SPECT Imaging**  
*Shigeo Takebayashi, Haruo Takazawa, Ryosuke Sasaki, Hideyuki Miki, Ryotaku Soh and Junichi Nishimura*
- 977 Feasibility of a Rapid Method to Evaluate Platelet Survival Time**  
*Alberto Baroli, Marco Brambilla, Giuseppina Antonini, Laura Ciardi, Giorgio Bordin, Gianni Cardani, Marco Rudoni, Gianmauro Sacchetti and Eugenio Inglese*
- 980 Lung Perfusion Scans and Hemodynamics in Acute and Chronic Pulmonary Embolism**  
*Réza Azarian, Myriam Wartski, Marie-Anne Collignon, Florence Parent, Philippe Hervé, Hervé Sors and Gérard Simonneau*

### CLINICOPATHOLOGIC CONFERENCE

- 984 Radiiodine Uptake in the Chest**  
*Siema M. Bakheet, John Powe and Muhammad M. Hammami*

### PROCEDURE GUIDELINES

- 987 Procedure Guideline for Technetium-99m-HMPAO-Labeled Leukocyte Scintigraphy for Suspected Infection/Inflammation**  
*Frederick L. Datz, James E. Seabold, Manuel L. Brown, Lee A. Forstrom, Bennett S. Greenspan, John G. McAfee, Christopher J. Palestro, Donald S. Schauwecker and Henry D. Royal*

## FIRST IMPRESSIONS

What are the intra-thoracic "organs" that take up <sup>99m</sup>Tc-MDP?  
For acquisition information, turn to page 983.



- 990 Procedure Guideline for Gallium Scintigraphy in the Evaluation of Malignant Disease**  
*Stephen P. Bartold, Kevin J. Donohoe, James W. Fletcher, Thomas P. Haynie, Robert E. Henkin, Edward B. Silberstein, Henry D. Royal and Annick Van den Abbeele*
- 994 Procedure Guideline for Gallium Scintigraphy in Inflammation**  
*James E. Seabold, Christopher J. Palestro, Manuel L. Brown, Frederick L. Datz, Lee A. Forstrom, Bennett S. Greenspan, John G. McAfee, Donald S. Schauwecker and Henry D. Royal*
- 997 Procedure Guideline for Indium-111-Leukocyte Scintigraphy for Suspected Infection/Inflammation**  
*James E. Seabold, Lee A. Forstrom, Donald S. Schauwecker, Manuel L. Brown, Frederick L. Datz, John G. McAfee, Christopher J. Palestro and Henry D. Royal*

### DEPARTMENTS

- 1002 Letters to the Editor**
- 33A Calendar**
- 35A Classified Advertising**
- 36A JNM Direct Response**