

JNM



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SNM NEWSLINE

- 15N The Future Supply of Molybdenum-99**
J. Rojas-Burke
- 24N Status Report on the 104th Congress**
Deborah Kotz
- 28N A Stronger Voice to Influence Changes**
Robert Wagner, MD
- 30N SNM Sourceline**
Stacey Silver
- 35N News Briefs**

INTRODUCTION

- 1933 Cardiovascular Nuclear Medicine 1995: II**
Stanley J. Goldsmith

HUMAN STUDIES

- 1934 Utility of Iodine-123-BMIPP in the Diagnosis and Follow-up of Vasospastic Angina**
Kenichi Nakajima, Kuniyoshi Shimizu, Junichi Taki, Yoshihisa Uetani, Shota Konishi, Norihisa Tonami and Kinichi Hisada
- 1941 Motion Correction in Exercise First-Pass Radionuclide Ventriculography without an External Point Source**
Shinsuke Yano, Nagara Tamaki, Toru Fujita, Seishi Shirakawa, Norio Takahashi, Takashi Kudoh, Naoya Hattori, Yoshiharu Yonekura and Junji Konishi
- 1945 Enhanced Detection of Viable Myocardium by Technetium-99m-MIBI Imaging after Nitrate Administration in Chronic Coronary Artery Disease**
Simone Maurea, Alberto Cuocolo, Andrea Soricelli, Luisa Castelli, Antonio Nappi, Fiorenzo Squame, Massimo Imbriaco, Bruno Trimarco and Marco Salvatore
- 1953 Myocardial Viability Index in Chronic Coronary Artery Disease: Technetium-99m-Methoxy Isobutyl Isonitrile Redistribution**
Simone Maurea, Alberto Cuocolo, Andrea Soricelli, Luisa Castelli, Fiorenzo Squame, Massimo Imbriaco, Nicola De Luca, Bruno Trimarco and Marco Salvatore
- 1961 Myocardial Viability Assessment with Technetium-99m-Tetrofosmin and Thallium-201 Reinjection in Coronary Artery Disease**
Ichiro Matsunari, Susumu Fujino, Junichi Taki, Junji Senma, Takahiko Aoyama, Takanobu Wakasugi, Jun-ichi Hirai, Takashi Saga, Kenji Ichiyonagi and Kinichi Hisada
- 1968 Reverse Redistribution in Resting Thallium-201 Myocardial Scintigraphy in Chronic Coronary Artery Disease: An Index of Myocardial Viability**
Leonardo Pace, Alberto Cuocolo, Paolo Marzullo, Emanuele Nicolai, Alessia Gimelli, Nicola De Luca, Bruno Ricciardelli and Marco Salvatore

- 1974 Decreased Uptake of Iodinated Branched Fatty Acid Analog Indicates Metabolic Alterations in Ischemic Myocardium**

Nagara Tamaki, Eiji Tadamura, Masahide Kawamoto, Yasuhiro Magata, Yoshiharu Yonekura, Yasuhisa Fujibayashi, Ryuji Nohara, Shigetake Sasayama and Junji Konishi

- 1981 Myocardial Oxidative Metabolism in Hyperthyroid Patients Assessed by PET with Carbon-11-Acetate**

Tatsuo Torizuka, Nagara Tamaki, Kanji Kasagi, Takashi Misaki, Masahide Kawamoto, Eiji Tadamura, Yasuhiro Magata, Yoshiharu Yonekura, Toru Mori and Junji Konishi

- 1987 Prediction of Improvement in Left Ventricular Function with Iodine-123-IPPA after Coronary Revascularization**

Christopher L. Hansen, Jaekyeong Heo, Craig Oliner, William Van Decker and Abdulmassih S. Iskandrian

- 1994 Technetium-99m-Sestamibi Imaging with Nitrate Infusion to Detect Viable Hibernating Myocardium and Predict Postrevascularization Recovery**

Gianni Bisi, Roberto Sciagrà, Giovanni M. Santoro, Vania Rossi and Pier Filippo Fazzini

- 2001 Preventing Patient Motion during Tomographic Myocardial Perfusion Imaging**

Jeffrey A. Cooper and Brian K. McCandless

- 2006 Pulmonary Perfusion after Endovascular Stenting of Pulmonary Artery Stenosis**

Wim J.G. Oyen, Anton M. van Oort, Ronald B. Tanke, Gert-Jan van Mill, Wim R.M. Aengevaeren and Frans H.M. Corstens

- 2009 Technetium-99m-Tetrofosmin in Dipyridamole-Stress Myocardial SPECT Imaging: Intraindividual Comparison with Technetium-99m-Sestamibi**

Patrick Flamen, Axel Bossuyt and Philippe R. Franken

- 2016 Effect of Caffeine on Myocardial Blood Flow at Rest and During Pharmacological Vasodilation**

Morten Böttcher, Johannes Czernin, Karl T. Sun, Michael E. Phelps and Heinrich R. Schelbert

- 2022 Scintigraphic Recording of Blood Volume Shifts**

Giorgio Baccelli, Paolo Pacenti, Sergio Terrani, Mario Checchini, Gianfranco Riglietti, Francesco Prestipino, Ezio Omboni, Franco Sardella, Michele Catalano and Zita Malacarne

- 2032 Effect of Aging on Myocardial Perfusion Reserve**

Neal G. Uren, Paolo G. Camici, Jacques A. Melin, Anne Bol, Bernard de Bruyne, Johannes Radvan, Jacopo Olivetto, Stuart D. Rosen, Mario Impallomeni and William Wijns

- 2037 Enhanced Cardiac Clearance of Iodine-123-MIBG in Chronic Renal Failure**

Chinori Kurata, Yasushi Wakabayashi, Sakae Shouda, Kenichi Okayama, Tatsuo Yamamoto, Akira Ishikawa, Kazuo Suzuki, Tamie Ishizuka, Shinji Sakamoto and Kei Tawarahara

- 2044 Indium-111-Antimyosin and Iodine-123-MIBG Studies in Early Assessment of Doxorubicin Cardiotoxicity**

Ignasi Carrió, Montserrat Estorch, Lluís Berná, José López-Pousa, José Tabernero and Gustavo Torres

CASE REPORTS

- 2050 Detection of Perioperative Coronary Vasospasm on Iodine-123-MIBG, Thallium-201 and Iodine-123-BMIPP Myocardial SPECT Images**

Koji Kodama, Michiya Igase, Yukio Kazatani, Keisuke Matsuzaki, Eiki Murakami and Tatsuo Kokubu

2053 Reverse Redistribution on Dynamic Exercise and Dipyridamole Stress Technetium-99m-MIBI Myocardial SPECT

Wei-Jen Shih, Kevin Miller, Vickie Stipp and Sylvia Mazour

2056 Metabolic Mismatch of Septal Beta-Oxidation and Glucose Utilization in Left Bundle Branch Block Assessed with PET

Carsten Altehoefer, Jürgen vom Dahl, Roland Bares, Gerhard L. Stöcklin and Udalrich Büll

2060 Atrophic Nerve Fibers in Regions of Reduced MIBG Uptake in Doxorubicin Cardiomyopathy

Hajime Takano, Hideyuki Ozawa, Isao Kobayashi, Satomi Hamaoka, Atzuko Nakajima, Takamichi Nakamura, Akitaka Naitoh, Kiyoshi Koizumi and Kohji Tamura

LABORATORY STUDIES

2062 Effect of Monounsaturations of A Branched Fatty Acid on Organ Selectivity

John Zaknun, David R. Elmaleh, Ji-Hua Guan and Alan J. Fischman

2069 Assessment of Adrenergic Neuron Function Altered with Progression of Heart Failure

Shigetoshi Wakasugi, Minoru Inoue and Syusaku Tazawa

2075 Subcellular Distribution of Technetium-99m-N-NOEt in Rat Myocardium

Licia Uccelli, Melchiorre Giganti, Adriano Duatti, Cristina Bolzati, Roberto Pasqualini, Corrado Cittanti, Paolo Colamussi and Adriano Piffanelli

2080 Effects of Scatter Correction on the Measurements of Infarct Size from SPECT Cardiac Phantom Studies

Michael K. O'Connor, Carlo Caiati, Timothy F. Christian and Raymond J. Gibbons

2087 Quantification of Myocardial Blood Flow Using Dynamic Nitrogen-13-Ammonia PET Studies and Factor Analysis of Dynamic Structures

Hsiao-Ming Wu, Carl K. Hoh, Denis B. Buxton, William G. Kuhle, Heinrich R. Schelbert, Yong Choi, Randall A. Hawkins, Michael E. Phelps and Sung-Cheng Huang

2094 Simplified PET Quantitation of Myocardial Glucose Utilization

Keiichi Nakagawa, Hiroki Namba, Masaomi Iyo, Kiyoshi Fukushi, Toshiaki Irie, Masato Yamanouchi, Nobuaki Shikama, Toshiharu Himi, Katsuya Yoshida and Yoshiaki Masuda

2103 Effects of No Flow and Reperfusion on Technetium-99m-Q12 Kinetics

Robert D. Okada, Kiem N. Nguyen, Michael Lauinger, Iantha L. Allton, Kristy Spreitzer, Delia Beju and Gerald Johnson III

METHODOLOGY

2110 Rest Myocardial Perfusion/Metabolism Imaging Using Simultaneous Dual-Isotope Acquisition SPECT with Technetium-99m-MIBI/Fluorine-18-FDG

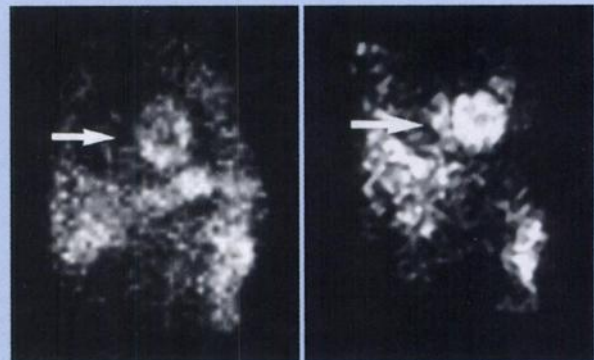
Dominique Delbeke, Searle Videlefsky, James A. Patton, Michelle G. Campbell, William H. Martin, Israel Ohana and Martin P. Sandler

2120 Three-Dimensional Demarcation of Perfusion Zones Corresponding to Specific Coronary Arteries: Application for Automated Interpretation of Myocardial SPECT

Piotr J. Slomka, Gilbert A. Hurwitz, Grace St. Clement and Janice Stephenson

FIRST IMPRESSIONS

Anterior view from SPECT analog acquisition of stress thallium-201 perfusion studies in two patients (left, 48-yr-old man; right, 50-yr-old woman). What are the causes of the pericardial photopenia seen in each patient? For acquisition information, turn to page 2005.



2127 Operator-less Processing of Myocardial Perfusion SPECT Studies

Guido Germano, Paul B. Kavanagh, Johnny Chen, Parker Waechter, Hsiao-Te Su, Hosen Kiat and Daniel S. Berman

CRITICAL REVIEW

2133 Cardiac Studies with Metalodobenzylguanidine: A Critique of Methods and Interpretation of Results

Jerry V. Glowinski

COMPUTER SIMULATION

2138 Automatic Quantification of Ejection Fraction from Gated Myocardial Perfusion SPECT

Guido Germano, Hosen Kiat, Paul B. Kavanagh, Mady Moriel, Marco Mazzanti, Hsiao-Te Su, Kenneth F. Van Train and Daniel S. Berman

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