

JNM



Official Publication of
The Society of Nuclear Medicine

SNM NEWSLINE

- 15N Forum: The Future of Nuclear Medicine**
- 24N Engaging Physicians in the Campaign Against Animal Activists**
J. Rojas-Burke
- 33N SNM Annual Meeting Preview: Los Angeles, California, June 9-12**
- 34N Mathew Thakur Receives Aeborsold Award**
- 37N News Briefs: In Federal Court: Nuclear Physician's Case Against NRC's QM Rule; US Supreme Court Hears Case Against Radioactive Waste Act**

HUMAN STUDIES

- 633 Evaluation of the Skeletal Kinetics of Fluorine-18-Fluoride Ion with PET**
Randall A. Hawkins, Yong Choi, Sung-Cheng Huang, Carl K. Hoh, Magnus Dahlbom, Christiaan Schiepers, Nagichettiar Satyamurthy, Jorge R. Barrio, and Michael E. Phelps
- 643 Gastric Uptake of Gallium-67 in AIDS**
Nayer Nikpoor, David E. Drum, and Piran Aliabadi
- 646 Pharmacokinetics of Rhenium-186 After Administration of Rhenium-186 HEDP to Patients with Bone Metastases**
J.M.H. de Klerk, A. van Dijk, A.D. van het Schip, B.A. Zonnenberg, and P.P. van Rijk
- 652 Somatostatin Receptor Scintigraphy with Indium-111-DTPA-D-Phe-1-Octreotide in Man: Metabolism, Dosimetry and Comparison with Iodine-123-Tyr-3-Octreotide**
E.P. Krenning, W.H. Bakker, P.P.M. Kooij, W.A.P. Breeman, H.Y. Oei, M. De Jong, J.C. Reubi, T.J. Visser, C. Bruns, D.J. Kwakkeboom, A.E.M. Reijs, P.M. van Hagen, J.W. Koper, and S.W.J. Lamberts
- 659 Regional Metabolic Abnormality in Relation to Perfusion and Wall Motion in Patients with Myocardial Infarction: Assessment with Emission Tomography Using an Iodinated Branched Fatty Acid Analog**
Nagara Tamaki, Masahide Kawamoto, Yoshiharu Yonekura, Yasuhisa Fujibayashi, Norio Takahashi, Junji Konishi, Ryuji Nohara, Hirofumi Kambara, Chuichi Kawai, Katsuji Ikekubo, and Hiroshi Kato

- 668 Blinded Evaluation of Planar Technetium-99m-Sestamibi Myocardial Perfusion Studies**
Denny D. Watson, William H. Smith, George A. Beller, Ellen L. Vinson, and Raymond Taillefer
- 676 The Anatomy of Radioisotope Lung Scanning**
Nicholas W. Morrell, C. Michael Roberts, Barbara E. Jones, Kuldip S. Nijran, Tony Biggs, and W. Anthony Seed
- 684 The Kinetics of Copper-61-PTSM in the Normal Human Heart**
Rob S.B. Beanlands, Otto Muzik, Mark Mintun, Thomas Mangner, Kien Lee, Neil Petry, Gary D. Hutchins, and Markus Schwaiger
- 691 Carbon-11-Methionine and PET Is an Effective Method To Image Head and Neck Cancer**
S. Leskinen-Kallio, K. Nægren, P. Lehtikoinen, U. Ruotsalainen, M. Teräs, and H. Joensuu
- 696 Changes in Regional Cerebral Blood Flow During Brain Maturation in Children and Adolescents**
Catherine Chiron, Claude Raynaud, Bernard Mazière, M. Zilbovicius, Louis Laflamme, Marie-Cécile Masure, Olivier Dulac, Michel Bourguignon, and André Syrota
- 704 Cerebral Perfusion in Progressive Supranuclear Palsy**
Keith A. Johnson, Reisa A. Sperling, B. Leonard Holman, J. Steven Nagel, and John H. Growdon

LABORATORY STUDIES

- 710 Preparation and Preliminary Evaluation of Technetium-99m-Labeled Fragment E₁ for Thrombus Imaging**
Linda C. Knight, Michael J. Abrams, David A. Schwartz, Marquerite M. Hauser, Monica Kollman, Forrest E. Gaul, Donald A. Rauh, and Alan H. Maurer
- 716 Evaluation of Metalodobenzylguanidine Heart and Lung Extraction Fraction by First-Pass Analysis in Pigs**
Jerry V. Glowniak, Richard A. Wilson, Mary E. Joyce, and Frederick E. Turner
- 724 Fluorine-18-Labeled Androgens: Radiochemical Synthesis and Tissue Distribution Studies on Six Fluorine-Substituted Androgens, Potential Imaging Agents for Prostatic Cancer**
Aijun Liu, Carmen S. Dence, Michael J. Welch, and John A. Katzenellenbogen
- 735 Three-Dimensional Tumor Dosimetry for Hepatic Yttrium-90-Microsphere Therapy**
P.L. Roberson, R.K. ten Haken, D.L. McShan, P.E. McKeever, and W.D. Ensminger
- 739 Renal Function Response to Captopril During Diuretic Therapy**
Hyo Bok Lee and M. Donald Blaufox

CASE REPORTS

- 744 Course Before and After Treatment of a Patient with Budd-Chiari Syndrome Monitored by Iodine-123-Iodoamphetamine Scintigraphy per Os and per Rectum**
Susumu Shiomi, Tetsuo Kuroki, Yuko Takashima, Kyoko Masaki, Isato Jomura, Tadashi Ueda, Naoko Ikeoka, Kenzo Kobayashi, and Hironobu Ochi
- 748 Skeletal Nonvisualization in a Bone Scan Secondary to Intravenous Etidronate Therapy**
Steven H. Hommeyer, Dawn M. Varney, and Janet F. Eary

CLINICOPATHOLOGIC CONFERENCES

- 751 Gallium-67-Citrate Scanning in the Assessment of Disease Activity in Sarcoidosis**
Harold I. Palevsky and Abass Alavi

METHODOLOGY

- 756 Indium-111 Whole-Body Retention: A Method for Quantification of Disease Activity in Inflammatory Bowel Disease**
Marta Carpani de Kaski, A. Michael Peters, Deborah Knight, Alan W.J. Stuttle, J. Peter Lavender, and Humphrey J. Hodgson
- 763 Four Radionuclide Methods for Left Ventricular Volume Determination: Comparison of a Manual and an Automated Technique**
Wayne C. Levy, Manuel D. Cerqueira, Dale T. Matsuoka, George D. Harp, Florence H. Sheehan, and John R. Stratton
- 771 A Method for Imaging Therapeutic Doses of Iodine-131 with a Clinical Gamma Camera**
Kenneth R. Pollard, Alden N. Bice, Janet F. Eary, Lawrence D. Durack, and Thomas K. Lewellen

MIRD REPORTS

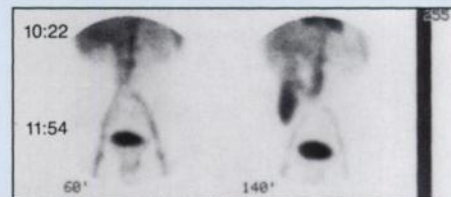
- 777 MIRD DOSE Estimate Report No. 15: Radiation Absorbed Dose Estimates for Radioindium-Labeled Autologous Platelets**
J.S. Robertson, M.D. Ezekowitz, M.K. Dewanjee, M.G. Lötter, and E. Watson
- 781 Editorial: The MIRD Approach: Remembering the Limitations**
Amin I. Kassis
- 783 MIRD Pamphlet No. 14: A Dynamic Urinary Bladder Model for Radiation Dose Calculations**
Stephen R. Thomas, Michael G. Stabin, Chin-Tu Chen, and R.C. Samaratinga

CONTINUING EDUCATION

- 803 Radioimmunodetection in Cancer Identification**
David M. Goldenberg and Steven M. Larson

FIRST IMPRESSIONS

Where is the site of the GI bleed?
For acquisition information, turn to page 675.



EDITORIAL

- 815 Thallium-201 and Technetium-99m-Sestamibi for Assessing Viable Myocardium**
Robert O. Bonow and Vasken Dilsizian

DEPARTMENTS

- 642 Self-Study Test**
- Book Reviews**
- 819 NCRP Report No. 110. Some Aspects of Strontium Radiobiology**
Reviewed by Evelyn E. Watson
- 819 Guidelines for the Evaluation of Radiologic Technologies. BIR Working Party Report**
Reviewed by Warren Phillips
- 819 Textbook of Radiopharmacy Theory and Practice**
Reviewed by Ronald J. Callahan
- 820 Imaging of the Thyroid and Parathyroid Glands**
Reviewed by Merrill C. Johnson
- 820 The Safe Use of Diagnostic Ultrasound**
- 820 Medical Radiation Protection Practice Within the EEC**
- 821 The Future of Human Radiation Research**
- 821 ICRP Publication 60. 1990 Recommendations of the International Commission on Radiological Protection**
Reviewed by James A. Scott
- 822 Books Received**
- 822 Information for Authors**
- 42A Calendar**
- 46A New Products**
- 49A Classified Advertising**
- 57A JNM Direct Response**