

CLINICAL SCIENCES

DIAGNOSTIC NUCLEAR MEDICINE

Tomoscintigraphic Assessment of Myocardial Metabolic Heterogeneity
 Helmuth Roesler, Tino Hess, Matthias Weiss, Ulrich Noelpp, Gerhard Mueller, Friedrich Hoeflin, and Jane Kinser 285

Arterial Perfusion with Tc-99m Macroaggregated Albumin (MAAAP) in Monitoring Intra-Arterial Chemotherapy of Sarcomas
 H. M. Kantarjian, A. G. Bledin, E. E. Kim, B. M. Cogan, V. P. Chuang, S. Wallace, and T. P. Haynie ... 297

Evaluation of Peritoneovenous Shunt Patency with Tc-99m Labeled Microspheres
 G. Madeddu, N. G. D'Ovidio, A. R. Casu, R. Mura, C. Costanza, N. Lai, and H. H. LeVeen 302

Scintigraphic Evaluation of Muscle Damage Following Extreme Exercise: Concise Communication
 Philip Matin, Gilbert Lang, Robert Carretta, and Gerald Simon 308

The "Hot Patella" Sign: Is It of Any Clinical Significance? Concise Communication
 Ignac Fogelman, James H. McKillop, and Henry W. Gray 312

INVESTIGATIVE NUCLEAR MEDICINE

Improved Radioimaging and Tumor Localization with Monoclonal F(ab')₂
 Richard L. Wahl, Charles W. Parker, and Gordon W. Philpott 316

C-11-Labeled Glucose and its Utilization in Positron-Emission Tomography
 Erling Ehrin, Sharon Stone-Elander, J. Lars G. Nilsson, Mats Bergström, Gunnar Blomqvist, Tom Brismar, Lars Eriksson, Torgny Greitz, Per Erik Jansson, Jan-Erik Litton, Petter Malmberg, Magnus af Ugglas, and Lennart Widén 326

CASE REPORT

Rupture of a Spontaneous Aortoduodenal Fistula Visualized with Tc-RBC Scintigraphy
 Chi-Kwan Yen, Myron Pollycove, Howard Parker, and Gail Nalls 332

BASIC SCIENCES

INSTRUMENTATION

Computer Analysis of Tc-99m DPD and Tc-99m MDP Kinetics in Human: Concise Communication
 Marino Mele, Elio Conte, Angelo Fratello, Domenico Pasculli, Maria Pieralice, and Angelo D' Addabbo 334

MIRD DOSE ESTIMATE REPORT NO. 11

Radiation Absorbed Doses from Iron-52, Iron-55, and Iron-59 Used to Study Ferrokinetics
 J. S. Robertson, R. R. Price, T. F. Budinger, V. F. Fairbanks, and M. Pollycove 339

PRELIMINARY NOTE

A New Cd-115 → In-115m Radionuclide Generator
 Gary J. Ehrhardt, Wynn Volkert, William F. Goeckeler, and Donald N. Kapsch 349

TECHNICAL NOTES

The Investigation of Radiopharmaceutical Components by Fast Atom Bombardment Mass Spectrometry: The Identification of Tc-HIDA and the Epimers of Tc-CO₂DADS
 Catherine E. Costello, James W. Brodack, Alun G. Jones, Alan Davison, Denis Lee Johnson, Sudhakar Kasina, and Alan R. Fritzberg 353

Count-Rate Variations with Orientation of Camera Detector
 S. M. Jahangir, A. B. Brill, Y. J. C. Bizais, and R. W. Rowe 356

TEACHING EDITORIAL

Tumor Imaging with Monoclonal Antibodies
 David M. Goldenberg 360

STATISTICS

Statistics for Nuclear Medicine Part 4: Regression
 Peter C. O'Brien, Marc A. Shampo, and James S. Robertson 363

LETTERS TO THE EDITOR

Re: In Vivo Methods for Measuring Regional Glucose Metabolic Rate (GIMR)
 Mark H. Selikson 366

Reply
 J. C. Baron 367

Reply
 Rodney A. Brooks, Giovanni Di Chiro and Nicholas J. Patronas 367

Re: Indium-111 Tropolone Versus Oxine
 R. J. Hawker, Carolyn E. Hall, and Bridget K. Gunson 367

Reply
 Mrinal K. Dewanjee 368

Re: Cardiac Lymphoscintigraphy Following Closed-Chest Catheter Injection of Radiolabeled Colloid Into the Myocardium of Dogs: Concise Communication
 Güneş N. Ege 369

Reply
 Mary Osbakken, Susan Kapiwoda, Frank P. Castronovo, and H. William Strauss 369

Re: Lymphoscintigraphy with Tc-99m Labeled Dextran
 Güneş N. Ege 370

Reply
 Eberhard Henze, H. R. Schelbert, J. D. Collins, A. Najafi, J. R. Barrio, and L. R. Bennett 370

Re: Teaching Editorial. Potential for Lymphoscintigraphy	
Güneş N. Ege	371
Reply	
H. J. Dworkin	371
BOOK REVIEWS	
Handbook of Radiation Measurements and Protection	
Reviewed by J. Lawrence Beach	373
Radionuclide Brain Imaging	
Reviewed by John B. Selby	373
Quality Control and Data Analysis in Binder-Ligand Assay	
Reviewed by Kristin A. Alyea and Lynn R. Witherspoon	373
Critical Diagnostic Pathways in Radiology: An Algorithmic Approach	
Reviewed by Everett M. Lautin and Leonard M. Freeman	374
The Control of Exposure of the Public to Ionizing Radiation in the Event of Accident or Attack	
Reviewed by J. Lawrence Beach	374
ABSTRACTS OF CURRENT LITERATURE	376
INFORMATION FOR AUTHORS	381
CALENDAR	382, 34A
PLACEMENT	41A, 42A, 43A