S. N. M. E. W. N. S. L. I. N. E.

Marshall Brucer Still Full of Acerb Wit 30 Years
After Serving as SNM President; Outspoken Physician
Continues Fight Against Societal Radiation Phobia

Linda E. Ketchum .......................................................... 1645

Nuclear Medicine as a Practical Medical Science

Marshall Brucer ........................................................... 1647

SNM Board of Trusteesadopts Statement on Credentialing
and Delineation of Privileges; SNM Urges US Congress to
Require Peer Review for Research Grants ...................... 1651

SNM Technologist Section Names Barbara Horton
as Distinguished Honoré; National Council
Holds Strategic Planning Session .......................... 1652

NRC Removes Nuclear Physicians from Hospital Licenses
for Falsifying Records; NRC Proposes New Rules for
Quality Assurance, Training, and Experience

Linda E. Ketchum .......................................................... 1653

California Researchers Escape Criminal Charges
for Radiation Safety Violations .................................. 1655

News Briefs: OHTA Advises HCFA to Deny Medicare Coverage
for SPA and DPA Bone Mineral Studies; SNM Instrumentation
Council Promotes Use of Electronic Mail ..................... 1656

C. L. I. N. I. C. A. L S. C. I. E. N. C. E. S.

Initial Experience with Technetium-99m
HM-PAO Brain SPECT

I. Podreka, E. Suess, G. Goldenberg, M. Steiner, T. Brücke, Ch. Müller,
W. Lang, R.D. Neirinckx, and I. Deceke ................................ 1657

Cerebellar Glucose Consumption in Normal
and Pathologic States

Michael Kushner, Michael Tobin, Abass Alavi, 
John Chawltr, Mitchell Rosen, Franz Fazekas, 
Jane Alavi, and Martin Reivich ...................................... 1667

Acute Myocardial Infarct Imaging
with Indium-III-Labeled Monoclonal
Antimyosin Fab

Ban An Khaw, Tsunehiro Yasuda, Herman K. Gold, Robert C. Leinbach, 
Jennifer A. Johns, Michio Kanke, Martha Barlai-Kovach, 
H. William Strauss, and Edgar Haber ............................ 1671

Prognostic Value and Pathophysiologic Significance of
the Rim Sign in Cholescintigraphy

Gregory K. Meekin, Harvey A. Zissman, and R. Scott Klappenbach .... 1679

Hepatic Hemangiomas:
Evaluation by Magnetic Resonance Imaging and
Technetium-99m Red Blood Cell Scintigraphy

Richard K.J. Brown, Antoinette Gomes, William King, 
Elizabeth Pusey, Juan Lois, Leonard Goldstein, 
Ronald W. Busuttil, and Randall A. Hawkins ...................... 1683

SPECT Imaging of Para-Axial Neurofibromatosis
with Technetium-99m DTPA

Gerald A. Mandell, H. Theodore Harcke, Colleen Sharkey, 
Kevin M. Brooks, and G. Dean MacEwen ................................ 1688
BASIC SCIENCES

Examination of Assumptions for Local Cerebral Blood Flow Studies in PET
  Robert A. Koeppe, Gary D. Hutchins, Jill M. Rothley, and Richard D. Hichwa .......................................................... 1695

Measurements of Pulmonary Vascular Permeability with PET and Gallium-68 Transferrin
  Mark A. Mintun, Darrell R. Dennis, Michael J. Welch, Carla J. Mathias, and Daniel P. Schuster ........................................... 1704

Treatment of Axial Data in Three-Dimensional PET
  Margaret E. Daube-Witherspoon and Gerd Muehllehner .................................................. 1717

Quantification of Left-Ventricular Regional Dyssnergy by Radionuclide Angiography
  Mark R. Starling, Richard A. Walsh, John C. Lasher, Jack L. Lancaster, and Ralph Blumhardt .................. 1725

Kinetics of Interstitially Administered Monoclonal Antibodies for Purposes of Lymphoscintigraphy
  Richard L. Wahl, Onelio Geatti, Monica Liebert, Barry Wilson, Paul Shreve, and Barbara A. Beers ........................................ 1736

Radiation Dosimetry of Iodine-123 HEAT, an Alpha-1 Receptor Imaging Agent
  Kathleen D. Thomas, David M. Greer, Margaret W. Couch, and Clyde M. Williams ......................... 1745

Technical Notes

Errors in Longitudinal Measurements of Bone Mineral: Effect of Source Strength in Single and Dual Photon Absorptiometry
  William L. Dunn, Stephen H. Kan, and Heinz W. Wahner .................................................. 1751

Observations with SPECT on the Normal Regional Distribution of Pulmonary Blood Flow in Gravity Independent Planes
  Robert Lisbona, Geoffrey W. Dean, and Tawfic S. Hakim .................................................. 1758

Case Reports

Technetium-99m HM-PAO Brain SPECT in Epileptic Patients Before and During Unilateral Hemispheric Anesthesia (Wada Test):
Report of Three Cases
  H.J. Biersack, D. Linke, F. Brassel, K. Reichmann, M. Kurfthen, H.F. Durwen, B.M. Reuter, J. Wappenschmidt, and H. Stefen ........................................ 1763

Bone Scintigraphic Findings in Patellar Tendonitis
  Daniel Kahn and Michael A. Wilson ........................................................................................................ 1768

Differential Gallbladder Contractility in Fundal Adenomyomatosis: Demonstration by Cholecystokinin Cholescintigraphy
  Lawrence C. Swayne, Diane Heimer, James B. Rubenstein, Alberto Fernandez, and Ghassem Niknejad ........................................... 1771

Sequential Hepatobiliary Scintigraphy Demonstrating Apparent Transient Biliary Obstruction
  Arnold F. Jacobson, Edward B. Cronin, and B. Leonard Holman .................................................. 1775
DEPARTMENTS

Letters to the Editor
Coronary Arterial Disease in Human Diabetics and Nondiabetics: A Comparative Study Using Dipyridamole Thallium Scintigraphy
Masahito Imanishi, Chujiro Kashii, Koichi Kurimoto, Takao Ishimura, Hidenori Kushiro, and Yoshiaki Yamamoto

Adverse Reactions to Technetium-99m Colloids
James A. Ponto

Imaging Metastases of Thyroid Carcinoma
M.A. Taher

Reply
Heikki Joensuu and Aapo Ahonen

Alternative Approach to Estimate Lumped Constant in the Deoxyglucose Model: Simulation and Validation
Attila Kuba

Reply
Y. Lucas Yamamoto and Mirko Diksic

Correction: Mislabling of Figures

Book Reviews

PET and NMR: New Perspective in Neuro Imaging and in Clinical Neurochemistry
Reviewed by James A. Lear

Physics and Engineering of Medical Imaging
Reviewed by Anthony R. Benedetto

Nuclear Pharmacy: An Introduction to the Clinical Application of Radiopharmaceuticals
Reviewed by Gopal Subramanian

Abstracts

Information for Authors
Calendar
Classified Advertising
New Products
Index to Advertisers