

DIAGNOSTIC NUCLEAR MEDICINE

A CLINICAL COMPARISON OF Xe-127 AND Xe-133 FOR VENTILATION STUDIES
H. L. Atkins, H. Susskind, J. F. Klopper, A. N. Ansari, P. Richards, and R. G. Fairchild 653

DYNAMIC MEASUREMENT OF REGIONAL VENTILATION AND PERFUSION OF THE LUNG WITH Xe-133
James E. Wilson III, Lincoln J. Bynum, and Murugappan Ramanathan 660

DIAGNOSIS OF ANGIOTENSINOGENIC HYPERTENSION: THE COMPLEMENTARY ROLES OF RENAL SCINTIGRAPHY AND THE SARALASIN INFUSION TEST
J. G. McAfee, F. D. Thomas, Z. Grossman, D. H. P. Streeten, E. Dailey, and G. Gagne 669

PANCREATIC SCANNING USING RETROGRADE INJECTION OF TECHNETIUM-99m-LABELED COMPOUNDS
Paul F. Varley, Stephen E. Silvis, and Rex B. Shafer 676

MYOCARDIAL IMAGING WITH Tc-99m PYROPHOSPHATE IN PATIENTS ON ADRIAMYCIN TREATMENT FOR NEOPLASIA
Anna K. Chacko, David H. Gordon, John M. Bennett, Robert E. O'Mara, and George A. Wilson 680

NONINVASIVE EXPERIMENTAL DETERMINATION OF THE INDIVIDUAL KIDNEY FILTRATION FRACTION BY MEANS OF A DUAL-TRACER TECHNIQUE
Jacques Assailly, Dan G. Pavel, Cyrille Bader, Jacques Chanard, Thomas W. Ryerson, Jean-Pierre Cotard, and Jean-Louis Funck-Brentano 684

GALLIUM-67 CITRATE IMAGING IN HODGKIN'S DISEASE: FINAL REPORT OF COOPERATIVE GROUP
Gerald S. Johnston, Mae F. Go, Richard S. Benua, Steven M. Larson, Gould A. Andrews, and Karl F. Hubner 692

BONE SCANNING IN OSTEOLYTIC PAGET'S DISEASE: CASE REPORT
James M. Rausch, Donald Resnick, Thomas G. Goergen, and Andrew Taylor 699

PHANTOM KIDNEY IN TECHNETIUM-99m DTPA STUDIES OF RENAL BLOOD FLOW: CASE REPORT
Edwin R. Holmes III, William C. Klingensmith III, Peter T. Kirchner, and Henry N. Wagner, Jr. 702

NASOETHMOIDAL ENCEPHALOMENINGOCELE DEMONSTRATED BY CISTERNOGRAPHY: CASE REPORT
Michael J. Gelfand, Michael Walus, Thomas Tomsick, Corning Benton, and Robert McLaurin .. 706

RADIONUCLIDE ANGIOGRAPHY—BRAIN AND BONE IMAGING IN CRANIOFACIAL FIBROUS DYSPLASIA (CFD): CASE REPORT
P. M. Fitzer 709

RADIOCHEMISTRY AND RADIOPHARMACEUTICALS

THE ASSOCIATION OF Ga-67 AND LACTOFERRIN
Paul B. Hoffer, John Huberty, and Hassan Khayam-Bashi 713

IMAGING OF SPONTANEOUS CANINE TUMORS WITH AMMONIA AND L-GLUTAMINE LABELED WITH N-13
Alan S. Gelbard, Thomas R. Christie, Laurence P. Clarke, and John S. Laughlin 718

COMPARISON OF 19-IODOCHOLESTEROL AND 6-IODOMETHYLNORCHOLESTEROL AS ADRENAL-SCANNING AGENTS
Margaret W. Couch and Clyde M. Williams 724

INSTRUMENTATION AND PHYSICS

AN AUTOMATED CEREBRAL BLOOD FLOW ANALYZER: CONCISE COMMUNICATION
Robert E. Anderson and Thoralf M. Sundt, Jr. 728

THE EFFECT OF WINDOW FRACTION ON THE DEADTIME OF ANGER CAMERAS: CONCISE COMMUNICATION
Robert Wicks and Monte Blau 732

IN VITRO NUCLEAR MEDICINE

THYROID HORMONES AND [¹⁴C] GLUCOSE METABOLISM IN BACTERIA
K. T. Singh, R. D. Ganatra, M. S. Shanta, Y. S. Nimbkar, and B. B. Gaitonde 736

EDITORIAL

THE TISSUE DISTRIBUTION OF GALLIUM RADIONUCLIDES
Raymond L. Hayes 740

LETTERS TO THE EDITOR

THE DIAGNOSIS OF SPLENIC INJURY USING Tc-99m RED BLOOD CELLS
John B. Selby and Nihal S. Gooneratne 743

DETECTION OF PRETHROMBOTIC OR THROMBOTIC STATES
Kenneth Alonso 744

A QUALITATIVE METHOD FOR DETERMINING THE LEVEL OF OXIDANT IN A SOLUTION OF [^{99m}Tc] PERTECHNETATE
M. W. Billinghamurst and S. Rempel 744

STERILIZATION OF TECHNETIUM-99m-LABELED HUMAN SERUM ALBUMIN BY FILTRATION
M. W. Billinghamurst and B. A. Westendorf 746

USING THE S TABLES OF MIRD PAMPHLET 11
Paul A. Feller, Vincent J. Sodd, and James G. Kereiakes 747

AN IMPROVED FORTRAN PROGRAM FOR CALCULATING MODULATION TRANSFER FUNCTIONS
S. R. Amtey and R. K. Tyson 747

REPLY
Martin L. Nusynowitz and Anthony R. Benedetto 748

MYOCARDIAL ANATOMY WITH Tl-201
Marvin Guter, Noel R. Zusmer, and Aldo N. Serafini 748

REPLY
Robert W. Parkey 748

BOOK REVIEWS

NUCLEAR MEDICINE AND ULTRASOUND
Reviewed by John R. Wilcox 750

THE BASIC PHYSICS OF RADIATION THERAPY
Reviewed by Charles W. Coffey 750

COMPUTED BRAIN AND ORBITAL TOMOGRAPHY, TECHNIQUE AND INTERPRETATION
Reviewed by William H. Oldendorf 751

RADIOISOTOPES IN RADIODIAGNOSIS
Reviewed by Robert B. Chodos 751

MEDICAL THERMOGRAPHY, THEORY AND CLINICAL APPLICATIONS
Reviewed by Charles D. Teates 751

ABSTRACTS OF CURRENT LITERATURE 753

CALENDAR 756, 758

PLACEMENT 50A, 51A, 52A

