DIAGNOSTIC NUCLEAR MEDICINE

CLINICAL EVALUATION OF THALLIUM-201 EMISSION MYOCARDIAL TOMOGRAPHY USING A ROTATING GAMMA CAMERA: COMPARISON WITH SEVEN-PINHOLE TOMOGRAPHY
Nagara Tamaki, Takao Mukai, Yasushi Ishii, Yoshiharu Yonekura, Hirofumi Kambara, Chuichi Kawai, and Kanji Torizuka 849

INTERNAL CAROTID OCCLUSION: ASSESSMENT, BY Tc-99m-TAGGED MICROSPHERES, OF BYPASS FROM SUPERFICIAL TEMPORAL TO MIDDLE CEREBRAL ARTERY
Hideki Etani, Kazufumi Kimura, Yoshikazu Iwata, Shotaro Yoneda, Masatoshi Imaizumi, and Tadaatsu Nukada 856

THE SIGNIFICANCE OF I-131 SCAN DOSE IN PATIENTS WITH THYROID CANCER: DETERMINATION OF ABLATION: CONCISE COMMUNICATION

INVESTIGATIVE NUCLEAR MEDICINE

EFFECT OF COMPLETE BILIARY-TRACT OBSTRUCTION ON SERIAL HEPATOBIOLARY IMAGING IN AN EXPERIMENTAL MODEL: CONCISE COMMUNICATION

POSITRON IMAGING FEASIBILITY STUDIES. I: CHARACTERISTICS OF (3H)THYMIDINE UPTAKE IN RODENT AND CANINE NEOPLASMS: CONCISE COMMUNICATION
Steven M. Larson, Paul L. Weiden, Zdenka Grunbaum, Janet S. Rasey, Henry G. Kaplan, Michael M. Graham, George D. Harp, George E. Sale, and David L. Williams 869

POSITRON IMAGING FEASIBILITY STUDIES. II: CHARACTERISTICS OF 2-DEOXYGLUCOSE UPTAKE IN RODENT AND CANINE NEOPLASMS: CONCISE COMMUNICATION
Steven M. Larson, Paul L. Weiden, Zdenka Grunbaum, Henry G. Kaplan, Janet S. Rasey, Michael M. Graham, George E. Sale, George D. Harp, and David L. Williams 875

A COMPARISON OF SKELETAL UPTAKES OF THREE DIPHOSPHONATES BY WHOLE-BODY RETENTION: CONCISE COMMUNICATION

CASE REPORTS

DETECTION OF PULMONARY HEMORRHAGE WITH TECHNETIUM-LABELED RED CELLS
Gary G. Winzelberg, David Laman, Murray Sachs, and William H. Miller 884

UTERINE ACTIVITY: A POTENTIAL CAUSE OF FALSE-POSITIVE MECKEL'S SCANS
Todd B. Burt, John Q. Knochel, Frederick L. Daiz, and Timothy G. Lee 886

PULMONARY UPTAKE OF Tc-99m-LABELED METHYLENE DIPHOSPHONATE IN A PATIENT WITH A PARATHYROID ADENOMA
J. Y. Herry, D. Chevet, A. Moisan, P. Le Pogamp, J. J. Le Jeune, and Y. Kerdyles 888

RADIOCHEMISTRY AND RADIONUCLEARCHEMICALS

15-(p-[75Br]BROMOPHENYL)PENTADECANOIC ACID: PHARMACOKINETICS AND POTENTIAL AS HEART AGENT
H. N. Coenen, M.-F. Harmand, G. Kloster, and G. Stücklin 891

CATIONIC Tc-99m COMPLEXES AS POTENTIAL MYOCARDIAL IMAGING AGENTS
Edward Deutsch, Kenneth A. Glavan, Vincent J. Sodd, Hiroshi Nishiyama, Debra L. Ferguson, and Steven J. Lukes 897

RAPID AND MILD SYNTHESSES OF RADIOIODINE-LABELED RADIONUCLEARCHEMICALS
George W. Kabalka, E. Eugene Gooch, and Kunda A. R. Sastry 908
COMPUTER SCIENCES

BIPLANE CARCIAL BLOOD-POOL TOMOGRAPHY
Stuart G. Mirell, Harvey S. Hecht, James M. Hopkins, and W. H. Blahd .......................... 913

PRELIMINARY NOTES

ASSESSMENT OF DRUGS BY FUNCTIONAL IMAGING OF THALLIUM-201 DISTRIBUTION IN THE DOG
J. Maublant, N. Moins, and P. Gachon .................................................. 921

TEACHING EDITORIAL

TOMOGRAPHIC IMAGING OF THE HEART WITH THALLIUM-201: SEVEN-PINHOLE OR ROTATING GAMMA CAMERA?
Nizar A. Mullani, K. Lance Gould, and Jesus M. Gaeta .............................. 925

LETTERS TO THE EDITOR

RE: IVC OBSTRUCTION WITH HEPATOPETAL SHUNTING
Hee-Myung Park ................................................................. 927
REPLY
Max S. Lin, James W. Fletcher, and Robert M. Donati .................................. 927
RE: DIAGNOSIS OF ALCOHOLIC CIRRHOSIS WITH THE RIGHT-TO-LEFT HEPATIC LOBE RATIO: CONCISE COMMUNICATION
Julio V. Rivera ................................................................. 928
REPLY
D. P. Shreiner and Martha B. Kovach .................................................. 928

AUTONOMOUSLY FUNCTIONING THYROID NODULE AND MEDULLARY CARCINOMA
Mary J. E. van der Vis-Melsen, Aart Looyé, Peter B. K. Tan, Claus A. Geldermans .............. 929
RADIONUCLIDE DIAGNOSIS OF HEMATOMA OF AN OVARIAN CYST IN A NEONATE
Gerald A. Mandell, Albert Pizzica, Harry Zegel, and Millard Croll ....................... 930

COST-EFFECTIVE USE OF STANNOUS PYROPHOSPHATE
Mark Sands and Azu Owunwanne .................................................... 932

BOOK REVIEWS

BIOLICAL RISKS OF MEDICAL IRRADIATIONS
Reviewed by William R. Hendee ..................................................... 933
MEDICAL PHYSICS OF CT AND ULTRASOUND: TISSUE IMAGING AND CHARACTERIZATION
Reviewed by William Pavilek and Edward Buonocore .................................. 933
RADIATION-DRUG INTERACTIONS IN THE TREATMENT OF CANCER
Reviewed by C. Norman Coleman ..................................................... 933
RADIATION SENSITIZERS: THEIR USE IN THE CLINICAL MANAGEMENT OF CANCER
Reviewed by K. N. Prasad ........................................................... 934
ESSENTIAL PHYSICS FOR RADIOGRAPHERS
Reviewed by Ronald R. Price .......................................................... 934
A PROFESSIONAL APPROACH TO RADIOLOGY ADMINISTRATION
Reviewed by Ronald G. Evens .......................................................... 934

ABSTRACTS OF CURRENT LITERATURE .................................................. 936
INFORMATION FOR AUTHORS ........................................................ 939
CALENDAR ......................................................................................... 940
PLACEMENT ...................................................................................... 66A, 67A, 68A, 69A, 70A