

EDITORIAL

EDITORIAL POLICY OF THE JOURNAL OF NUCLEAR MEDICINE
 Frank H. DeLand 1

NUCLEAR MEDICINE IN MOTION
 Henry N. Wagner, Jr. 2

DIAGNOSTIC NUCLEAR MEDICINE

EARLY DIAGNOSIS OF VENOUS THROMBOSIS USING ¹²⁵I-FIBRINOGEN
 Robert F. Carretta, Sally J. DeNardo, Gerald L. DeNardo, Anne-Line Jansholt,
 and Angela W. Rose 5

RADIONUCLIDE VENOGRAPHY: CORRELATION WITH CONTRAST VENOGRAPHY
 U. Yun Ryo, Mohammad Qazi, Siddalingappa Srikantaswamy, and Steven Pinsky 11

MYOCARDIAL IMAGES IN NONACUTE CORONARY AND NONCORONARY
 HEART DISEASES
 Norman D. Poe, Leslie M. Eber, Anne S. Norman, Carl E. Selin, and Emery N. Terao 18

MYOCARDIAL UPTAKE OF THALLIUM-201 AUGMENTED WITH BICARBONATE:
 CONCISE COMMUNICATION
 Kenneth R. Hetzel, Bryan R. Westerman, James L. Quinn III, Sheridan Meyers,
 and Vincent Barresi 24

SENSITIVITY OF RADIONUCLIDE BRAIN IMAGING AND COMPUTERIZED TRANSAXIAL
 TOMOGRAPHY IN DETECTING TUMORS OF THE POSTERIOR FOSSA:
 CONCISE COMMUNICATION
 Michael A. Mikhael and Adel G. Mattar 26

A TEST FOR EVALUATION OF PERITONEO-VENOUS SHUNT FUNCTION: CONCISE
 COMMUNICATION
 Ralph J. Gorten 29

FUNCTIONAL EVALUATION OF A HEPATIC SCINTIGRAPHIC DEFECT USING
 ULTRASOUND AND A FATTY MEAL: CASE REPORT
 John R. Wilcox, Jr., Joseph P. Green, Alfred L. Moniot, and Quintous E. Crews, Jr. 32

TUMOR CALCINOSIS IMAGED BY BONE SCANNING: CASE REPORT
 Nikos Eugenidis and Johannes T. Locher 34

DYNAMIC IMAGING OF THE SYSTEMIC PERFUSION OF A LUNG CANCER:
 CASE REPORT
 J. Michael Uszler, Marcel Krauthammer, George V. Taplin, John Rinderknecht,
 and Karlman Wasserman 36

JUGULAR-DURAL SINUSES-JUGULAR REFLUX IN DYNAMIC BRAIN-FLOW IMAGING
 AS A SIGN OF UNILATERAL INNOMINATE VEIN OBSTRUCTION: CASE REPORT
 Timothy K. Ogawa, Stephen K. So, Erwin Gerberg, and Stephen A. Kanter 39

RADIOCHEMISTRY AND RADIOPHARMACEUTICALS

RADIOIODINATED PLASMINOGEN: AN IMAGING AGENT FOR PRE-EXISTING THROMBI
 Sylvia S. L. Harwig, John F. Harwig, Laurence A. Sherman, R. Edward Coleman,
 and Michael J. Welch 42

RUBIDIUM-82 GENERATORS FOR IMAGING STUDIES
 Y. Yano, P. Chu, T. F. Budinger, P. M. Grant, A. E. Ogard, J. W. Barnes, H. A. O'Brien, Jr.,
 and B. Hoop, Jr. 46

MYOCARDIAL UPTAKE (RABBIT) OF SIX ^{99m}Tc-TAGGED PHARMACEUTICALS AND ⁸⁶Sr
 AFTER VASOPRESSIN-INDUCED NECROSIS
 Z. D. Grossman, A. B. Foster, J. G. McAfee, R. Richardson, G. Subramanian, B. Markarian,
 G. Gagne, and D. Bassano 51

TRANSAXIAL TOMOGRAPHIC IMAGING OF CANINE MYOCARDIUM WITH
¹³C-PALMITIC ACID
 Edward J. Hoffman, Michael E. Phelps, Edward S. Weiss, Michael J. Welch, R. Edward Coleman,
 Burton E. Sobel, and Michel M. Ter-Pogossian 57

USE OF ^{99m}Tc-Cu-DTPA COMPLEX AS A RENAL FUNCTION AGENT
 L. Rao Chervu, H. B. Lee, Q. Goyal, and M. Donald Blaufox 62

PRODUCTION BY COMPACT CYCLOTRON OF RADIOCHEMICALLY PURE IODINE-123
 AS IODIDE FOR SYNTHESIS OF RADIODIAGNOSTIC AGENTS
 F. W. Zielinski, N. S. MacDonald, and G. D. Robinson, Jr. 67

LABELING HUMAN LYMPHOCYTES WITH MERCURY-197
 Gopal B. Saha, Elaine T. Schell, and Paul A. Farrer 70

CARBON-11-LABELED METHYLATED POLYAMINE ANALOGS: UPTAKE IN PROSTATE
 AND TUMOR IN ANIMAL MODELS
 Michael J. Welch, R. Edward Coleman, Maria G. Straatmann, Barbara E. Asberry,
 Joan L. Primeau, William R. Fair, and Michel M. Ter-Pogossian 74

INSTRUMENTATION AND PHYSICS

A REAL-TIME SYSTEM FOR MULTI-IMAGE GATED CARDIAC STUDIES
 Stephen L. Bacharach, Michael V. Green, Jeffrey S. Borer, Margaret A. Douglas,
 Harold G. Ostrow, and Gerald S. Johnston 79

AN IMPROVED FORTRAN PROGRAM FOR CALCULATING MODULATION TRANSFER
 FUNCTIONS: CONCISE COMMUNICATION
 Anthony R. Benedetto and Martin L. Nusynowitz 85

PRELIMINARY NOTE

A RADIOIODINATED BRETILIUM ANALOG AS A POTENTIAL AGENT FOR SCANNING
 THE ADRENAL MEDULLA
 Nancy Korn, Anthony Buswink, Terry Yu, Edward A. Carr, Jr., Mary Carroll,
 and Raymond E. Counsell 87

EDITORIAL

THROMBUS DETECTION: HERE AND NOW
 Donald E. Tow 90

LETTERS TO THE EDITOR

CANADIAN REGULATORY CONTROL OF RADIOPHARMACEUTICALS
 W. J. Welsh 93

LONG-DISTANCE TRANSMISSION OF SCINTILLATION CAMERA SIGNALS
 D. J. Dowsett, K. Roberts, and C. Gill 93

REPLY
 L. W. Santon, F. S. Prato, and N. Aspin 94

INCIDENCE OF SKELETAL METASTASES
 C. S. B. Galasko 95

REPLY
 Andrew J. Tofe, Marion D. Francis, and William J. Harvey 95

FOCALLY INCREASED ACTIVITY ON SCINTICISTERNOGRAPHY
 D. P. Shreiner 95

REPLY
 Robert R. McClelland 95

SCAN FINDINGS IN RHINOCEREBRAL MUCORMYCOSIS
 Richard D. Meyer 96

REPLY
 Tzila S. Zwas and Pinchas Czerniak 96

THYROID SCANNING WITH CESIUM-131
 John Burke and Provan Murray 97

REPLY
 D. A. Koutras, P. G. Pandos, J. Sfontouris, A. Koukoulommati-Spentza, and A. Psarras 97

ASSAY OF ³²P-SODIUM PHOSPHATE
 Edward B. Silberstein, Craig C. Williams, and Stephen B. Thomas 98

REPLY
 A. M. Zimmer and E. A. Silverstein 98

BOOK REVIEWS

BIOLOGY OF RADIATION CARCINOGENESIS
 Reviewed by Donald F. Logsdon 99

HIGH ENERGY PHOTONS AND ELECTRONS: CLINICAL APPLICATIONS IN CANCER
 MANAGEMENT
 Reviewed by Charles W. Coffey II and Yosh Maruyama 99

WILMS' TUMOR
 Reviewed by Judith M. Ash 99

ABSTRACTS OF CURRENT LITERATURE 101

CALENDAR 106, 108

PLACEMENT 55A, 56A, 57A, 58A

