

LETTER FROM THE EDITOR 1287

CLINICAL SCIENCES

DIAGNOSTIC NUCLEAR MEDICINE

BONE SCINTIGRAPHY IN RENAL OSTEODYSTROPHY
P. de Graaf, I. M. Schicht, E. K. J. Pauwels, J. te Velde, and J. de Graeff 1289

COMPUTERIZED DOUBLE-TRACER SUBTRACTION SCANNING WITH GALLIUM-67
CITRATE IN INFLAMMATORY DISEASES
Vijay M. Dhawan, John J. Sziklas, Richard P. Spencer, and Dayton A. Rich 1297

INVESTIGATIVE NUCLEAR MEDICINE

STUDIES OF SKELETAL TRACER KINETICS. I. DIGITAL-COMPUTER
SOLUTION OF A FIVE-COMPARTMENT MODEL OF [¹⁸F] FLUORIDE
KINETICS IN HUMANS
N. David Charkes, P. Todd Makler, and Charles Philips 1301

INVESTIGATION OF [¹⁸F]2-FLUORO-2-DEOXYGLUCOSE FOR THE MEASURE
OF MYOCARDIAL GLUCOSE METABOLISM
Michael E. Phelps, Edward J. Hoffman, Carl Selin, S. C. Huang, Gerald Robinson,
Norman MacDonald, Heinrich Schelbert, and David E. Kuhl 1311

EXPERIMENTAL FRACTURE HEALING: EVALUATION USING RADIONUCLIDE
BONE IMAGING: CONCISE COMMUNICATION
Lewis W. Gumerman, Stewart R. Fogel, Mark A. Goodman, Edward N. Hanley, George
S. Kappakas, Robert Rutkowski, and Geoffrey Levine 1320

SEQUENTIAL [¹²⁵I]-O-IODOHIPPURATE RENOGRAMS FROM RABBIT KIDNEYS
AFTER TEMPORARY RENAL ISCHEMIA
J. I. Dahlager 1324

CASE REPORTS

\dot{V}/\dot{Q} MISMATCHES UNASSOCIATED WITH PULMONARY EMBOLISM: CASE
REPORT AND REVIEW OF THE LITERATURE
David K. Li, Steven E. Seltzer, and Barbara J. McNeil 1331

RADIONUCLIDE ASSESSMENT OF GAUCHER'S DISEASE
Tien H. Cheng and B. Leonard Holman 1333

IDENTIFICATION OF RADIOPAQUE MATERIAL IN THE MAXILLARY SINUS
BY X-RAY FLUORESCENCE
J. A. Patton, S. J. Gibbs, R. R. Price, and A. B. Brill 1337

BASIC SCIENCES

RADIOCHEMISTRY AND RADIOPHARMACEUTICALS

[¹⁸F]-LABELED 3-DEOXY-3-FLUORO-D-GLUCOSE: SYNTHESIS AND PRELIMINARY
BIODISTRIBUTION DATA
Timothy J. Tewson, Michael J. Welch, and Marcus E. Raichle 1339

SYNTHESIS AND KINETICS OF [¹⁸F]4'-FLUOROANTIPYRINE IN NORMAL MICE
Philip J. Robbins, Donald L. Fortman, Kenneth L. Scholz, Gregg A. Fusaro, and
Vincent J. Sodd 1346

TECHNICAL NOTES

ANALYSIS OF PERSONNEL DOSES FROM NUCLEAR MEDICINE PROCEDURES
 R. V. Dhond, P. S. Iyer, and R. M. Worlikar 1353

TEACHING EDITORIAL

RADIONUCLIDES IN THE DIAGNOSIS OF FRACTURE HEALING
 Heinz W. Wahner 1357

LETTERS TO THE EDITOR

THE DESCENT OF NUCLEAR MEDICINE
 A. G. Richards 1359

GUIDELINES FOR THE CLINICAL EVALUATION OF RADIOPHARMACEUTICAL
 DRUGS
 Steven M. Larson, Barry A. Siegel, Ralph G. Robinson 1359

Tc-99m PHYTATE AS AN IMAGING AGENT FOR LYMPH NODES
 Gunes N. Ege and Ann Warbick 1362

REPLY
 Abass Alavi and Muni Staum 1363

MOTION CORRECTED HEPATIC SCINTIGRAPHY
 Edward B. Silberstein 1364

REPLY
 David A. Turner 1364

NEW Mo-99 NUCLEAR DECAY DATA
 Harold W. Nass 1365

A SIMPLE METHOD TO ASSAY PHOSPHORUS-32 FOR RADIOTHERAPY
 APPLICATIONS
 Victor N. Evdokimoff and Belton A. Burrows 1365

THALLIUM-201: THE ELUSIVE RADIONUCLIDE
 Jesus A. Bianco and Rex B. Shafer 1366

PERTECHNETATE DEMONSTRATION OF A BARRETT'S ESOPHAGUS INVOLVING
 THE LENGTH OF THE ESOPHAGUS
 Joachim F. Sailer and Charles M. Janeway 1366

BOOK REVIEWS

THE YEARBOOK OF NUCLEAR MEDICINE—1978
 Reviewed by Lynn Witherspoon 1369

DIAGNOSTIC ULTRASOUND IN CLINICAL OBSTETRICS AND GYNECOLOGY
 Reviewed by Roger C. Sander 1369

ATLAS OF CEREBROVASCULAR DISEASE
 Reviewed by Frank H. DeLand 1370

ABSTRACTS OF CURRENT LITERATURE 1371

1978 AUTHOR INDEX 1375

1978 SUBJECT INDEX 1396

CALENDAR 1424, 1426

PLACEMENT 54A, 56A, 57A, 58A

