

EDITORIAL

IMAGING—FUTURE PERSPECTIVES
 Frank H. DeLand 491

CLINICAL SCIENCES

DIAGNOSTIC NUCLEAR MEDICINE

THALLIUM-201 MYOCARDIAL SCINTIGRAPHY: A CRITICAL COMPARISON OF SEVEN-PINHOLE TOMOGRAPHY AND CONVENTIONAL PLANAR IMAGING
 H. Rajai Rizi, Robert C. Kline, James H. Thrall, Myrwood C. Besozzi, John W. Keyes, Jr., William L. Rogers, Jean Clare, and Bertram Pitt 493

ACCURACY OF LEFT VENTRICULAR END-DIASTOLIC DIMENSION DETERMINATIONS OBTAINED BY RADIONUCLIDE ANGIOCARDIOGRAPHY
 Page A. W. Anderson, Stephen K. Rerych, Thomas E. Moore, and Robert H. Jones 500

PEAK RATE OF LEFT-VENTRICULAR EJECTION BY A GATED RADIONUCLIDE TECHNIQUE: CORRELATION WITH CONTRAST ANGIOGRAPHY
 Valmik Bhargava, Robert Slutsky, and Dennis Costello 506

SCINTIGRAPHIC ASPECTS OF THE RECURRENCE OF TREATED PAGET'S DISEASE OF BONE
 C. J. L. R. Vellenga, E. K. J. Pauwels, O. L. M. Bijvoet, and W. B. Frijlink 510

GASTRIC VISUALIZATION AND IMAGE QUALITY IN RADIONUCLIDE BONE SCANNING: CONCISE COMMUNICATION
 M. A. Wilson and M. J. Pollack 518

INVESTIGATIVE NUCLEAR MEDICINE

THE USE OF Tc-99m MDP BONE SCANNING IN THE STUDY OF VASCULARIZED BONE IMPLANTS: CONCISE COMMUNICATION
 Paul Dee, Phillip G. Lambruschi, and John M. Hiebert 522

BASIC SCIENCES

RADIOCHEMISTRY AND RADIOPHARMACEUTICALS

EFFECT OF VITAMIN D₃, OTHER DRUGS ALTERING SERUM CALCIUM OR PHOSPHORUS CONCENTRATIONS, AND DESOXYCORTICOSTERONE ON THE DISTRIBUTION OF Tc-99m PYROPHOSPHATE BETWEEN TARGET AND NONTARGET TISSUES
 Edward A. Carr, Jr., Mary Carroll, and Mario Montes 526

PREPARATION AND CHARACTERIZATION OF TWO COMPLEXES OF TECHNETIUM WITH 2-MERCAPTOCARBOXYLIC ACIDS
 Eli Livni, Michael A. Davis, and Victor D. Warner 535

PRELIMINARY NOTES

SYNTHESIS OF C-11 IODOANTIPYRINE FOR POSITRON EMISSION TOMOGRAPHY
 James A. Campbell, Ronald D. Finn, Thomas E. Boothe, Belkacem Djermouni, Myron D. Ginsberg, Alan H. Lockwood, Albert J. Gilson, and Hans J. Ache 538

MEASUREMENT OF 24-HOUR WHOLE-BODY RETENTION OF Tc-99m HEDP BY A GAMMA CAMERA
 William Martin, Ignac Fogelman, and Rodney G. Bessent 542

TECHNICAL NOTE

- A METHOD FOR THE DETERMINATION OF ECG GATE SIGNAL DELAYS
 Ray Wery, Jack Hill, and Howard J. Dworkin 546

ADJUNCTIVE MEDICAL KNOWLEDGE

- NEW HORIZONS FOR THERAPEUTIC NUCLEAR MEDICINE IN 1981
 William H. Beierwaltes 549

TEACHING EDITORIAL

- DRUG-INDUCED MODULATION OF Tc-99m PYROPHOSPHATE TISSUE DISTRIBUTION:
 WHAT IS INVOLVED?
 Heinz W. Wahner and Mrinal K. Dewanjee 555

LETTERS TO THE EDITOR

- MEASUREMENT OF FREE THYROXINE IN SERUM
 Andries J. Bakker and Ina Terpstra 560

- REPLY
 Gerald Odstrchel and Graham Lidgard 561

- REPLY
 Walter E. Szpunar, Marshall Block, Mirosława N. Bednarz, and Sheldon S. Stoffer 562

- REPLY
 Lynn R. Witherspoon, Stanton E. Shuler, and Meredith M. Garcia 562

- CORRECTION OF ERRORS IN RENAL FUNCTION ESTIMATION BY SINGLE-SAMPLE
 TECHNIQUE
 Barry E. Chatterton 563

- REPLY
 J. R. Fitzsimmons and C. M. Williams 564

- IATROGENIC RUPTURE OF URINARY BLADDER: INCIDENTAL FINDING ON BONE SCAN
 Panna J. Shah, Walton W. Shreeve and B. Narayan Murthy 564

BOOK REVIEWS

- THERAPY IN NUCLEAR MEDICINE
 Reviewed by Howard J. Glenn 566

- ATLAS OF COMPUTERIZED EMISSION TOMOGRAPHY
 Reviewed by Frank H. DeLand 566

- RADIATION QUANTITIES AND UNITS. ICRU REPORT 33
 Reviewed by Roger J. Cloutier 566

- RADIOACTIVITY AND ITS MEASUREMENT
 Reviewed by Vincent J. Sodd 567

- ARTHROGRAPHY
 Reviewed by Jack W. Bowerman 567

- ABSTRACTS OF CURRENT LITERATURE 568

HEVESY NUCLEAR MEDICINE PIONEER LECTURE

- WILLIAM MYERS
 Henry N. Wagner, Jr. 573

PROCEEDINGS OF THE 28TH ANNUAL MEETING

SCIENTIFIC COMMITTEE	P1
MATRIX OF SCIENTIFIC SESSIONS	P2
ABSTRACTS FOR SCIENTIFIC PROGRAM	P4
ABSTRACTS FOR POSTER SESSIONS	P61
AUTHOR INDEX OF ABSTRACTS	P93
SCIENTIFIC EXHIBITS	P99
INFORMATIONS FOR AUTHORS	75A
CALENDAR	76A
PLACEMENT	80A, 81A, 82A, 83A