

**ARTICLES**

**KINETICS OF <sup>99m</sup>Tc-LABELED PYROPHOSPHATE AND POLYPHOSPHATE IN MAN**  
 G. T. Krishnamurthy, R. J. Huebotter, C. F. Walsh, J. R. Taylor, M. D. Kehr, M. Tubis, and  
 W. H. Bland ..... 109

**A BONE CALCIUM INDEX BASED ON PARTIAL-BODY CALCIUM MEASUREMENTS BY  
 IN VIVO ACTIVATION ANALYSIS**  
 Joan E. Harrison, W. C. Williams, J. Watts, and K. G. McNeill ..... 116

**RADIOCOLLOID SCANS IN EVALUATING SPLENIC RESPONSE TO EXTERNAL  
 RADIATION**  
 Richard P. Spencer and Arthur H. Knowlton ..... 123

**RELATIVE TISSUE DISTRIBUTION OF RADIOACTIVITY IN RATS WITH ENDOCRINE  
 "AUTONOMOUS" BREAST CARCINOMAS AFTER <sup>3</sup>H-, <sup>99m</sup>Tc-, AND <sup>64</sup>Cu-BLEOMYCIN**  
 U. Yun Ryo, Rodney D. Ice, John D. Jones, and William H. Beierwaltes ..... 127

**DISTRIBUTIONS OF SEVERAL AGENTS USEFUL IN IMAGING MYOCARDIAL INFARCTS**  
 Frederick J. Bonte, Robert W. Parkey, Kenneth D. Graham, and John G. Moore ..... 132

**PHARMACOKINETICS OF RADIOIODINATED STREPTOKINASE**  
 Geoffrey Coates, Sally J. DeNardo, Gerald L. DeNardo, and Frederic A. Troy ..... 136

**PRODUCTION AND CHARACTERISTICS OF <sup>126</sup>Xe: A NEW NOBLE GAS FOR IN VIVO  
 STUDIES**  
 Horace H. Hines, Jr., Neal F. Peek, Gerald L. DeNardo, and Anne-Line Jansholt ..... 143

**GALLIUM GALLBLADDER SCANNING IN CHOLECYSTITIS**  
 Alan D. Waxman and Jan K. Siemsen ..... 148

**THALLIUM-201 FOR MEDICAL USE. I**  
 E. Lebowitz, M. W. Greene, R. Fairchild, P. R. Bradley-Moore, H. L. Atkins, A. N. Ansari,  
 P. Richards, and E. Belgrave ..... 151

**THALLIUM-201 FOR MEDICAL USE. II: BIOLOGIC BEHAVIOR**  
 P. R. Bradley-Moore, E. Lebowitz, M. W. Greene, H. L. Atkins, and A. N. Ansari ..... 156

**CONCISE COMMUNICATIONS**

SIGNIFICANCE OF RENAL ASYMMETRY IN BONE SCANS: EXPERIENCE IN 795 CASES  
Robert S. Hattner, Shelby W. Miller, and Daniel Schimmel ..... 161

CHEMICAL AND BIOLOGIC PROPERTIES OF <sup>111</sup>In-PHOSPHATE FOR CISTERNOGRAPHY  
AND GLOMERULAR FILTRATION STUDIES  
A. E. Johnson and F. Gollan ..... 164

**CASE REPORT**

DIMINISHED UPTAKE OF <sup>67</sup>Ga-CITRATE IN A CASE OF PSEUDARTHROSIS  
Sheldon R. Hurwitz and Ray R. Quinto ..... 167

**LETTER TO THE EDITOR**

LEAD-203 FOR SKELETAL IMAGING  
Jelte Hoving, Albert Versluis, and Martien G. Woldring ..... 170

**mird / DOSE ESTIMATE REPORT NO. 4**

SUMMARY OF CURRENT RADIATION DOSE ESTIMATES TO HUMANS WITH VARIOUS  
LIVER CONDITIONS FROM <sup>198</sup>Au-COLLOIDAL GOLD ..... 173

**CALENDAR** 176, 178

**PLACEMENT** 54A, 56A, 58A

