

**ARTICLES**

**CATHETER SEMICONDUCTOR RADIATION DETECTOR FOR CONTINUOUS MEASUREMENT OF CARDIAC OUTPUT**  
 Hideo Ueda, Yashito Sasaki, Masahiro Iio, Shigekoto Kaihara, Kikuo Machida, Iwao Ito, Sei-ichi Takayanagi, Tetsuji Kabayashi and Tohru Sugita ..... 713

**A METHOD FOR CHROMATOGRAPHIC SEPARATION OF IODO COMPOUNDS WITH A COMPUTER PROGRAM FOR DATA ANALYSIS**  
 R. E. Goldsmith, R. Kloth, H. E. Berry, J. Rauh, J. Landwehr and G. Bahr ..... 722

**HIGH-RESOLUTION GAMMA-RAY SPECTROMETRY IN THE DETERMINATION OF TRACE ELEMENTS IN HUMAN FINGERNAILS**  
 A. A. Petushkov, D. M. Linekin, J. F. Balcius and G. L. Brownell ..... 730

**THE QUESTION OF RADIATION EXPOSURE TO THE HAND FROM HANDLING <sup>99m</sup>Tc**  
 C. M. Neil ..... 732

**DETERMINATION OF RENAL PLASMA FLOW BY A SINGLE INJECTION OF <sup>131</sup>I-ORTHOIODOHIPPURATE AND TWO BLOOD SAMPLES: EVALUATION OF THE PRECISION OF THIS METHOD**  
 Barna Vityé and Etienne LeBel ..... 735

**PRELIMINARY NOTES**

**LUNG SCANNING USING <sup>99m</sup>Tc-LABELED MACROAGGREGATED FERROUS HYDROXIDE (Tc-MAFH) AS THE PERFUSION AGENT**  
 R. E. Boyd, S. A. Ackerman, J. G. Morris and J. P. Huberty ..... 737

**UTILIZATION OF CHARACTERISTIC X-RADIATION TO IDENTIFY GAMMA RADIATION ORIGINATING EXTERNAL TO SKULL**  
 William H. Oldendorf ..... 740

**RADIOIMMUNOASSAY OF PANCREOZYMIN CHOLECYSTOKININ IN HUMAN SERUM**  
 J. D. Young, L. Lazarus and D. J. Chisholm and F. F. V. Atkinson ..... 743

**RADIOIMMUNOASSAY OF GASTRIN IN HUMAN SERUM USING ANTISERUM AGAINST PENTAGASTRIN**  
 J. D. Young, D. J. Byrnes, D. J. Chisholm, F. B. Griffiths and L. Lazarus .... 746

**SCANNING MEDIASTINAL LYMPH NODES**  
 H. Langhammer, G. Hör, H. W. Pabst and E. Hertel ..... 749

**LETTER TO THE EDITOR** ..... 752

**ANNOUNCEMENTS** 754

**CALENDAR** 756

1969 AUTHORS INDEX 757

1969 SUBJECT INDEX 767

