## JOURNAL of NUCLEAR MEDICINE/ Vol. 15 No. 7 / July, 1974

## ARTICLES

PEPTIDASE ACTIVITY OF CARRIER PROTEINS USED IN	
RADIOIMMUNOASSAYS	~ ~ ~
Herman Rutner, Sidney Gutcho, James Johnson, and Thomas Dodd GALLIUM SCANNING IN ACUTE HEPATIC AMEBIC ABSCESS	557
George E. Geslien, James H. Thrall, and Merrill C. Johnson	561
RENAL UPTAKE OF ""Tc-SULFUR COLLOID	
C. B. Higgins, Richard M. Taketa, Andrew Taylor,	
Samuel E. Halpern, and William L. Ashburn	564
STUDIES OF ACUTE CARDIOPULMONARY TOXICITY OF	
Sn-MACROAGGREGATED ALBUMIN IN THE DOG	
D. R. Allen, W. B. Nelp, F. Cheney, and D. E. Hartnett	567
DISTRIBUTION OF 14C AND 3H-STREPTOZOTOCIN IN	
DOGS AND TOADFISH	
Ung Yun Ryo, William H. Beierwaltes, Patrick Feehan,	
and Rodney D. Ice	572
CELLULAR NECROSIS MODEL IN TISSUE CULTURE:	
UPTAKE OF 99mTc-TETRACYCLINE AND THE	
PERTECHNETATE ION	
Mrinal K. Dewanjee and Eileen W. Prince	577
RADIONUCLIDE EVALUATION OF REGIONAL LUNG	
FUNCTION IN CHILDREN	
S. Treves, D. S. Ahnberg, R. Laguarda, and D. J. Strieder	582
A RAPID METHOD FOR MEASUREMENT OF FRACTIONAL	
INTESTINAL ABSORPTION OF CALCIUM	
Jacques Chanard, Jacques Assailly, Cyrille Bader,	
and Jean-Louis Funck-Brentano	588
THE SIGNIFICANCE OF THE LIVER-SPLEEN UPTAKE RATIO	
IN LIVER SCANNING	
George A. Wilson and John W. Keyes, Jr	598
EVALUATION OF 188Xe TECHNIQUES FOR MEASUREMENT	
OF REGIONAL VENTILATION	
Robert H. Jones, Jack K. Goodrich, and David C. Sabiston	598
REGIONAL LUNG VOLUME MEASUREMENT BY	
TRANSMISSION SCINTIGRAPHY	
J. S. Fleming and B. A. Goddard	605
CONCISE COMMUNICATIONS	
AN IMPROVED HIGH-LEVEL WHOLE-BODY COUNTER	
H. D. Hodges, W. D. Gibbs, A. C. Morris, Jr., and W. C. Coffey II	610
A 99mTc-LABELED REPLACEMENT FOR 181I-ROSE BENGAL IN	
LIVER AND BILIARY TRACT STUDIES	
T. H. Lin, A. Khentigan, and H. S. Winchell	613
IRON HYDROXIDE PARTICLE RETENTION IN PRIMATE LUNGS	_
Richard S. Watts, Roger L. Sopher, and Hugo G. Peña	616
THE CLINICAL LIMITATIONS OF BRAIN SCANNING IN	
METASTATIC DISEASE	
William H. Brooks, Richard H. Mortara, and David Preston	620

## JOURNAL of NUCLEAR MEDICINE/ Vol. 15 No. 7 / July, 1974

FALSE-POSITIVE <sup>78</sup> Se-SELENITE SCAN IN NONMALIGNANT LESIONS M. J. K. De Roo	699
DIFFERENTIAL VITAL CAPACITY DETERMINATIONS WITH RADIOACTIVE XENON	022
Thomas V. Serino, Kenneth F. MacDonnell, Sadamu Ishikawa, Lewis E. Braverman, Cynthia Abreau, Richard Johnston, and Edward Cloonan	625
case reports	023
LACRIMAL GLAND ACCUMULATION OF 67Ga	
Fred S. Mishkin and Walter P. Maynard	630
James D. Slavin, Jr., Thomas F. Minehan, and Richard P. Spencer  DIMINISHED CEREBRAL PERFUSION RESULTING FROM KINKING OF THE INTERNAL CAROTID ARTERY	632
Richard T. Trackler and Adrian G. Mikulicich	634
Michael A. Prosin and Fred S. Mishkin	636
L. Silver, R. Sham, and H. A. Klein  POSITIVE BRAIN SCAN IN TOXOPLASMOSIS	639
Savita Puri, Richard P. Spencer, and Martin E. Gordon	641
LETTER TO THE EDITOR	
169Yb-DTPA CISTERNOGRAPHY: HOW MANY RADS DOES THE BRAIN RECEIVE?	
Naomi Alazraki, Sheldon Hurwitz, Samuel E. Halpern, and William L. Ashburn	643

CALENDAR

644,646

**PLACEMENT** 

60A, 61A



EDITORIAL COMMUNICATIONS. All editorial correspondence should be sent to the Editor, Belton A. Burrows, M.D., 720 Harrison Ave., Boston, Mass. 02118, Phone 617-262-4474. Books and monographs covering the use of nuclear phenomena in the diagnosis and treatment of disease and allied fields will be reviewed as space is available. Send copies to the Editor at the address above.

BUSINESS COMMUNICATIONS. Send all correspondence concerning business (advertising, subscriptions, change of address, etc.) to the publisher, Society of Nuclear Medicine, 475 Park Avenue South, New York, N.Y. 10016, Phone 212-889-0717. Advertising rates are available from the publisher. Advertising is accepted subject to approval by an editorial committee. Forms close on the 15th of the second month preceding date of issue.

July, 1974, Vol. 15, No. 7. Second class postage paid at New York, N.Y., and at additional mailing offices. Subscription rates are \$40 per year within the United States; \$42 in Canada and South and Central America; \$45 elsewhere (includes air mail postage). Student subscription \$20. Single copies \$4; foreign \$4.50; convention issue (June), \$7; foreign \$7.50; postage will be added. Subscriptions on a calendar-year basis. Remittances should be made by check, draft, post office or express money order, made payable to Society of Nuclear Medicine. Notify the Society of change of address at least 30 days before date of issue by sending both the old and new address.