

# MCV/Q

MEDICAL COLLEGE OF VIRGINIA QUARTERLY

*A Scientific Publication of the School of Medicine  
Health Sciences Division of Virginia Commonwealth University*

1975 • Volume Eleven • Number Three

MEDICAL COLLEGE OF VIRGINIA QUARTERLY Published quarterly (Spring, Summer, Fall, Winter), by the Medical College of Virginia, Division of Health Sciences, Virginia Commonwealth University. The QUARTERLY publishes results of original research in basic and clinical sciences. Contributions from outside the Medical College of Virginia faculty are invited. Manuscripts, submitted in duplicate, should be prepared according to recommendations in the Style Manual for Biological Journals, Washington, D.C., American Institute of Biological Sciences, Second Edition, 1964.

*Correspondence:* MEDICAL COLLEGE OF VIRGINIA QUARTERLY, Medical College of Virginia, Richmond, Virginia 23298. Phone 804/770-4027.

*Subscription rates* for U.S.A., Canada, and Mexico: 1 year, \$6.00; 2 years, \$10.00; 3 years, \$14.00. All other countries: 1 year, \$8.00; 2 years, \$12.00; 3 years, \$15.00. Libraries and institutions: (U.S.A.) 1 year, \$12.00; 2 years, \$20.00; 3 years, \$28.00; (*foreign*) 1 year, \$13.00; 2 years, \$21.00; 3 years, \$29.00. Interns, residents, and students: 1 year, \$3.00. Single issue: \$2.00.

*Third class postage* paid at Richmond, Virginia.

#### *Editorial Advisory Board*

John T. Farrar  
Hunter H. McGuire  
M. Pinson Neal, Jr.  
Kinloch Nelson  
Frederick J. Spencer

#### *Editorial Consultants*

Larry F. Cavazos *Boston*  
Richard G. Lester *Durham*  
Sami I. Said *Dallas*  
Malcolm E. Turner, Jr. *Birmingham*

#### *Editor*

Fairfield Goodale, Jr.  
*Managing Editor*  
Mary-Parke Johnson  
*Cover Design*  
Raymond A. Geary

## CONTENTS

---

### NUCLEAR MEDICINE—PART II

A Postgraduate Course in Nuclear Medicine sponsored by the Department of Radiology, Medical College of Virginia, Health Sciences Division of Virginia Commonwealth University

KLAUS RANNIGER, M.D., *Guest Editor*  
ALTON R. SHARPE, JR., M.D., *Associate Guest Editor*

---

Introduction 100  
KLAUS RANNIGER, M.D.

---

Scintiphotography in Evaluation of Renal Transplants 101  
HALCOTT T. HADEN, M.D.

---

Use of Bone Scanning and Skeletal Radiography in the  
Diagnosis of Bone Metastasis 108  
JAY C. MALL, M.D.  
PAUL B. HOFFER, M.D.

---

Radionuclide Imaging Evaluation of the Patient with Trauma 116  
LETTY G. LUTZKER, M.D.  
LEONARD M. FREEMAN, M.D.

---

---

**Radioimmunologic Methods for Diagnosis of Malignant Diseases 128**  
**PAUL B. HOFFER, M.D.**

---

**Pitfalls and Artifacts in Nuclear Imaging Studies 131**  
**LEONARD M. FREEMAN, M.D.**

---

---

© 1975 by the Medical College of Virginia, Health Sciences Division of Virginia Commonwealth University  
Printed by the William Byrd Press, Richmond, Virginia

---