

**ANNUAL MEETING  
MISSOURI VALLEY CHAPTER — SOCIETY OF NUCLEAR MEDICINE  
CONTINUING EDUCATION PROGRAM**

**Saturday, October 4, 1980**

1. **RADIOIMMUNODETECTION — CURRENT STATUS AND PROBABILITIES.**  
Faculty: Frank H. Deland, University of Kentucky, Lexington, Kentucky  
This course will review the current status of radiolabeled tumor markers with discussion of tumor immunology, radio-labeling methods, and imaging techniques. The potential future clinical role of these techniques will be outlined.
2. **POSITRON EMISSION TOMOGRAPHY FOR THE ASSESSMENT OF MYOCARDIAL INTEGRITY.**  
Faculty: Michel Ter-Pogossian, Mallinckrodt Institute of Radiology, St. Louis, Missouri  
This course will review the instrumentation and physics of positron ECT. Applications for the study of the myocardium, myocardial metabolism and blood flow will be presented.
3. **MECHANISMS OF RADIOGALLIUM TRANSPORT — PRACTICAL CONSIDERATIONS.**  
Faculty: J. Albert Fernandez-Pol, St. Louis University Medical Center, St. Louis, Missouri  
This course will review the basic mechanisms of radiogallium transport in normal and transformed tissues. Presentation will integrate mechanisms of transport with discussion of practical considerations in tumor and abcess imaging.
4. **GASTROINTESTINAL NUCLEAR MEDICINE.**  
Faculty: Ralph G. Robinson, University of Kansas Medical Center, Kansas City, Kansas  
This course will review and update current diagnostic procedures for the evaluation of the gastrointestinal system. Discussion will include studies for gastric emptying time, biliary system evaluation, GI bleeding.
5. **USE OF RADIONUCLIDES IN PERIPHERAL VASCULAR DISEASE.**  
Faculty: Robert E. Henry, University of Arizona, College of Medicine, Tucson, Arizona  
This course will review the current status of diagnostic radionuclide procedures in evaluation of peripheral vascular disease. Specific areas of presentation will include 133-Xenon washout, Tl-201 and microspheres for evaluating limb blood flow.
6. **SCINTIGRAPHIC DIAGNOSIS OF PULMONARY EMBOLISM.**  
Faculty: Barry A. Siegel, Mallinckrodt Institute of Radiology, St. Louis, Missouri  
This course will review the current status of radionuclide studies for the diagnosis of pulmonary embolism. Presentation will include discussion of limitations of scintigraphy, advantages of 81m Kr gas and guidelines for routine clinical use.
7. **USE OF POSITRON EMISSION TOMOGRAPHY IN STUDIES OF THE BRAIN.**  
Faculty: Marcus Raichle, Mallinckrodt Institute of Radiology, St. Louis, Missouri  
This course will provide a review of the study of regional brain function with positron radiopharmaceuticals. Presentation will include discussion of cerebral blood flow analysis, carbohydrate metabolism in health and disease states.
8. **HOW TO SUCCEED WITH NRC INSPECTIONS.**  
Faculty: Carl Paperiello, Radiologic Materials Protection Section, U.S. Nuclear Regulatory Commission, Glen Ellyn, Illinois  
This course will review basic considerations of NRC with respect to Medical licensure and those aspects of possessing and handling radiomaterials that are required for compliance with government regulatory agencies. Radiation Safety Plans, Quality Control and Waste Disposal will be discussed in detail.

**FACULTY**

Frank H. Deland, M.D.  
University of Kentucky  
Lexington, Kentucky

J. Albert Fernandez-Pol, M.D.  
St. Louis University Medical Center  
St. Louis, Missouri

Robert E. Henry, M.D.  
University of Arizona, College of Medicine  
Tucson, Arizona

Carl Paperiello, Ph.D.  
Radiologic Materials Protection, U.S. NRC  
Glen Ellyn, Illinois

Marcus Raichle, M.D.  
Mallinckrodt Institute of Radiology  
St. Louis, Missouri

Ralph G. Robinson, M.D.  
University of Kansas Medical Center  
Kansas City, Kansas

Barry A. Siegel, M.D.  
Mallinckrodt Institute of Radiology  
St. Louis, Missouri

Michel Ter-Pogossian, Ph.D.  
Mallinckrodt Institute of Radiology  
St. Louis, Missouri

**PRACTICAL ADVANCES  
IN  
NUCLEAR MEDICINE**



Annual Meeting  
of the  
**MISSOURI VALLEY CHAPTER  
SOCIETY OF NUCLEAR MEDICINE**

**OCTOBER 3-5, 1980**

**SHERATON WESTPORT INN  
ST. LOUIS, MISSOURI**

DEPARTMENT OF NUCLEAR MEDICINE  
ST. LOUIS UNIVERSITY HOSPITALS  
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Make check payable to: Missouri Valley Chapter, Society of Nuclear Medicine  
Mail to: Sheila Rosenfeld, Nuclear Medicine Service (115JC), St. Louis VA Medical Center, St. Louis, Missouri 63125  
Room reservations may be made directly with the hotel using enclosed card.  
Please make reservations by September 18, 1980.  
Rates are: Single \$42 plus tax/night  
Double \$48 plus tax/night  
Courtesy Limousine Service is available from airport via main lobby phone on an hourly basis.

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## **PRACTICAL ADVANCES IN NUCLEAR MEDICINE**

### **FRIDAY, OCTOBER 3, 1980 BASEL ROOM**

6:30 - 8:00 ICE BREAKER COCKTAIL PARTY (Cash Bar)

### **SATURDAY, OCTOBER 4, 1980 GENEVA ROOM**

8:00 - 8:30	REGISTRATION	
8:30 - 8:35	WELCOME	David F. Preston, M.D.
8:35 - 9:30	"Radioimmunoassay — Current Status and Probabilities".	Frank H. DeLand, M.D.
9:30 - 10:30	"Positron Emission Tomography for the Assessment of Myocardial Integrity".	Michel Ter-Pogossian, Ph.D.
10:30 - 10:45	COFFEE BREAK	
10:45 - 11:45	"Mechanisms for Radiogallium Transport — Practical Considerations".	J. Albert Fernandez-Pol, M.D.
11:45 - 12:30	"Gastrointestinal Nuclear Medicine".	Ralph G. Robinson, M.D.
12:30 - 1:30	LUNCH	
1:30 - 2:30	"Use of Radionuclides in Evaluating Peripheral Vascular Disease".	Robert E. Henry, M.D.
2:30 - 3:30	"Scintigraphic Diagnosis of Pulmonary Embolism".	Barry A. Siegel, M.D.
3:30 - 3:45	COFFEE BREAK	
3:45 - 4:30	"Use of Positron Emission Tomography in Studies of the Brain".	Marcus Raichle, M.D.
4:30 - 5:30	Chapter Business Meeting	
5:30 - 6:30	Technologist Business Meeting	
6:30 - 8:00	Complimentary Cocktail Party	

### **SUNDAY, OCTOBER 5, 1980 GENEVA ROOM**

9:00 - 10:00	"How to Succeed with NRC Inspections".	Carl Paperiello, Ph.D.
10:00 - 10:30	Discussion	
10:30 - 10:45	COFFEE BREAK	
10:45 - 11:45	Contributed Papers*	

PLEASE TAKE TIME TO VIEW THE EXHIBITS IN BASEL, INTERLAKEN, LAUSANNE ROOMS

APPLICATION FOR AMA CATEGORY I CREDIT FOR PHYSICIANS AND VOICE CEU CREDIT FOR TECHNOLOGISTS HAS BEEN SUBMITTED.

\*200 word abstract should be sent before September 1, 1980 to: James W. Fletcher, M.D., Chief, Nuclear Medicine Service (115JC), St. Louis VAMC, St. Louis, Missouri 63125. Awards will be presented for best paper.