

INTRODUCTION TO NUCLEAR IMAGING INSTRUMENTATION (Audio-visual program, 82 slides with 33-min cassette tape), C. Craig Harris, Carle Place, N.Y., Nuclear Associates, \$135.

This audiovisual program, prepared by Craig Harris, a pioneer in nuclear imaging instrumentation, is an excellent learning aid for both physicians and technologists. It should be especially helpful for nuclear medicine and radiology residents as a supplement to didactic training in the early phases of their program. The same applies to technologist trainees. Craig Harris has very cleverly and tactfully mixed the physics of nuclear imaging instrumentation in with clinical examples in such a way that the viewer absorbs the physical principles in painless and manageable doses without really realizing what went down. In another unique feature, the presentation is structured around the operation and proper use of the imaging systems as opposed to the

usual systems-oriented approach. This results in a refreshingly different presentation that I suspect many "old-timers" will want to view just to see if they have missed anything over all these years.

An examination of 25 questions with answers is provided. I suggest viewing the program, taking the examination, and then viewing the program again to clarify those points on the examination that were not absorbed the first time.

Both the slides and the tape are professionally produced. I should think that every institution where educational activities are being conducted in nuclear medicine would want to obtain this program.

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Accepted Articles To Appear in Upcoming Issues

A Diagnostic Strategy Using Ventilation-Perfusion Studies in Patients Suspect for Pulmonary Embolism. Accepted 11/11/75.

Barbara J. McNeil

Focal Increased Activity on Scintiscintigraphy: Report of Three Cases. Accepted 12/18/75.

Robert R. McClelland

Mechanism of Localization of ^{99m}Tc -Labeled Pyrophosphate and Tetracycline in Infarcted Myocardium. Accepted 12/29/75.

Mrinal K. Dewanjee and Paul C. Kahn

Simultaneous Measurement of Percentage Free Thyroxine and Triiodothyronine: Equilibrium Dialysis versus Sephadex Chromatography. Accepted 12/29/75.

Steven M. Snyder, Ralph R. Cavalieri, and Sidney H. Ingbar

Gallium-67 Uptake by a Malignant Fibrous Histiocytoma (Case Report). Accepted 12/29/75.

David J. Harrowe, Stephen Kessler, Alan A. Jansen, and Steven M. Larson

Radionuclide Angiographic Calculation of the Ratio of Left-to-Right Heart Outputs in a Patient with Unusual Cardiovascular Anatomy (Case Report). Accepted 12/29/75.

J. Anthony Parker, Michael Freed, Donald S. Ahnberg, and S. Treves

Stability of Radiothyroxine Plasma Disappearance Curve despite Catharsis and Unblocked Thyroidal Uptake of Radioiodide. Accepted 12/29/75.

Marguerite T. Hays

Compartmental Models of Cerebral Blood Flow. Analysis Using the 81-keV and 31-keV Photons of ^{133}Xe . Accepted 1/6/76.

W. A. van Duyl, D. Sparreboom, and A. C. W. Volkers

Childhood Pelvic Osteomyelitis Presenting as a "Cold" Lesion on Bone Scan (Case Report). Accepted 1/9/76.

Richard T. Trackler, Kenneth E. Miller, David H. Sutherland, and David L. Chadwick

Unusual Bone Scan Findings in Acute Osteomyelitis (Case Report). Accepted 1/9/76.

Lincoln D. Russin and Edward V. Staab

Field Flood Uniformity Corrections: Benefits or Pitfalls? Accepted 1/9/76.

Thomas N. Padikal, Alan B. Ashare, and James G. Kerejakes

Two Unusual Causes of Peripatellar Nonmetastatic Positive Bone Scans in Patients with Malignancies (Case Reports). Accepted 1/14/76.

John W. Turner, Ibrahim B. Syed, and Richard P. Spencer

Measurement of Serum Triiodothyronine Concentrations (Letter to the Editor). Accepted 1/15/76.

C. M. Heise

Reply. Accepted 1/15/76.

Kenneth D. Burman, Frances D. Wright, Jerry M. Earll, and Leonard Wartofsky

Performance of Scintillation Cameras (Letter to the Editor). Accepted 1/16/76.

Raymond P. Grenier

Body-Background Defects with ^{99m}Tc -DTPA after Renal Transplantation (Case Reports). Accepted 1/21/76.

Robert J. Corcoran, James H. Thrall, Robert J. Kaminski, Vijay M. Varma, and Merrill C. Johnson

Radionuclide Venography: Significance of Delayed Washout; Visualization of the Saphenous System. Accepted 1/21/76.

U. Yun Ryo, Lelio G. Colombetti, Stanton G. Polin, and Steven M. Pinsky

Minicomputer Enhancement of Scintillation Camera Images Using Fast Fourier Transform Techniques. Accepted 1/21/76.

Mark J. Sebern, James D. Horgan, Robert C. Meade, Charles M. Kronenwetter, Philip P. Ruetz, and En-Lin Yeh

^{99m}Tc -Pyrophosphate Scan and Radiographic Correlation in Thyroid Acropachy (Case Report). Accepted 1/27/76.

Robert S. Seigel, James H. Thrall, and James C. Sisson

Development of New Radiopharmaceuticals Based on N-Substitution of Iminodiacetic Acid. Accepted 1/27/76.

Michael D. Loberg, Malcolm Cooper, Elizabeth Harvey, Patrick Callery, and William Faith

Thallium-201 for Myocardial Imaging: Appearance of the Normal Heart. Accepted 1/27/76.

David J. Cook, Ian Bailey, H. William Strauss, Jacques Rouleau, Henry N. Wagner, Jr., and Bertram Pitt

Salivary Gland Uptake of ^{67}Ga -Citrate Following Radiation Therapy. Accepted 1/30/76.

Carlos Bekerman and Paul B. Hoffer

Effect of Carrier Technetium in the Preparation of ^{99m}Tc -Human Serum Albumin. Accepted 2/4/76.

William C. Porter, Howard J. Dworkin, and Robert F. Gutkowski

Lung Scintigraphy with ^{51}Cr -Erythrocytes in Goodpasture's Syndrome (Case Report). Accepted 2/16/76.

Rikushi Morita, Katsuji Ikekubo, Harumi Ito, Toru Mori, Ken Hamamoto, and Kanji Torizuka

Tomographic Images of Blood Pool and Perfusion in Brain and Heart. Accepted 2/17/76.

Michael E. Phelps, Edward J. Hoffman, R. Edward Coleman, Michael J. Welch, Marcus E. Raichle, Edward S. Weiss, Burton E. Sobel, and Michel M. Ter-Pogossian

Scintigraphic Criteria for Hepatic Metastases from Cancer of the Colon and Breast. Accepted 2/23/76.

David E. Drum and Judith M. Beard

Influence of Dose Rate on Carcinogenesis Resulting from X-Ray, ^{113m}In , and ^{198}Au Irradiation. Accepted 2/23/76.

Richard L. Witcofski and Donald J. Pizzarello

Bone Scan in Mastocytosis (Case Report). Accepted 2/23/76.

Wilfrido M. Sy, Martin V. Bonventre, and Anthony Camera