

JNM



Official Publication of
The Society of Nuclear Medicine

SNM NEWSLINE

- 13N Petition Would Ease Strictures on Outpatient Nuclear Medicine Therapy**
J. Rojas-Burke
- 15N Berson-Yalow Award-Winners Shedding Light on FDG Uptake in Tumors**
J. Rojas-Burke
- 16N Radiopharmaceutical Chemist Receives Hevesy Nuclear Medicine Pioneer Award**
- 19N News Briefs: Court Hears Arguments on Nuclear Quality Management Rule; Radionuclide Production Threatened in Poland; Perceptions of Radiation Risk; E&R Foundation Student Fellowships, April 1992**

HUMAN STUDIES

- 1255 Euglycemic Hyperinsulinemic Clamp and Oral Glucose Load in Stimulating Myocardial Glucose Utilization During Positron Emission Tomography**
M. Juhani Knuuti, Pirjo Nuutila, Ulla Ruotsalainen, Markku Saraste, Risto Härkönen, Aapo Ahonen, Mika Teräs, Merja Haaparanta, Uno Wegelius, Arto Haapanen, Jaakko Hartiala, and Liisa-Maria Voipio-Pulkki
- 1263 Editorial: Euglycemic Hyperinsulinemic Clamp and Oral Glucose Load in Stimulating Myocardial Glucose Utilization During Positron Emission Tomography**
Heinrich R. Schelbert
- 1263 Editorial: Myocardial FDG PET Studies with the Fasting, Oral Glucose-Loading or Insulin Clamp Methods**
Nagara Tamaki, Yoshiharu Yonekura, and Junji Konishi
- 1269 Metabolic Cardiac Imaging in Severe Coronary Disease: Assessment of Viability with Iodine-123-Iodophenylpentadecanoic Acid and Multicrystal Gamma Camera, and Correlation with Biopsy**
Gary Murray, Nikolaus Schad, William Ladd, David Allie, Roger Vander Zwagg, Philip Avet, and John Rockett
- 1278 Noninvasive In-Vivo Measurement of Hepatic and Cardiac Iron**
L. Wielopolski and E.C. Zaino
- 1283 Gastric Emptying and Intra-gastric Distribution of Oil in the Presence of a Liquid or a Solid Meal**
M. Edelbroek, M. Horowitz, A. Maddox, and J. Bellen

1291 Simultaneous Assessment of Bolus Transport and Contraction Parameters in Multiple Swallow Investigations

Klaus Tatsch, Winfried A. Voderholzer, Martin J. Weiss, Wilhelm Schroettle, Andreas G. Klauser, Stefan A. Mueller-Lissner, and Carl-Martin Kirsch

1301 Editorial: Esophageal Disorders and Scintigraphy: One Clinician's Perspective

Cheryl Bunker

1304 Clinical Comparison of Technetium-99m-Teboroxime and Thallium-201 Utilizing a Continuous SPECT Imaging Protocol

A.N. Serafini, S. Topchik, H. Jimenez, A. Friden, W.I. Ganz and G.N. Sfakianakis

1312 A Comparison of Brain Perfusion SPECT in Cocaine Abuse and AIDS Dementia Complex

B. Leonard Holman, Basem Garada, Keith A. Johnson, Jack Mendelson, Elizabeth Hallgring, Siew Koon Teoh, Jonathan Worth, and Bradford Navia

1316 Dose Estimation in Strontium-89 Radiotherapy of Metastatic Prostatic Carcinoma

Stephen L. Breen, J.E. Powe, and A.T. Porter

1324 Factors Influencing Serial Measurements of Cardiac Volumes by Count-Based Methods: Effects of Elevated Catecholamines, Position, and Exercise on Technetium-99m-Blood Radioactivity Concentration

Wayne C. Levy, Manuel D. Cerqueira, Richard Veith, and John R. Stratton

1330 Evaluation of Infectious Diabetic Foot Complications with Indium-111-Labeled Human Nonspecific Immunoglobulin G

Wim J.G. Oyen, Paetrick M. Netten, J. Albert M. Lemmens, Roland A.M.J. Claessens, Jos A. Lutterman, J. Adam van der Vliet, R. Jan A. Goris, Jos W.M. van der Meer, and Frans H.M. Corstens

1337 Emission Tomography for Assessment of Diffuse Alcoholic Liver Disease

E. Delcourt, M. Vanhaeverbeek, J-P Binon, P. Brasseru, R. Calay, M. Baudoux, C. Gregoir

1344 Editorial: Diagnostic Imaging of the Liver

Sanjay Saini

LABORATORY STUDIES

1346 The Relationship Between Myocardial Blood Flow and Glucose Uptake in Ischemic Canine Myocardium Determined with Fluorine-18-Deoxyglucose

Victor Kalff, Markus Schwaiger, Ngoc Nguyen, Thomas B. McClanahan, and Kim P. Gallagher

1353 Editorial: Myocardial Blood Flow, Deoxyglucose Uptake and Myocyte Viability in Ischemia

Lionel H. Opie and Paolo G. Camici

1357 Interspecies Variation in Biodistribution of Technetium (2-Carbomethoxy-2-Methyl Isocyanopropane)⁺

James F. Kronauge, Michael A. Noska, Alan Davison, B. Leonard Holman, and Alun G. Jones

1366 Establishment and Characterization of Monoclonal Antibodies Against an Octahedral Gallium Chelate Suitable for Immunoscintigraphy with PET

Margot Zoller, Jochen Schuhmacher, Jennifer Reed, Wolfgang Maier-Borst, and Siegfried Matzku

1373 In-Vivo Identification of Tumor Multidrug Resistance with ³H-Colchicine

Bipin M. Mehta, Eddie Rosa, John D. Fissekis, James R. Bading, June L. Biedler, and Steven M. Larson

1378 Effect of Carbohydrate Modification on the Localization of Human Polyclonal IgG at Focal Sites of Bacterial Infection

Alan J. Fischman, Anthony J. Fucello, J.L. Pellegrino-Gensey, J. Geltofsky, Martin L. Yarmush, Robert H. Rubin, and H. William Strauss

1383 Delayed L-Phenylalanine Infusion Allows for Simultaneous Kinetic Analysis and Improved Evaluation of Specific-to-Nonspecific Fluorine-18-DOPA Uptake in Brain

Doris J. Doudet, Catherine A. McLellan, Thomas G. Aigner, Richard J. Wyatt, and Robert M. Cohen

CASE REPORTS

1390 Technetium-99m-Medronate Uptake in Hepatic Necrosis Associated with Budd-Chiari Syndrome

Gilbert E. Parker, Jr. and Timothy S. Burke

1393 Technetium-99m-Sestamibi Uptake by Recurrent Hurthle Cell Carcinoma of the Thyroid

Helena R. Balon, Darlene Fink-Bennett, and Sheldon S. Stoffer

1396 Comparison of Technetium-99m-MIBI and Thallium-201-Chloride Uptake in Primary Thyroid Lymphoma

Andrew M. Scott, Lale Kostakoglu, James P. O'Brien, David J. Straus, Hussein M. Abdel-Dayem, and Steven M. Larson

1399 Primary Osteosarcoma of the Thyroid Gland

Egbert U. Nitzsche, Leanne L. Seeger, Barbara Klosa, Nikolaus Freudenberg, and Ernst A. Moser

METHODOLOGY

1402 Radiation Safety Considerations for Post-Iodine-131 Thyroid Cancer Therapy

Cheryl M. Culver and Howard J. Dworkin

1406 Optimization of Follow-up Measurements of Bone Mass

Luis F. Verheij, Jacobus A.K. Blokland, Socrates E. Papapoulos, Aeilko H. Zwinderman, and Ernest K.J. Pauwels

1411 Left Ventricular Perfusion and Performance from a Single Radiopharmaceutical and One Camera

Lynne L. Johnson, Roxanne A. Rodney, Robert A. Vaccarino, Patrick Egbe, Lisa Wasserman, Peter D. Esser, Theodore A. Posniakoff, and David W. Seldin

1417 Lung Scan Interpretation: A Physiologic, User-Friendly Approach

William C. Klingensmith, III and Steve A. Holt

1422 Editorial: Lung Scan Interpretation: A Physiologic, User-Friendly Approach

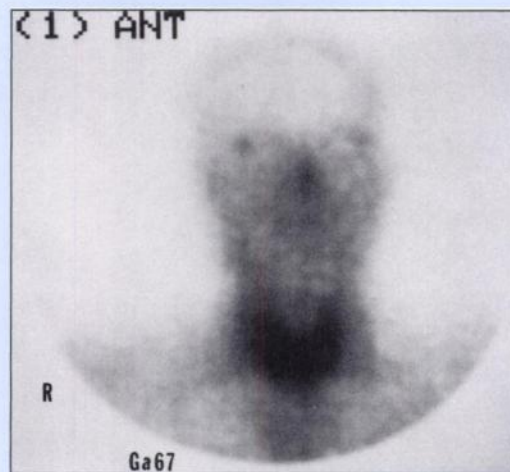
Alexander Gottschalk

FIRST IMPRESSIONS

Neck swelling in a 33-yr-old HIV+ patient.

A gallium scan suggests . . .

For acquisition information, turn to page 1277.



DEPARTMENTS

1303 Self-Study Test

1425 Letters to the Editor

1434 ACC/AHA/SNM Policy Statement: Standardization of Cardiac Tomographic Imaging

23A Calendar

26A Classified Advertising

27A Index to Advertisers