193 Ribose Accelerates Thallium-201 Redistribution

221 Immunoscintigraphy with Radiolabeled OC125

228 Technetium-99m-PMT in Hepatocellular Carcinoma Prognosis

293 Myocardial Viability and Activity of Sestamibi

325 Technetium-99m-MDP, Pleural Effusion, and Lymphoma

A Full Table of Contents Begins on Page 4A, Annotations on Pages 7A-8A

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Ribose Accelerates Thallium-201 Redistribution in Patients with Coronary Artery Disease

After immediate postexercise planar imaging, 17 patients with known coronary artery disease received either i.v. ribose or saline as a control. Page 193

Editorial: Thallium-201-Chloride for the Detection of Viable Myocardium. Page 200

Long-term Follow-up After Heterotopic Splenic Autotransplantation for Traumatic Splenic Rupture

In 13 traumatized patients, heterotopic splenic autotransplantation to the greater omentum was performed. Long-term follow-up (3–4.5 yr) using labeled heat-damaged autologous erythrocytes showed a significant increase in transplant size, as compared to the examination 1–7 mo after surgery. Page 204

Editorial: Compensatory Splenic Growth: Role of Function Indicators. Page 207

Visual Stimulation Increases Technetium-99m-HMPAO Distribution in Human Visual Cortex

Seven healthy subjects were injected with 740 MBq 99mTc-HMPAO on two separate days. On one day, injection followed closure of the eyes and patching for 5 min. On the other day, patients were exposed to stroboscopic light to produce photic stimulation. Page 210

Normative Data for Lumbar Spine Bone Mineral Content in Children: Influence of Age, Height, Weight, and Pubertal Stage

In 136 normal children, BMC was determined with a dual-photon absorptiometer. BMC was calculated as BML (per unit length) and BMD (per unit surface). For the whole group of studied children, the increase in BMC with age, height, and weight was best predicted by an exponential regression line analysis. Page 216

Reproducibility of Image Interpretation in Immunoscintigraphy Performed with Indium-111- and Iodine-131-Labeled-OCl25 F(ab’)2 Antibody Injected into the Same Patients

Paired immunoscintigraphic examinations were performed on 43 patients with suspected ovarian carcinoma recurrence. Page 221

Relationship of Uptake of Technetium-99m (Sn)-N-Pyridoxyl-5-Methyltryptophan by Hepatocellular Carcinoma to Prognosis

The median survival of 82 patients in whom hepatic tumors showed increased uptake was 1013 days, a survival rate significantly longer than that of the 80 patients in whom the tumors did not show increased uptake. Page 228

Editorial: Prognosis of Hepatocellular Carcinoma: Known to be Poor: Yet Difficult to Predict. Page 235

Assessment of Myocardial Perfusion in Patients After the Arterial Switch Operation

In 21 patients who had the arterial switch operation, the adequacy of myocardial perfusion was evaluated by 201TI scintigraphy. Tomographic imaging was performed at peak stress and 3 hr later in the reperfusion phase. Page 237

Comparison of In Vitro RBC Labeling with the UltraTag® RBC Kit Versus In Vivo Labeling

Myocardial Uptake of Carbon-11-Acetate as an Indirect Estimate of Regional Myocardial Blood Flow

In 22 patients with stable coronary artery disease, regional distribution of early net uptake of 11C-acetate was correlated with estimates of regional myocardial blood flow assessed with 15O-water. Page 245

Comparison of 1073 MBq and 3700 MBq Iodine-131 in Post-operative Ablation of Residual Thyroid Tissue in Patients with Differentiated Thyroid Cancer

In 63 patients with differentiated thyroid cancer, the authors were unable to demonstrate any appreciable difference between 3700 MBq and 1073 MBq 131I in regard to the number of doses required for complete scintigraphic ablation of residual functioning thyroid tissue. Page 252

Blood-Pool Radionuclide Angiography in Patients with a Novacor Left Ventricular Assist Device

Studies were performed during maximal and minimal tolerated assist device flows. All patients had severe left ventricular dilation and hypokinesis before insertion of the assist device. Page 255

Effect of Aortic Sclerosis on Bone Mineral Measurements by Dual-Photon Absorptiometry

Dual-photon absorptiometry scans were performed in the anteroposterior projection in 100 dissected abdominal aortae with different degrees of atherosclerosis placed on a human lumbar spine cast in lucite. The measured values were compared with those obtained in the same projection without the aortae. Page 259
Early Scintigraphic Detection of Experimental Myocardial Infarction in Dogs with Technetium-99m-Glucaric Acid

Technetium-99m-glucaric acid retention was studied in canine models of myocardial ischemia, acute myocardial infarction, and chronic infarction. Regional myocardial blood flow was measured by radiolabeled microspheres.

----------------------------------- Page 263

Editorial: Detection of Acute Myocardial Infarct by Infarct-Acid Imaging. ........................................ Page 269

Localization of Technetium-99m-Glucarate in Zones of Acute Cerebral Injury

Adult rats (63) with middle cerebral artery (MCA) occlusion followed by reperfusion were injected with 99mTc-glucarate. The radionuclide images were compared to the results of triphenyl tetrachloride staining and conventional histopathology. ........................................ Page 272

Variables Influencing Tumor Uptake of Anti-Melanoma Monoclonal Antibodies Radiolabeled Using the Polyiodophenyl (PIP) Conjugate

Tumor uptake was examined with respect to antigen expression, time-dependent biodistribution, dose of Mab injected, tumor size, and tumor site. ........................................ Page 279

Editorial: Biologic Characterization of Melanoma Tumors by Antigen-Specific Targeting of Radiolabeled Anti-Tumor Antibodies ........................................ Page 287

Effect of Coronary Occlusion and Myocardial Viability on Myocardial Activity of Technetium-99m-Sestamibi

In different groups of swine, sestamibi was administered prior to and during coronary artery occlusion and 30 min following reperfusion. Significantly reduced activity in the infarct zone was found to be independent of the timing of sestamibi administration with respect to the onset of myocardial ischemia and/or reperfusion. ........................................ Page 293

Editorial: Technetium-99m-Sestamibi: Another Window on Myocardial Viability ........................................ Page 298

Metabolic Imaging with Gallium-68- and Indium-111-Labeled Low-Density Lipoprotein

In vivo studies that compared 68Ga or 111In-DTPA-LDL with diaclofor-125I-tyramine LDL and 111In-LDL showed that both 68Ga- and 111In-labeled LDL behaved as residualizing radiotracers. ........................................ Page 300

Imaging Histamine H1 Receptors in the Living Human Brain with Carbon-11-Pyrillamine

Distribution and kinetics were examined in vivo in two baboons and one human by PET. The in vivo specific binding to the H1 receptors in different brain regions at 7 min after injection correlated with in vitro H1 histamine receptor distribution in human brain tissue obtained at autopsy. ........................................ Page 308

Clinicopathologic Conferences: Myocarditis Simulating Myocardial Infarction ........................................ Page 312

Isolated Muscular Sarcoidosis Causing a Fever of Unknown Origin: The Value of Gallium-67 Imaging

In a patient with a long-standing fever of unknown origin, 67Ga imaging revealed increased activity only in the calf muscles bilaterally. Other modalities also failed to show chest or other abnormal findings. ........................................ Page 319

Extracranial Metastatic Glioblastoma: Appearance on Thallium-201-Chloride/Technetium-99m-HMPAO SPECT

Sequential 201Tl-chloride and 99mTc-HMPAO SPECT images were obtained in a patient with extracranial metastatic glioblastoma multiforme. Possible mechanisms for uptake are reviewed. ........................................ Page 322

Technetium-99m-Methylenediphosphonate (MDP) Uptake in a Sympathetic Effusion: An Index of Malignancy and a Review of the Literature

Malignant cells were not present on three cytologic examinations of the pleural fluid or multiple pleural biopsies. ........................................ Page 325

Gallium Uptake in Tryptophan-Related Pulmonary Disease

A patient developed fever, fatigue, muscle weakness, dyspnea, skin rash, and eosinophilia after taking high doses of tryptophan for insomnia for 2 yr. Gallium scan revealed diffuse increased uptake in the lung and no abnormal uptake in the muscular distribution. ........................................ Page 328


Two patients studied with 99mTc-labeled RBCs for gastrointestinal bleeding had positive findings only on 24-hr delayed images. At the point of active bleeding, the patient was reinjected and the site of extravasation identified. ........................................ Page 330

Three-Dimensional Simulations of Multidetector Point-Focusing SPECT Imaging

Using simulated projection data from a multidetector point-focusing SPECT instrument, the authors have uncovered apparent artifacts in the reconstructed data. ........................................ Page 333

A Kit Formulation for Preparation of Iodine-123-IBZM: A New CNS D-2 Dopamine Receptor Imaging Agent

By using a rapid filtration technique to remove unreacted iodide, kit preparation can be completed in less than 20 min with an overall yield of greater than 60% ........................................ Page 339

Determination of Weighting Functions for Energy-Weighted Acquisition

A methodology by which weighting functions can be produced is described. ........................................ Page 343