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Somatostatin Scanning in Small-Cell Lung Cancer		
Diagnosis of Vertebral Osteomyelitis		
Postoperative Laparoscopic Cholecystectomy		
22 Recent Studies with Sestamibi and Teboroxime		

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#### Radioiodinated Somatostatin Analog Scintigraphy in Small-Cell Lung Cancer

In five of eight patients with small-cell lung cancer, tumor deposits were detected using radioiodinated <sup>123</sup>I-Tyr3-octreotide scintigraphy.

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#### Assessment of Left Ventricular Diastolic Function: Comparison of Contrast Ventriculography and Equilibrium Radionuclide Angiography

Diastolic function was assessed in 22 patients with coronary artery disease by both radionuclide angiography and contrast ventriculography... Page 1849

#### Detection of Infectious Foci with Indium-111-Labeled Autologous Leukocytes and Indium-111-Labeled Human Nonspecific Immunoglobulin G: A Prospective Comparative Study

Radionuclide Diagnosis of Vertebral Osteomyelitis:

Indium-111-Leukocyte and Technetium-99m-Methylene Diphosphonate Bone Scintigraphy

# Effects of Visual Stimulation on the Redistribution of Iodine-123 in the Brain Using SPECT Imaging

Early and Late Lesion-to-Non-Lesion Ratio of Thallium-201In This Month's Issue of

JNM

### Chloride Uptake in the Evaluation of "Cold" Thyroid Nodules

To differentiate benign from malignant nodules, 49 consecutive patients with cold thyroid nodules were studied using early and late visual semi-quantitative measurements of <sup>201</sup>Tl uptake.

..... Page 1873

#### Rhenium-186-(Sn)HEDP for Treatment of Painful Osseous Metastases: Results of a Double-Blind Crossover Comparison with Placebo

## Clinical Significance of the Solitary Functioning Adrenal Gland

Seventeen patients with a single functioning adrenal gland and normal indices of adrenocortical function were studied with NP-59 scintigraphy and computed tomography. Page 1882

#### 14(R,S)-[18F]Fluoro-6-Thia-Heptadecanoic Acid (FTHA): Evaluation in Mouse of a New Probe of Myocardial Utilization of Long-Chain Fatty Acids

The in vivo distribution and metabolism of a radiolabeled long-chain fatty acid analog, designed to undergo metabolic trapping subsequent to its commitment to the beta-oxidatioin pathway, was characterized in mice..... Page 1888

#### Normalization of Stress and Delayed Thallium-201 Myocardial SPECT: Where Is the Normal Reference Area?

#### Right Aortic Arch: Demonstration by First-Pass and Multigated Radionuclide Ventriculography

#### Pachydermoperiostosis: Technetium-99m-Methylene Diphosphonate Scintigraphic Pattern

Bone scan revealed pericortical uptake involving the distal end of long bones in two cases of pachydermoperiostosis, both with joint pain and swelling.... Page 1907

#### Scintigraphic Evaluation of Postoperative Complications of Laparoscopic Cholecystectomy

#### Skeletal Angiomatosis Limited to the Hand: Radiographic and Scintigraphic Correlation

#### Bilateral Subdural Hematomas Diagnosed with Technetium-99m-HMPAO Brain SPECT

An elderly patient with a complex history of organic dementia but a normal neurologic examination had an HMPAO brain scan. The study showed no perfusion abnormality, but bilateral flattening and inversion of

Annotations 7A

the normal hemispheric convexities	with those obtained with conventional 99m/Tc-DTPA aerosol in 50 patients	The Effect of Flow on Technetium-99m-Teboroxime (SQ30217) and Thallium-201 Extraction and Retention in Rabbit Heart The single-pass extraction,
Motion-correction algorithms for initial transit radionuclide angiocardiograms acquired at rest and during bicycle and treadmill were tested in 20 subjects Page 1918	Myocardial Oxygen Consumption by PET  A tracer kinetic model comprising two and three compartments was developed to describe intravascular and myocardial <sup>11</sup> C-acetate kinetics as	retention/washout and relative net uptake of <sup>99m</sup> Tc-teboroxime and <sup>201</sup> Tl were evaluated and compared in 20 isolated blood-perfused rabbit hearts
Three-Dimensional SPECT Simulations of a Complex Three- Dimensional Mathematical Brain Model and Measurements of the Three-Dimensional Physical Brain Phantom	defined by PET	Is There Additional Useful Information in the Myocardial Washout Characteristics of Teboroxime?
A three-dimensional simulation of SPECT imaging was applied to the Hoffman three-dimensional brain model to generate the projection data of both a parallel-hole and a multidetector SPECT system with point-focussing collimators Page 1923	Metabolism: Physiologic Basis and Clinical Significance Page 1957  Technetium-99m-Sestamibi Myocardial Perfusion Imaging in Detection of Coronary Artery Disease: Comparison Between Initial (1 Hour) and Delayed (3	Enhancement by Tetraphenylborate of Technetium-99m-MIBI Uptake Kinetics and Accumulation in Cultured Chick Myocardial Cells  To test for enhancement of uptake kinetics by lipophilic anions, cultured chick heart cells were exposed to
Optimal Scan Time of Oxygen-15-Labeled Water Bolus Injection Method for Measurement of Cerebral Blood Flow	Hour) Postexercise Images  The myocardial clearance of <sup>99m</sup> Tc-seastamibi and ischemic/normal wall ratios at 1 hr and at 3 hr postinjection at stress were studied in	tetraphenylborate. Retention of Tc-MIBI by the cells was reduced by incubation with a mitchondrial uncoupler
Sequential dynamic scan measurements of six subjects were used to determine the optimal scan time for obtaining maximal signal-to-noise ratios in cerebral blood flow measured by PET following bolus injection of H <sub>2</sub> <sup>5</sup> O	25 patients with coronary artery disease	Demonstration of Differential Post- Stenotic Myocardial Technetium-99m-Teboroxime Clearance Kinetics After Experimental Ischemia and Hyperemic Stress
Editorial: Optimization of Regional Cerebral Blood Flow Measurements with PET	Tomographic Myocardial Perfusion Imaging with Technetium-99m- Teboroxime at Rest and After Dipyridamole	Using dynamic planar gamma camera imaging in pre-instrumented dogs in the control state, during total occlusion, and pharmacologic stress, the clearance kinetics of 99mTc-
Measurements of Regional Ventilation and Pulmonary Gas Volume: Theory and Error Analysis with Special Reference to Positron Emission Tomography	Teboroxime was administered simultaneously with radioactive microspheres, at rest and following infusion of dypridamole in dogs with stenosis of a coronary artery. The investigators describe the influence of	Editorial: Differential Myocardial Washout of Technetium-99m- Teboroxime: Mechanism and
Quantitative analysis of a steady-state lung model was adapted to PET for the measurement of alveolar ventilation	Increased Accumulation of Hexakis (2-methoxyisobutylisonitrile) Technetium (I) in Osteosarcoma and Its Metastatic Lymph Nodes	A Review of Cardiac Imaging with Sestamibi and Teboroxime  This review characterizes the basic
Technique for the Detection of Altered Pulmonary Permeability	Scintigraphy using Tc-MIBI was	properties of sestamibi and

performed in a patient with

osteosarcoma of the right tibia.

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Half-time pulmonary clearances with

modified Technegas were compared

teboroxime and outlines indications

and protocols for their clinical use.

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