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Samarium-153-EDTMP Biodistribu-			
tion	and	Dosimetry	Estimation

In a Phase 1 escalating dose protocol for palliation of pain, 52 patients with metastatic prostate cancer were treated with single doses of ¹⁵³Sm-EDTMP.

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Effect of Clodronate Treatment on Bone Scintigraphy in Metastatic Breast Cancer

Thallium-201 Versus Technetium-99m-MIBI in Evaluation of Childhood Brain Tumors: A Within-Subject Comparison

The relative diagnostic accuracy of ²⁰¹Tl and ⁹⁹Tc-MIBI was evaluated by SPECT imaging of 19 children with brain tumors initially diagnosed on clinical or histological grounds.

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Technetium-94m-Teboroxime: Synthesis, Dosimetry and Initial PET Imaging Studies

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Radioimmunolocalization of Metastatic Breast Carcinoma Using Indium-111-Methyl Benzyl DTPA BrE-3 Monoclonal Antibody: Phase 1 Study

A Phase 1 clinical study using "In-MX-DTPA-BrE-3 was undertaken to determine the pharmacokinetics, tumor localization and toxicity of this radioimmunoconjugate page 1067

Studies with Positron Emission Tomography After Systemic Administration of Fluorine-18-Uracil in Patients with Liver Metastases from Colorectal Carcinoma

To evaluate its uptake and kinetics in vivo, 50 patients with 78 hepatic metastases from colorectal tumors were injected with ¹⁸F-fluorouracil and examined with PET.......page 1075

Gallium-67 and Technetium-99m-Methylene Diphosphate Scintigraphy in Determining Prognosis for Children with Stage IV Neuroblastoma

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Regional Cerebral Blood Flow in Mood Disorders. II. Comparison of Major Depression and Alzheimer's Disease

Regional cerebral blood flow in matched groups with major depression, Alzheimer's disease, and in controls was compared. The scaled subprofile model (developed to identify abnormalities in regional networks) indicated distinct topographic profiles.

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Evaluation of Effective Portal Venous Flow in Chronic Liver Diseases Using Echo-Doppler Flowmetry Combined with Per Jejunal Portal Scintigraphy

Ventilation-Perfusion Scintigraphy in the PIOPED Study. Part I. Data Collection and Tabulation

Part one details the methods used to describe and categorize ventilation-perfusion scintigrams obtained in patients enrolled in the PIOPED study.

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Ventilation-Perfusion Scintigraphy in the PIOPED Study. Part II. Evaluation of the Scintigraphic Criteria and Interpretations

A Gallium-68 Radiopharmaceutical That Is Retained in Myocardium: "Ga[(4,6-MeO2sal)2BAPEN]"

The ⁶⁷Ga complex of this ligand was prepared by ligand exchange from ⁶⁷Ga-acetylacetonate and its biodistribution determined in ether-anesthetized rats following intravenous injection.
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Editorial: Clinical PET—Its Time Has Come? page 1132

Sperm Cell Dynamics in the Female Rabbit Genital Tract After Insemination Monitored by Radiolabeled Spermatozoa

The authors performed noninvasive

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dynamic imaging of ^{99m}Tc-HMPAOlabeled spermatozoa in the female rabbit genital tract. Motility and labeling stability was analyzed page 1134

Evaluation of Metaiodobenzylguanidine Uptake by the Norepinephrine, Dopamine and Serotonin Transporters

Biotinylated Iodo-Polylysine for Pretargeted Radiation Delivery

The authors offer an "alternative" radiobiotin tracer with the goal of improved targeting to prelocalized streptavidin. In vivo localization of this tracer was evaluated in a rat model in which streptavidin agarose beads were physically localized to precapillary arterioles in the lungs page 1147

Iododeoxyuridine Uptake and Retention as a Measure of Tumor Growth

Uptake and retention of IUDR was measured in two C6 glioma cell lines with different growth characteristics.
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Renal Scintigraphy in Acute Scleroderma: Report of Three Cases

Diagnosis of Renovascular Hypertension with Captopril Renal Scintigraphy in a Patient with a Solitary Kidney

A patient with a solitary kidney due to renal agenesis and contralateral kidney perfusion impairment due to renal artery stenosis was successfully treated with percutaneous transluminal renal angioplasty......page 1166

Prompt Visualization of the Gallbladder with a Rim Sign—Acute or Subacute Cholecystitis?

An immunosuppressed neutropenic patient developed symptoms of acute cholecystitis. A %TC-DISIDA scan demonstrated a rim sign but with normal gallbladder visualization. On restudy, with the white count recovering, a persistent rim sign was seen, but without gallbladder visualization.

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A Case of Metastatic Malignancy Masquerading as an Hepatic Hemangioma on Labeled Red Blood Cell Scintigraphy

Tumor Targeting In Vivo and Metabolic Fate of 5-[Iodine-125]Iodo-2-Deoxyuridine Following Intratumoral Injection in Patients with Colorectal Cancer

Twenty-four hours before ablative surgery, ten patients with colorectal cancer were injected intratumorally with radioiodinated IUdR. Following resection, activity in the tumor and surrounding tissues was measured in a gamma counter and microautoradiography was performed page 1175

Quantification of Renal Uptake of Technetium-99m-DTPA Using Planar Scintigraphy: A Technique That Considers Organ Volume

"Anatometabolic" Tumor Imaging: Fusion of FDG PET with CT or MRI to Localize Foci of Increased Activity

A method for digitally fusing metabolic PET images with anatomic CT or MRI images was validated in ten patients with a variety of visceral cancers.

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Results of a Clinical Receiver Operating Characteristic Study Comparing Filtered Backprojection and Maximum Likelihood Estimator Images in FDG PET Studies

Iterative Reconstruction Methods for Nonuniform Attenuation Distribution in SPECT

Comparison of Personnel Radiation Dose from Myocardial Perfusion Scintigraphy: Technetium-99m-Sestamibi Versus Thallium-201

Clinicopathologic Conferences: Paget's Disease in a Patient with Breast Cancer