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To evaluate the feasibility of probing the distribution of ACE in vivo using PET, 4-\[^{18}\text{F}\text{CAP}\] was prepared by the reaction of the triflate 2 with K\[^{18}\text{F}\text{Kryptofix}\] 222 in MeCN followed by hydrolysis. \(\ldots\) Page 1730

Brief Inhalation Method To Measure Cerebral Oxygen Extraction Fraction with PET: Accuracy Determination Under Pathologic Conditions
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Radiolabeled 1-(5-ido-5-deoxy-\beta-D-arabinofuranosyl)-2-nitroimidazole (IAZA): A Novel Marker of Tissue Hypoxia
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Pentavalent Technetium-99m-DMSA Uptake in a Patient Having Multiple Myeloma Without Amyloidosis
A 61-yr-old woman presenting with tumors in the clavicular and sternal regions and underwent pentavalent \[^{99}\text{m}\text{Tc}\text{DMSA}\] imaging. \(\ldots\) Page 1785

Isotopic Findings in Anomalous Origin of the Left Coronary Artery from the Pulmonary Artery: Report of an Adult Case
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Gallium-SPECT in the Detection of Prosthetic Valve Endocarditis and Aortic Ring Abscess
A 52-yr-old man who had a bioprosthetic aortic valve developed \textit{Staphylococcus aureus} bacteremia. Echocardiography did not demonstrate vegetations on the valve, but gallium-SPECT identified a focus of activity. \(\ldots\) Page 1791

Reorientation of the Left Ventricular Long-Axis on Myocardial Transaxial Tomograms by a Linear Fitting Method
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An Improved Method for the Quantification of Left-to-Right Cardiac Shunts
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Cone-Beam Transmission Computed Tomography for Nonuniform Attenuation Compensation of SPECT Images
Cone-beam transmission CT was implemented on a rotating gamma camera. Attenuation compensation accuracy was tested using basic geometries of line sources and nonuniform density models. \(\ldots\) Page 1813

Simplified Methods for Renal Clearance in Children: Scaling for Patient Size
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