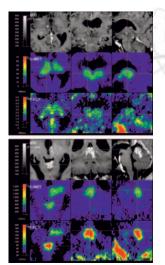
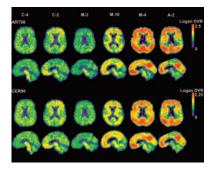
THIS MONTH IN

INM

Boswell and Brechbiel outline the rationale for the utility of a new class of trifunctional somatostatin analogs (described elsewhere in this issue) that are transported into both targeted tumor cells and into the nuclei, where Auger electrons are most lethal. Page 1946

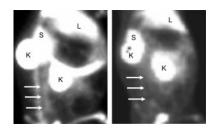


Yamauchi and colleagues use ¹¹C-flumazenil PET to measure benzodiaz-



Pellegrino and colleagues assess the relationship between brachial artery flowmediated dilation and coronary flow reserve as estimated by sestamibi imaging in patients with peripheral artery disease.

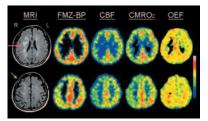
..... Page 1997



Khorsand and colleagues evaluate myocardial electrocardiography-gated ¹³Nammonia PET in the simultaneous assessment of myocardial perfusion, left ventricular geometry, and contractile function.

..... Page 2009

Bleeker-Rovers and colleagues assess the value of ¹⁸F-FDG PET imaging in detecting metastatic infectious foci in patients with bacteremia or fungemia at high risk of metastatic infection.



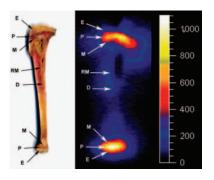
Wieder and colleagues evaluate chemotherapy-induced changes in tumor glucose use and tumor size in patients with adenocarcinoma of the esophagogastric junction undergoing ¹⁸F-FDG PET and CT imaging before, during, and after neoadjuvant chemotherapy. Page 2029

Boersma and colleagues review the clinical relevance, limitations, and potential applications of visualizing apoptosis with

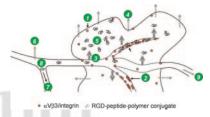
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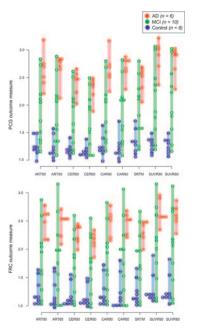
the programmed cell-detecting protein annexin A5. Page 2035



Buursma and colleagues evaluate the feasibility of monitoring gene therapy



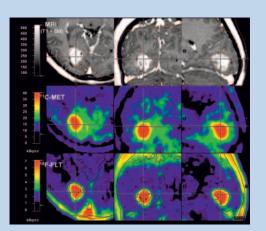
Ginj and colleagues report on the design, synthesis, and preclinical assessment of new trifunctional conjugates of somatostatin that target the nucleus to



provide a better carrier for Auger electronemitting radionuclides and ensure longer retention in tumor cells. Page 2097

ON THE COVER

The newly developed ¹⁸F-FLT PET is compared with the routinely used ¹¹C-MET PET and contrast-enhanced MRI in these images of a 26-y-old woman with a WHO grade I astrocytoma. The findings illustrate the ability of ¹⁸F-FLT PET to determine DNA metabolism and amino acid uptake, as well as the integrity of the blood–brain barrier, in patients with gliomas and clarify the role of ¹⁸F-FLT in the diagnosis of primary central nervous system tumors.



COLOR