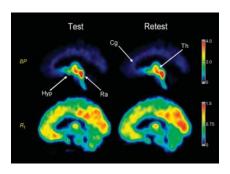
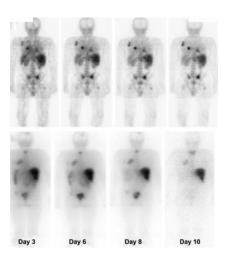
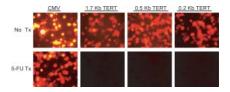
THIS MONTH IN

INM



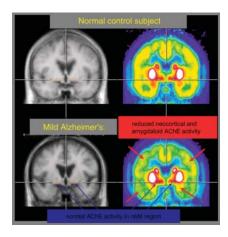
Ciarmiello and colleagues report on findings, including PET data, indicating that white-matter volume loss may precede graymatter atrophy long before onset of clinical symptoms of Huntington's disease and that this loss may be associated with neuronal dysfunction in early disease. Page 215





Even-Sapir and colleagues report on the comparative abilities of ^{99m}Tc-MDP planar bone scintigraphy, SPECT, ¹⁸F-fluoride PET, and ¹⁸F-fluoride PET/CT in the detection of bone metastases in patients with high-risk prostate cancer. *Page 287*

Allen-Auerbach and colleagues investigate the incidence of missed pulmonary micronodules on PET/CT studies acquired during shallow breathing and discuss the implications of their findings for comprehensive cancer staging. Page 298

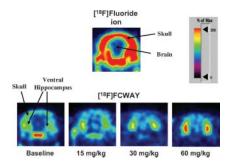


Garcia and colleagues describe a novel system developed to assist physicians in detecting renal obstruction in patients undergoing pre- and postfurosemide ^{99m}Tc-MAG3 scanning. *Page 320*

Large MI
Vertical long axis

Limited MI
Horizontal long axis

Tipre and colleagues explore in vivo inhibition of defluorination of ¹⁸F-FCWAY in a rat model to improve use of the tracer in PET assessment of brain regional 5-HT_{1A} receptor densities. . . . *Page 345*



ON THE COVER

In this illustration of the possible effect of different numbers of radiotracer injections (X) on the outcome of lymphoscintigraphy, arrows represent lymphatic flow. A single injection (left) might enter only central lymphatic vessels, missing those potentially containing malignant cells. Moreover, the large volume of tracer used might cause nonsentinel nodes to be detected. Multiple injections (right) might enter peripheral lymphatic vessels and thus detect sentinel nodes containing metastatic melanoma cells. Moreover, the small volume of tracer used might help to avoid detection of second-tier nodes.

