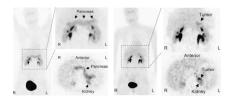
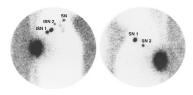
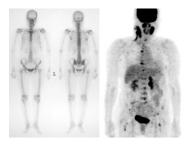
JNM

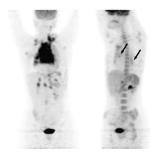
PET response evaluation for NSCLC: de Geus-Oei and colleagues assess the value of ¹⁸F-FDG PET in predicting chemotherapy response in patients with non-small cell lung cancer and compare 2 methods for quantifying changes in glucose metabolism in such studies. Page 1592





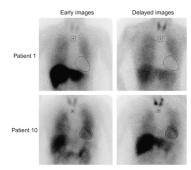


Dental effects of radioiodine therapy: Walter and colleagues investigate the long-term incidence of dental problems after high-dose ¹³¹I therapy for differentiated thyroid cancer and describe associated risk factors. . . . *Page 1620*



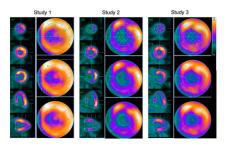
Nicotinic receptor availability in nonsmokers: Cosgrove and colleagues use SPECT and MRI to examine the availability of nicotinic acetylcholine receptors in healthy men and women and assess whether menstrual phase in women affects these findings. Page 1633

Perspectives on dementia: Inui and colleagues assess a combined SPECT approach using ¹²³I-IMP for brain perfusion imaging, ¹²³I-MIBG for cardiac sympathetic nerve function, and ⁹⁹mTc-sestamibi for myocardial function in patients with probable or possible dementia with Lewy bodies. ... *Page 1641*



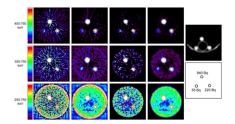
¹⁸F-FDOPA kinetics in brain tumors: Schiepers and colleagues investigate the action of this amino acid analog using PET in patients with brain tumors to derive a useful clinical model of uptake for different types of neoplasms. Page 1651





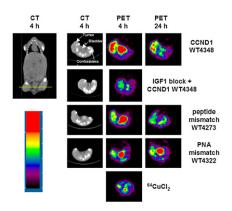
Nicorandil therapy in acute MI: Kasama and colleagues use ¹²³I-MIBG scintigraphy to explore the long-term effects of this adenosine triphosphate–sensitive potassium channel opener in patients with acute myocardial infarction. *Page 1676*

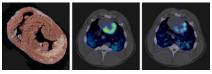
Weak sources in PET: Goertzen and colleagues evaluate the potential effects of intrinsic radioactivity in lutetium oxyorthosilicate—based small-animal PET imaging and offer advice on strategies for visualizing weak sources in these scanners. Page 1692

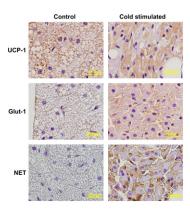


PET in breast cell proliferation: Tian and colleagues report on PET imaging and

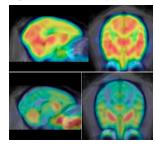
quantitation with a dual-specificity probe that molecularly targets both *CCND1* mRNA and insulinlike growth factor 1 receptor in early breast cancer. *Page 1699*







PET and methamphetamine effects: Fowler and colleagues measure the pharmacokinetics of two ¹¹C-labeled methamphetamine enantiomers in the baboon brain and peripheral organs to assess the saturability and pharmacologic specificity of binding. . . . *Page 1724*



ON THE COVER

Mean parametric images illustrating $^{123}\text{I-}5\text{-IA-}85380$ activity in 10 men and 19 women in $V_T{}'$ (regional activity divided by total plasma parent between 6 and 8 h) and V_T (regional activity divided by free plasma parent between 6 and 8 h). Across brain regions, the main $V_T{}'$ component was significantly greater in women than in men, but the main V_T component did not significantly differ between the sexes.



See page 1637.