THIS MONTH IN

JNM

Lymphoscintigraphy and nonsentinel node metastasis: Lee and colleagues describe a new model that uses sentinel lymphoscintigraphic findings and histopathologic parameters as covariates for predicting the likelihood of nonsentinel lymph node metastases in breast cancer. Page 1693

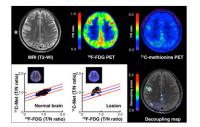
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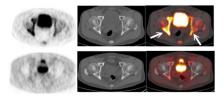
Radioembolization after PRRT: Ezziddin and colleagues report on a study of the safety of ⁹⁰Y microsphere radioembolization as salvage treatment in patients with neuroendocrine tumors after failed peptide receptor radionuclide therapy Page 1663

Bone scans and sunitinib response: Saylor and colleagues evaluate images from a phase 2 study of sunitinib in prostate cancer to assess the significance of tyrosine kinase inhibitor–induced improvements in ^{99m}Tc-MDP bone scans..... Page 1670

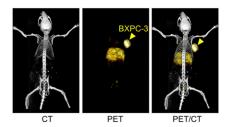
PET in suspected NETs: Haug and colleagues investigate the use of ⁶⁸Ga-DOTATATE PET/CT as a tool for early diagnosis and reliable exclusion in patients with suspected nonlocalized neuroendocrine tumors Page 1686

PET index for glioma detection: Kinoshita and colleagues evaluate the utility of ¹⁸F-FDG–¹¹C-methionine PET decoupling analysis for quantitatively assessing glioma cell infiltration in nonenhancing MRI T2 hyperintense lesions *Page 1701*



Caffeine occupancy of adenosine receptors: Elmenhorst and colleagues describe visualization and quantification of in vivo occupancy of the human cerebral A₁ adenosine receptor using ¹⁸F-CPFPX PET..... *Page 1723* 

Imaging and liver radioembolization: Uliel and colleagues provide an educational overview of the anatomic, angiographic, and nuclear imaging aspects of endovascular mapping and conjoint ^{99m}Tc-MAA hepatic perfusion imaging before radioembolization with ⁹⁰Y-loaded microspheres in hepatic malignancies Page 1736



 ⁶⁴Cu-labeled antibody targeting: Vāvere and colleagues detail the conjugation and biodistribution of a radiolabeled antibody that could facilitate clinical PET assessment of anti-GD2 immunotherapies and complement other imaging modalities in the staging and treatment of neuroblastoma Page 1772

¹⁸**F-FPTP cardiac PET in mice:** Kim and colleagues report on initial animal studies with a radiolabeled lipophilic cationic compound with high potential as a mitochondrial voltage sensor for PET imaging..... Page 1779

MuPET camera performance: Wong and colleagues describe a dedicated high-resolution, high-sensitivity, and low-cost preclinical murine PET camera and report on its conformance with NEMA standards Page 1786

¹¹C-PHNO whole-body dosimetry: Mizrahi and colleagues measure the wholebody distribution of this promising D_{2/3} agonist for PET imaging, as a function of time in adult subjects to determine the internal radiation dose Page 1802



ON THE COVER

In this patient with suspected NET, an intense focus of 68 Ga-DOTATATE seen on PET, without abnormalities on CT, was histologically confirmed to be a <10-mm glucagonoma.



See page 1690.