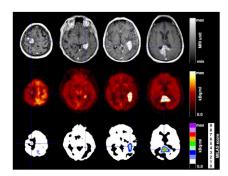
THIS MONTH IN

JNM

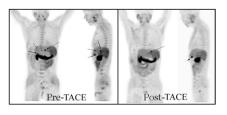
Molecular imaging with reporter genes: Brader and colleagues offer perspectives on radionuclide-based reporter gene imaging as developed and applied in preclinical and clinical studies Page 167

¹⁸F-fluoride and ¹⁸F-FDG PET/CT: Iagaru and colleagues report on the use of combined ¹⁸F⁻/¹⁸F-FDG in a single PET/CT examination for evaluation of cancer patients and compare the results with those from separate ¹⁸F⁻ and ¹⁸F-FDG PET/CT imaging..... Page 176

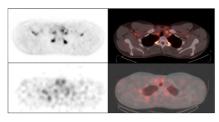
PET in primary CNS lymphoma: Kasenda and colleagues investigate the prognostic utility of pretreatment ¹⁸F-FDG PET in patients with primary central nervous system lymphoma **Page 184**



Dual-tracer PET/CT and liver transplantation: Cheung and colleagues compare the effectiveness of ¹¹C-acetate and ¹⁸F-FDG PET/CT with that of contrast CT in selecting patients with hepatocellular carcinoma for liver transplantation on the basis of the Milan criteria . *Page 192*



Visualization of brown adipose tissue: Admiraal and colleagues look at the feasibility of and incremental information provided by combined ¹²³I-MIBG SPECT/CT and ¹⁸F-FDG PET/CT imaging of brown adipose tissue activity in humans during cold exposure...... Page 208



Fully automated cardiac SPECT: Arsanjani and colleagues compare the performance of fully automated quantification of attenuation-corrected and noncorrected myocardial perfusion SPECT with the corresponding performance of experienced readers in detection of coronary artery disease. Page 221 ¹⁸F-FET PET in cerebral lesions: Rapp and colleagues assess the clinical value of ¹⁸F-FET PET in the initial diagnosis of cerebral lesions suggestive of glioma.....*Page 229*

Tissue density and 3D dosimetry: Dieudonné and colleagues evaluate the impact of tissue density heterogeneities on dosimetry when using a dose kernel convolution method in absorbed dose calculations in molecular radionuclide therapy and propose a density correction method........... Page 236

¹⁸F-labeled agent for islet imaging: Wu and colleagues describe the development of and initial studies with an ¹⁸F-labeled exendin-4 PET agent with high specific activity for islet imaging targeting the glucagonlike peptide-1 receptor Page 244

Metformin and tumor metabolism: Habibollahi and colleagues investigate this antidiabetes drug as a central cellular energy sensor and explore the effects on glucose uptake as well as on ¹⁸F-FDG and ¹⁸F-FLT PET in assessing its effectiveness as an antineoplastic agent Page 252

Cardiac endothelin receptor PET: Higuchi and colleagues determine the feasibility

PET and TSPO in EAE: Mattner and colleagues use ¹⁸F-PBR111, with high

Synthesis and evaluation of ¹⁸F-FE-PEO: Riss and colleagues describe the development of and early studies with this ¹⁸F-labeled opioid receptor agonist as a candidate PET tracer with specific advantages over ¹¹C-labeled agonist radiotracers in the brain Page 299

ON THE COVER

¹¹C-PIB PET has shown promise in the specific identification of cardiac amyloid deposits. Uptake is obvious in the left ventricular wall of patients.

See page 213.

