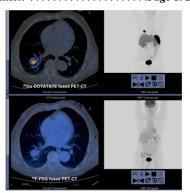
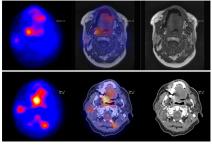
# JNM

#### <sup>18</sup>F-FDOPA and neuroendocrine tumors:

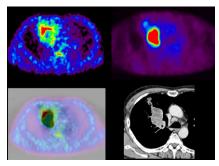
# Nonrigid registration of chest PET/CT:



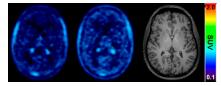
# Fitted input function to estimate MR<sub>glc</sub>: Vriens and colleagues report on and validate

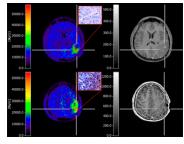
<sup>18</sup>F-FDG PET in HNSCC follow-up: Krabbe and colleagues assess the role and 

# $^{18}\mbox{F-FDG}$ and $^{62}\mbox{Cu-ATSM}$ in lung cancer:

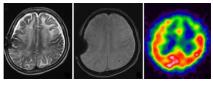


### Cerebral P-gp inhibition by tariquidar:



<sup>11</sup>C-MET PET and glioma progression: Ullrich and colleagues investigate the potential of <sup>11</sup>C-MET PET to detect tumor 

#### Ischemia in cerebral amyloid angiopathy:

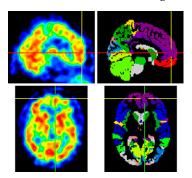


#### Reference tissue models in BBB disruption:

Folkersma and colleagues assess and validate a simplified reference tissue model for analyzing dynamic (*R*)-<sup>11</sup>C-PK11195 scans in traumatic brain injury, where blood–brain barrier disruptions are likely. . . . . *Page 1975* 

# **Endothelial dysfunction in diabetes:**

## V/Q SPECT and low-dose CT vs. MDCT

Cerebral blood flow in diabetes: Káplár and colleagues look for differences in global or regional cerebral blood flow resulting 

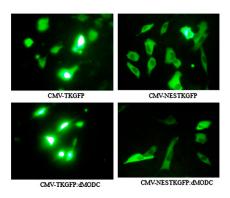
**Pretargeted RIT of pancreatic cancer:** Karacay and colleagues report on a novel pretargeting procedure for therapeutic delivery of <sup>90</sup>Y-labeled PAM4 IgG, a monoclonal antibody that recognizes a unique epitope associated with a mucin in pan-

creatic cancer. . . . . . . . . . . . . . . . . Page 2008

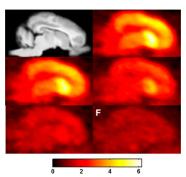
RIT with <sup>125</sup>I-mAbs: Santoro and colleagues assess the in vivo biologic efficiency

of internalizing and noninternalizing <sup>125</sup>I-labeled monoclonal antibodies for the treatment of small solid tumors. . . . . *Page 2033* 

Mutant TK/GFP fusion reporter: Hsieh and colleagues construct a mutant thymidine kinase/green fluorescent protein reporter gene with low cytotoxicity and high temporal resolution for real-time optical and PET monitoring of transcription induction and other biochemical changes. . . . . Page 2049

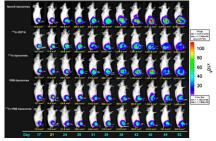


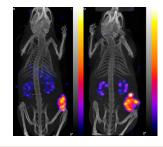
**PET radioligand for H<sub>3</sub> receptors:** Plisson and colleagues synthesize and evaluate the potential utility of <sup>11</sup>C-GSK189254, a histamine H<sub>3</sub> receptor antagonist, for PET imaging of these receptors. . . . . *Page 2064* 



Therapy and <sup>111</sup>In-vinorelbine liposomes: Chow and colleagues investigate the therapeutic effectiveness of specific amounts of these PEGylated liposomes by varying radiation dosage and concentrations of chemotherapeutic agents in animal tumor

growth suppression studies. . . . . Page 2073





# ON THE COVER

Both ventilation—perfusion SPECT and multidetector CT angiography have high accuracy in the diagnosis of pulmonary embolism, but only limited data comparing the two are available. A prospective study using a hybrid scanner has concluded that ventilation—perfusion SPECT in combination with unenhanced low-dose CT has excellent diagnostic performance and should probably be considered first-line imaging in the work-up of most cases of pulmonary embolism.

See page 1990.

