# INM

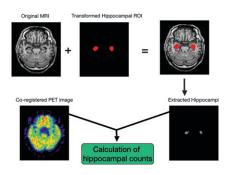
### Characterizing pulmonary hypertension:

Tunariu and colleagues compare the efficacy of ventilation–perfusion scintigraphy with that of CT pulmonary angiography in identifying patients with chronic thromboembolic pulmonary disease and in hastening the initiation of effective therapies. . . Page 680

### Tracer influence on lymphoscintigraphy:

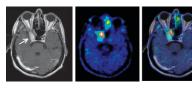
Cardiac SPECT/CT fusion: Gaemperli and colleagues report on initial experience with fused 3D SPECT/CT in patients with coronary artery disease and on the potential of this technique for providing incremental diagnostic information on the functional relevance of coronary artery lesions. . . Page 696

**PET and MRI in mild dementia:** Ishii and colleagues investigate regional and patho-

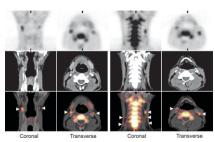


**Deep breath-hold PET/CT:** Meirelles and colleagues detail the detection and characterization of thoracic lesions by PET/CT imaging acquired with and without a novel deep-inspiration protocol. . . . . Page 712

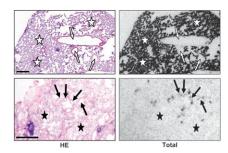
# <sup>18</sup>F-TYR PET/CT and meningiomas:



<sup>18</sup>F-FLT PET in lymph node staging: Troost and colleagues assess the value of <sup>18</sup>F-FLT PET in determining lymph node status in patients with newly diagnosed squamous cell carcinoma of the head and neck. ... Page 726



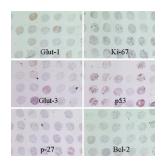
**GLP-1 receptors in tumors:** Körner and colleagues report on in vitro evaluations of GLP-1 receptor expression in a variety of human tumors and nonneoplastic tissues and discuss the promise of GLP-1 recep-

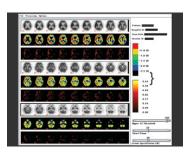


### Postacquisition motion detection in PET:

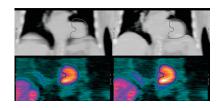
**PET and molecular markers:** Riedl and colleagues explore the prognostic capabilities of PET by determining the extent to which presurgical <sup>18</sup>F-FDG PET images in metastatic colorectal cancer correlate with

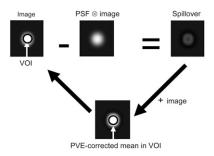
other cellular characteristics and clinical behaviors of these tumors. . . . Page 771





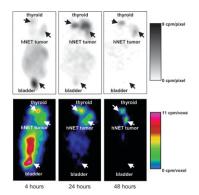
**Cine CT in cardiac PET/CT:** Alessio and colleagues investigate the use of cine CT,



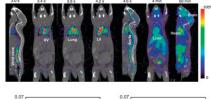


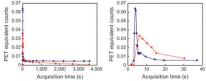
### <sup>124</sup>I-MIBG hNET reporter gene imaging:

Moroz and colleagues detail the construction of a novel internal ribosomal entry site-linked norepinephrine transporter hybrid reporter gene radiolabeled for both nuclear and optical imaging. . . . Page 827



## Quantitative PET with microfluidics:





# ON THE COVER

At top left, perfusion polar maps at stress and rest show a largely reversible anteroapical perfusion defect (arrowhead). At top right, 3-dimensional volume-rendered CT angiogram shows the coronary vessel tree with stenosis of the mid left anterior descending artery (LAD) and proximal stenosis of the first diagonal branch (DA1). At bottom left, fused 3-dimensional SPECT/CT image shows that the DA1 stenosis is the functionally relevant lesion. At bottom right, findings are confirmed by invasive coronary angiography.

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