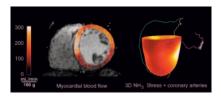
## INM

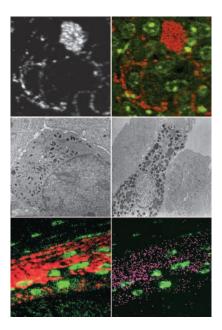


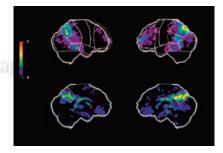
**Yun and colleagues** compare <sup>18</sup>F-FDG PET with CT in the evaluation of primary tumors and lymph node metastases in early and advanced gastric cancer and discuss the implications of these findings for the identification of optimal initial therapies. . . . . *Page 1582* 

**Elhendy and colleagues** investigate whether the presence of ischemia on stress myocardial perfusion imaging is a significant predictor of deaths from all causes during long-term follow-up in patients with diabetes mellitus. . **Page 1589** 

**Stankewicz and colleagues** compare the effectiveness of <sup>82</sup>Rb washout studies with PET <sup>18</sup>F-FDG–<sup>82</sup>Rb mismatch studies in the accurate assessment of myocar-

**Drzezga and colleagues** report on a longitudinal study designed to determine the combined value of genotyping and <sup>18</sup>F-FDG PET assessment of cerebral glucose metabolism in the early diagnosis of Alzheimer's type dementia in patients with mild cognitive impairment. .. *Page 1625* 

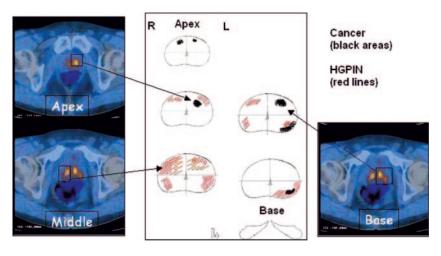




**Installé and colleagues** assess the ability of <sup>18</sup>F-fluoride PET to monitor therapeutic response to bisphosphonates in patients with Paget's disease and discuss the implications for routine use of wholebody PET for this purpose. . *Page 1650* 

**Wong and colleagues** report on a study designed to derive an optimal glucose sensitivity factor and most discriminating standardized uptake value normalized to glucose for the use of <sup>18</sup>F-FDG PET in classifying indolent and aggressive lymphomas. . *Page 1659* 

**Jönsson and colleagues** simulate scintillation camera images of patients and evaluate the accuracy of 2 methods de-



**de Jong and colleagues** use <sup>111</sup>In-DTPAoctreotide SPECT in mice to investigate the role of megalin in renal tubular reabsorption of radiolabeled somatostatin analogs, with implications for tumor diagnosis and radionuclide therapy. . . . . *Page 1696* 

Chéhadé and colleagues apply secondary ion mass spectrometry to obtain quantitative and qualitative data on the biodistribution of a <sup>14</sup>C-labeled melanoma-targeting molecule in mice and discuss the potential for this technique in molecular analysis of radiopharmaceutical action and distribution. . *Page 1701* 

**Wu and colleagues** investigate a novel  $^{64}$ Cu-labeled tetrameric RGD peptide tracer with promise for PET imaging of integrin  $\alpha_{\nu}\beta_{3}$  expression in solid tumors and as a therapeutic radiopharmaceutical in integrin-positive tumors. . . *Page 1707* 

Mathews and colleagues synthesize and evaluate in a mouse model a positronemitting analog of a nuclear receptor that plays a central role in the control of lipid and glucose metabolism. .... Page 1719

## ON THE COVER

At top, nodular HCC in the inferior segment of the right lobe of the liver shows increased <sup>18</sup>F-FDG uptake on PET. Immunohistochemical staining shows a negative reaction for Glut 1 but a positive reaction for hexokinase type II (HK II). At bottom, a massforming cholangiocarcinoma in the inferior segment of the right lobe of the liver shows intense <sup>18</sup>F-FDG uptake. Pathologically, the tumor shows a strong positive reaction for Glut 1 along the cell membrane but a negative reaction for HK II.

