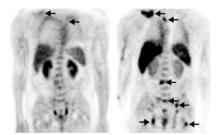
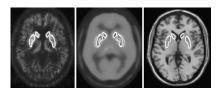
## THIS MONTH IN



Kurata et al. report on a study using <sup>123</sup>I-MIBG imaging to determine whether kidney transplantation improves cardiac sympathetic nervous system function. *Page 1114* 

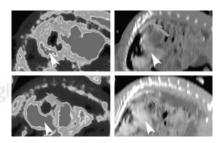
Slomka et al. introduce a novel "motionfrozen" technique to improve the image quality and accuracy of gated myocardial perfusion SPECT by eliminating the influence of cardiac left ventricular motion on display and quantification. .... Page 1128

Whone et al. discuss the results of a large, multiinstitutional study of <sup>18</sup>F-DOPA PET scans of patients with Parkinson's disease, in an effort to provide centralized assessment of biomarkers of disease progression and therapy. *Page 1135* 



**Becherer et al.** compare <sup>18</sup>F-FDOPA PET and <sup>111</sup>In-labeled somatostatin receptor scintigraphy in imaging and staging of neuroendocrine tumors. ... *Page 1161* 

**Tatsumi et al.** report on the result of a study in rodents suggesting that drugs and environmental conditions can affect the high <sup>18</sup>F-FDG uptake of brown adipose tissue and suggest that such variables be considered routinely. ...... *Page 1189* 



Siaens et al. discuss the feasibility of and initial animal studies in SPECT of fungal infections with <sup>123</sup>I-labeled chitinase, a bacterium-derived enzyme. *Page 1209* 

  **González Trotter et al.** assess the feasibility of quantitative murine <sup>124</sup>I-antibody fragment PET using a large-bore clinical scanner that accommodates multiple animals simultaneously. ...... *Page 1237* 

Liu et al. present a novel technique using <sup>99m</sup>Tc-glucarate high-resolution SPECT

Konijnenberg et al. present a computational rat model to facilitate and standardize organ dosimetry studies of peptide receptor radionuclide therapy and offer conclusions from initial calculations for <sup>111</sup>In, <sup>117</sup>Lu, and <sup>90</sup>Y. ..... Page 1260

## **ON THE COVER**

The "motion-frozen" technique improves the display and quantification of gated myocardial perfusion SPECT images. Threedimensional phase-to-phase motion vectors are derived by sampling the epi- and endocardial surfaces. In this illustration of displacement vectors used in image warping, the end-systolic epicardial surface is shown with perfusion data represented in color. Displacement vectors (white) show local motion between end systole and end diastole. The end-diastolic position of the epicardial surface is marked with red points.

