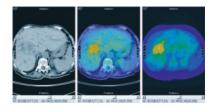
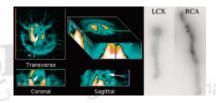
INM

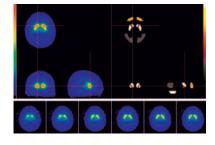


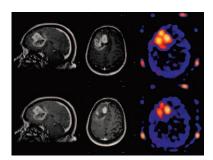
Koch and colleagues report on an automated method developed for standardized quantification of ¹²³I-FP-CIT SPECT and discuss its potential in facilitating objective intra- and interindividual comparisons as well as multicenter trials. . *Page* 1109

Pinborg and colleagues describe a bolus/infusion approach to accurate and pre-

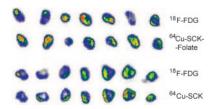


Watchman and colleagues present a radiation transport model combining chord-based techniques for tracking α -particles and a spatial model of marrow tissues to provide a basis for application of the MIRD schema to patient-specific dosimetry in new α -particle emitter therapies. . . *Page 1171*



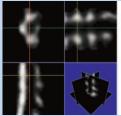


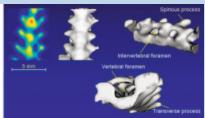
 Watabe and colleagues report on a method for generating parametric images of myocardial blood flow, perfusable tissue fraction, and arterial blood volume with ¹⁵O-water PET and discuss the utility of this method for detecting regional myocardial perfusion abnormalities. . *Page 1219*



ON THE COVER

On these images, obtained to show bone metabolism within a mouse lumbar spine, uptake in tiny parts of the individual processes is readily visualized. Also, the spaces between and within the vertebrae that do not take up tracer are clearly distinguished from bone tissue,





particularly in the isosurface renderings. Because uptake is influenced by changes in bone remodulation, such as those caused by mechanical strain or tumor growth, the type of detailed imaging shown here may initiate new research opportunities in locomotion, bone, and cancer research.