



# Oxygen metabolism in brain-Infarct, peri-infarct and normal

Comparison of present Day imaging with Tissue Viability Imaging using Oxy-17<sup>®</sup>

	Rat Brain Slice 1	Rat Brain Slice 2
T2-wt		
Diffusion-weighted		
Gradient-echo (BOLD)		
Post - Pre TVI		

Figure 1: Rat #1. Two axial slices through the rat brain. Bright areas on the diffusionweighted images show areas of ischemic brain. The gradient echo images are the difference before/after ischemia: dark areas show regions of blood deoxygenation due to reduced CBF. Bottom row are the relative difference between pre- and post- TVI injection: intensity is proportional to local  $H_2^{17}O$  concentration.

