



















































Separating Baseline and Activation Effects Comparison of hippocampal activation to a memory task in low risk controls with subjects at risk of AD (family history plus at least one copy of the APOE4 gene) Interpreting the BOLD Response: 120 12 BOLD CBF CBF How can we go beyond mapping where 1.4 Baseline Activation Response 10 10 1.2 brain activity changes? 1 0.8 % signal c 0.6 0.4 0.2 Low risk High risk Low risk High risk Low risk High risk Is the BOLD difference due to an acute or chronic aspect of disease? AS Fleisher, et al, Neurobiology of Aging (2008)

























