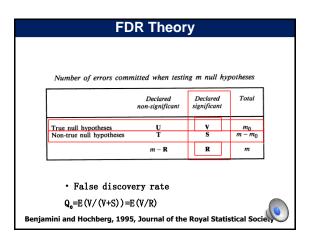
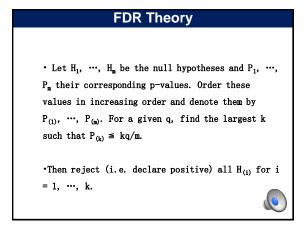
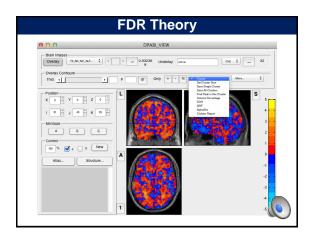
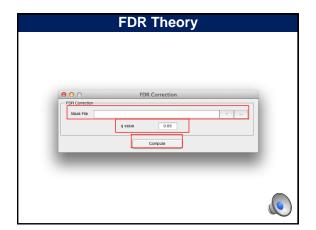


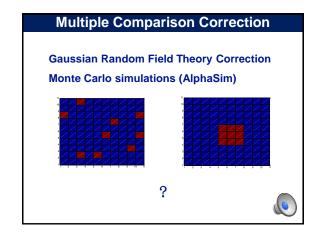
Multiple Comparison Correction False Discovery Rates (FDR) correction Family-Wise Error (FWE) correction Bonferroni correction: 0.05/5=0.01 Gaussian Random Field theory correction Monte Carlo simulations (AlphaSim) Threshold-Free Cluster Enhancement Permutation test

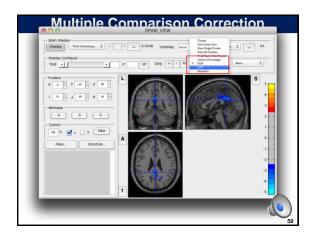


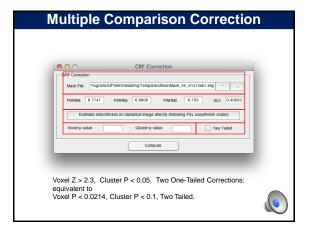


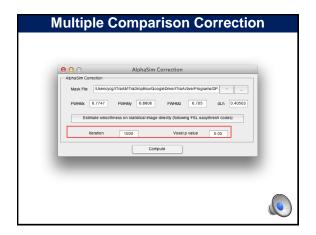


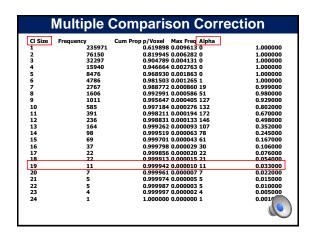


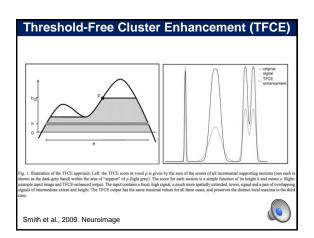


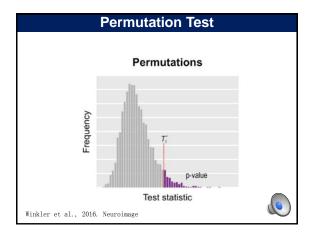


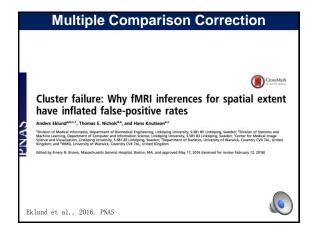


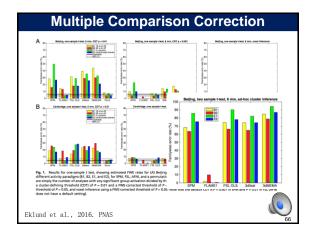


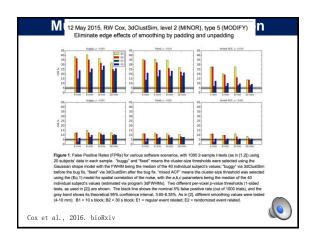


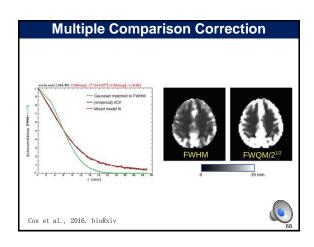


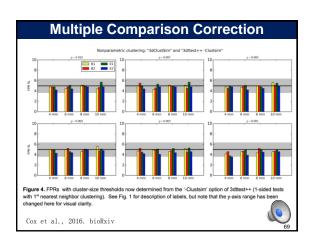


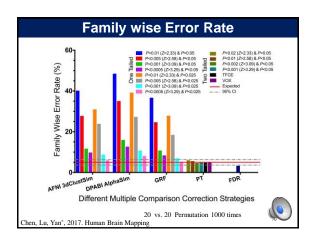


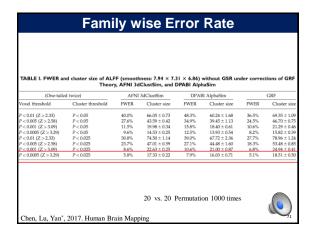


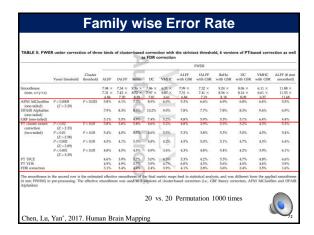


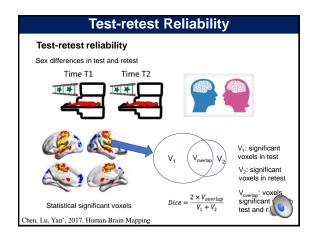


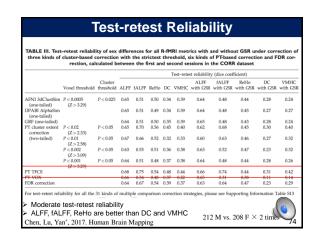


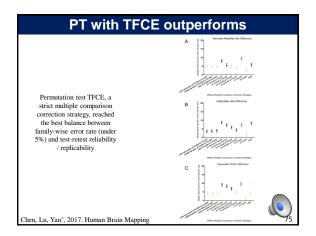


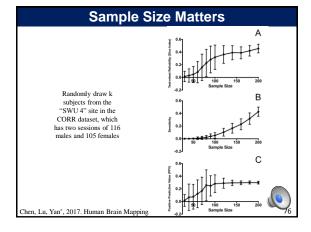










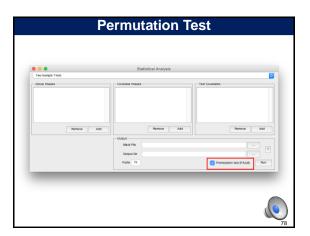


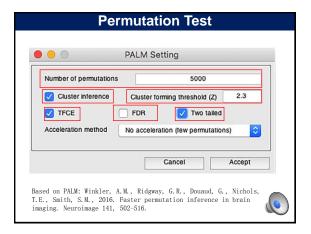
Reproducibility of R-fMRI Metrics on the Impact of Different Strategies for Multiple Comparison Correction and Sample Sizes

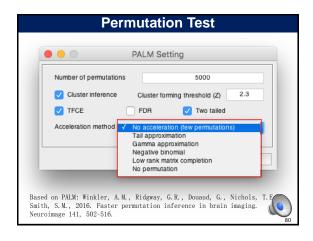
• Permutation test with TFCE reached the best balance between FWER and reproducibility

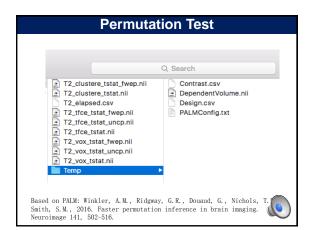
• Although R-fMRI indices attained moderate reliabilities, they replicated poorly in distinct datasets (replicability < 0.3 for between-subject sex differences, < 0.5 for within-subject EOEC differences)

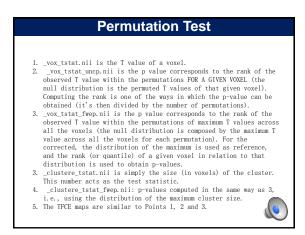
• For studies examining effect sizes similar to or even less than those of sex differences, results from a sample size <80 (40 per group) should be considered preliminary, given their low reliability (< 0.23), sensitivity (< 0.02) and PPV (< 0.26).

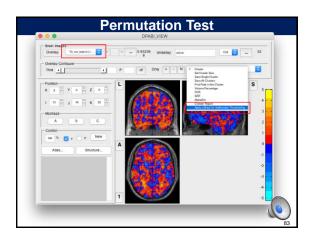


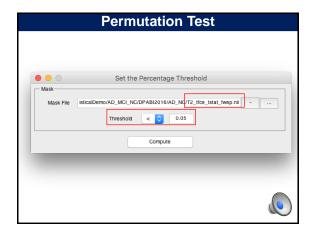


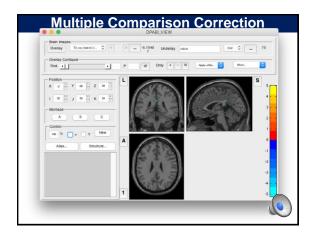


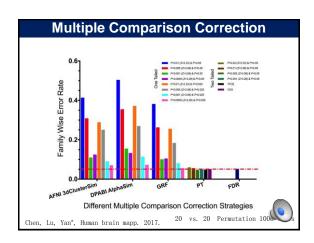












Outline

- Quality Control
- Statistical Analysis
- **→** Results Viewing





