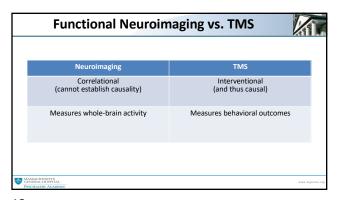
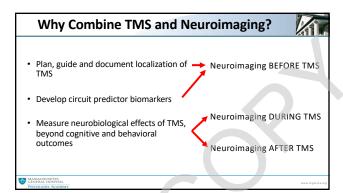
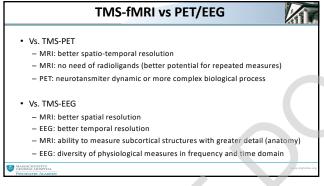


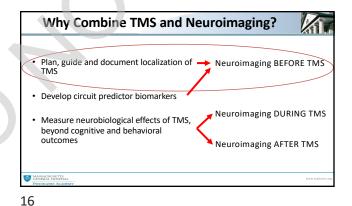
TMS limitations · Where to stimulate? • What does TMS do to the Brain? Only behavioral measures? Beyond the black box approach.

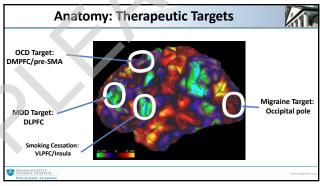
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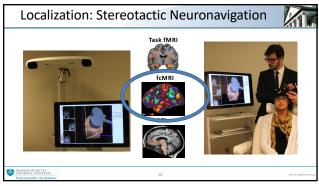




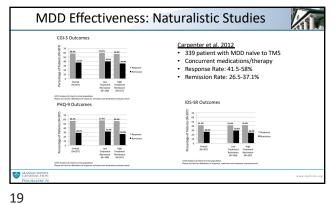


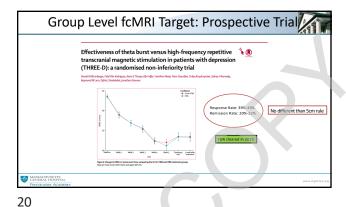


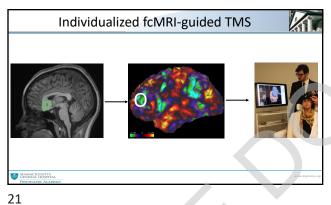


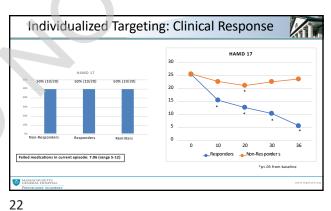


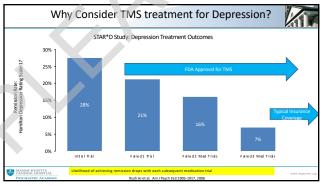
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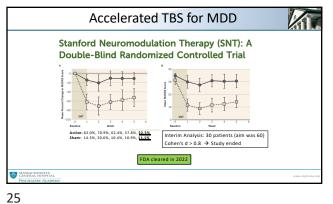
fcMRI-guided Accelerated TBS for MDD Stanford Neuromodulation Therapy (SNT): A **Double-Blind Randomized Controlled Trial** Accelerted iTBS (excitatory) to left DLPFC
Individualized functional connectivity MRI target Pulse intensity: 90% vs 120% RMT 1800 pulses/session (3x 600pulses) 10 sessions per day (50min pause)

• = 6 weeks of daily TBS

5 consecutive days (inpatient)

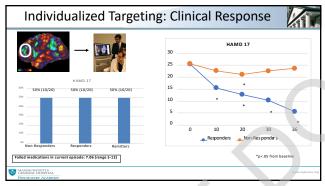
• = 5 courses of TBS (30 weeks)

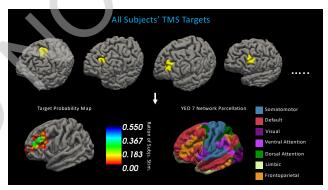
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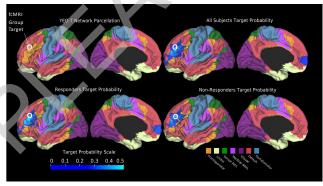
Why Combine TMS and Neuroimaging? Plan, guide and document localization of Neuroimaging BEFORE TMS TMS Develop circuit predictor biomarkers Neuroimaging DURING TMS Measure neurobiological effects of TMS, beyond cognitive and behavioral outcomes Neuroimaging AFTER TMS

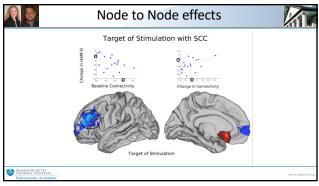
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27 28





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