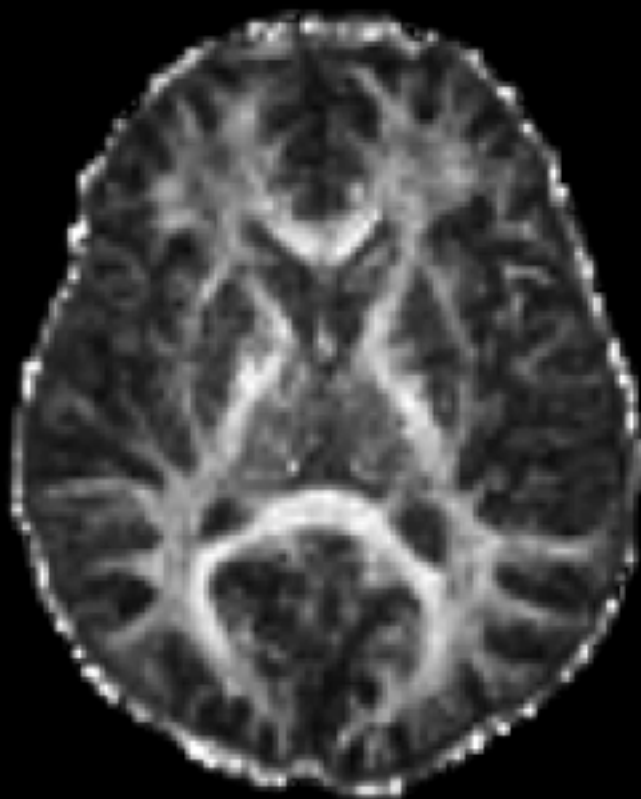
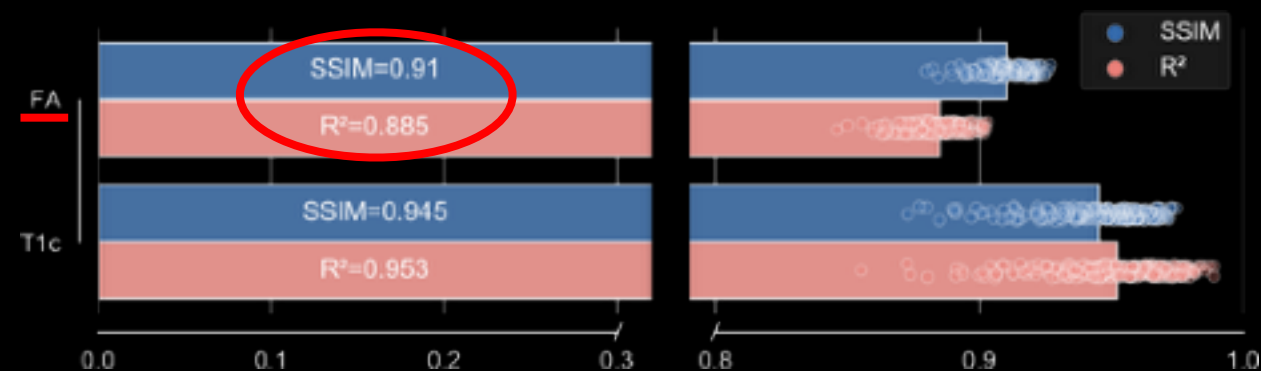


Results: Diffusion Tensor Imaging

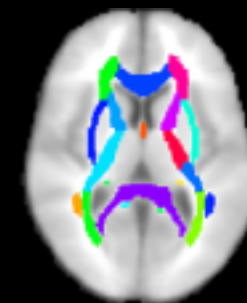


(A)



(B)

Test	Number of regions	Results
Regional TOST	48 WM regions (JHU atlas)	$p < 0.0001$

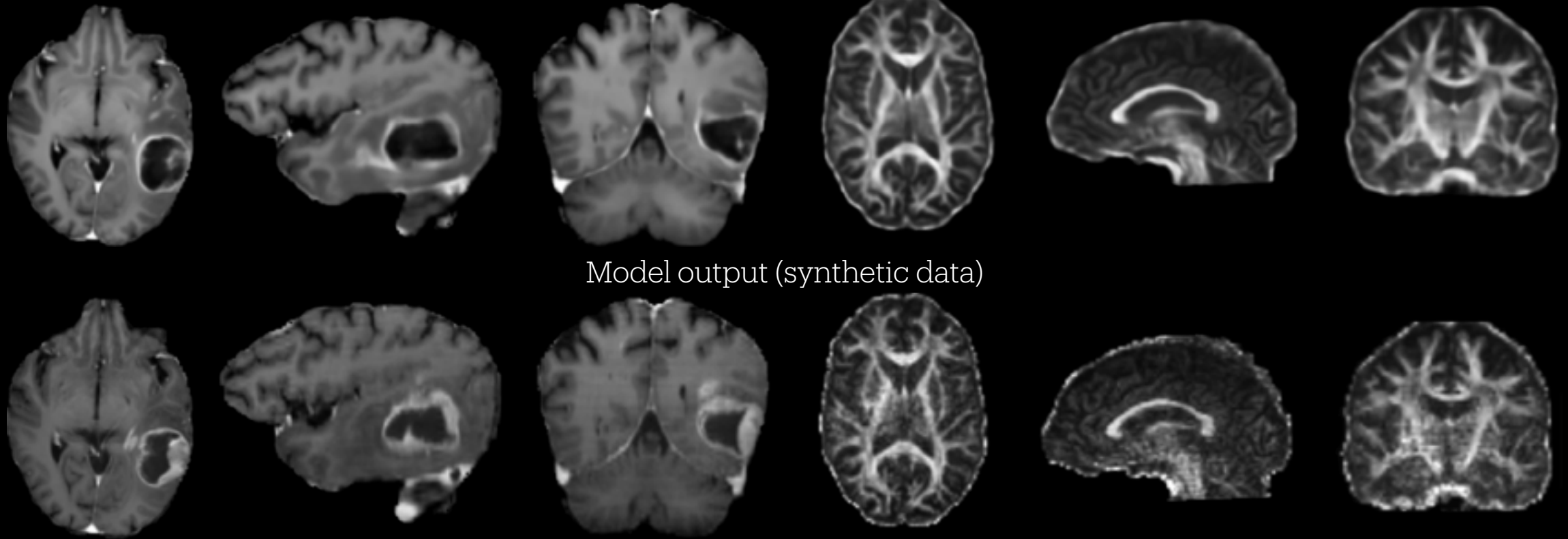


Testing dataset (AOMIC) accuracy metrics (synthetic and real data compared) using similarity measures on a voxel level (A) and region of interest equivalence statistics (B): JHU White Matter atlas, Two One Sided T-Tests (TOST)

Summary

Contrast-enhanced T1 (T1c)

Diffusion Tensor Imaging Fractional Anisotropy (FA)



Model output (synthetic data)

Ground truth (real data)

Key highlight: Framework is capable of synthesizing realistic looking and anatomically accurate images