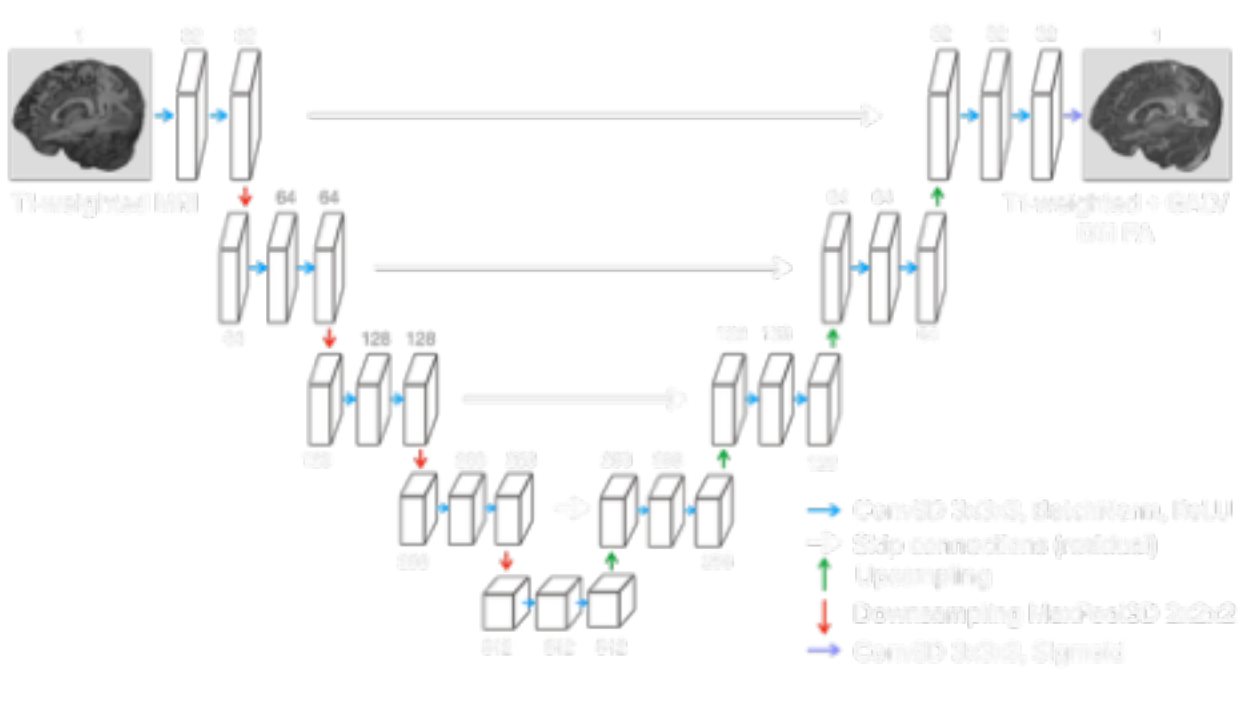
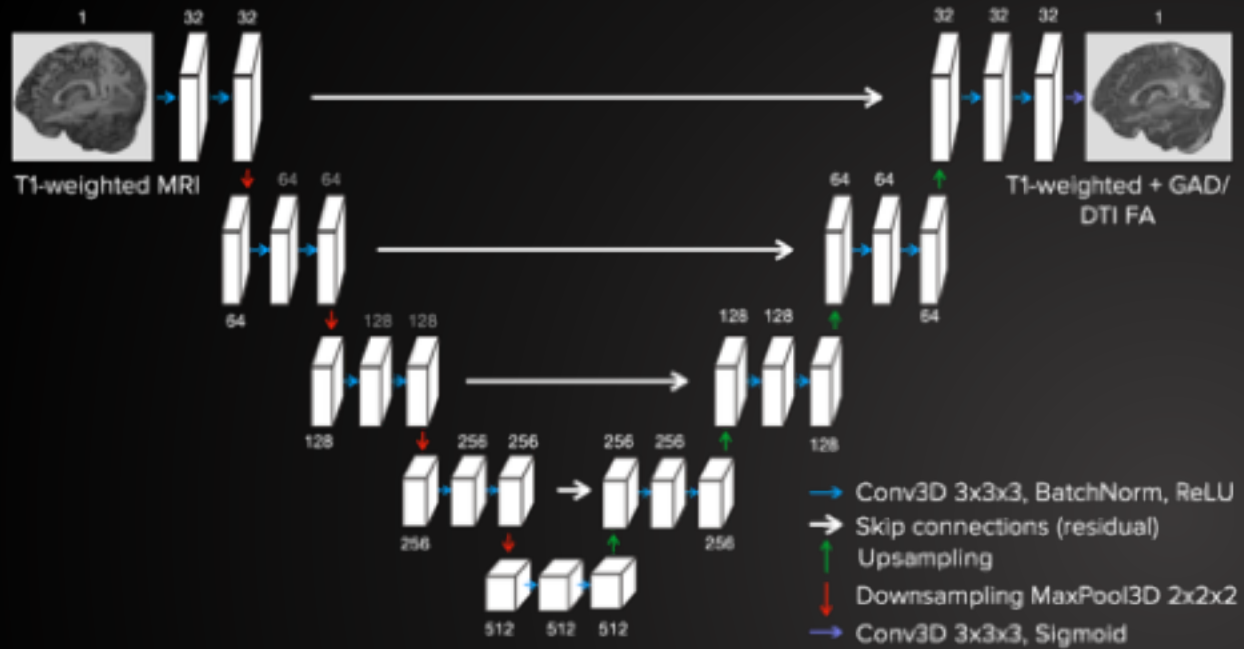

64
64
128
128
Conv3D 3x3x3, BatchNorm, ReLU
Skip connections (residual)
Upsampling
Downsampling MaxPool3D 2x2x2
Conv3D 3x3x3, Sigmoid

SSIM - Structural Similarity Index Measure

Preliminary version – DO NOT CITE OR DISTRIBUTE

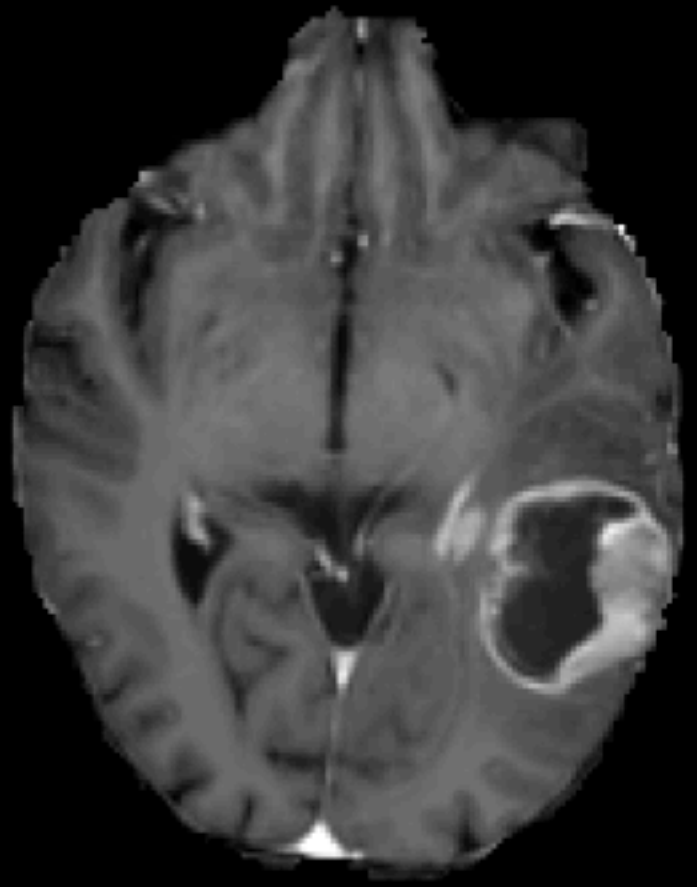
Methods

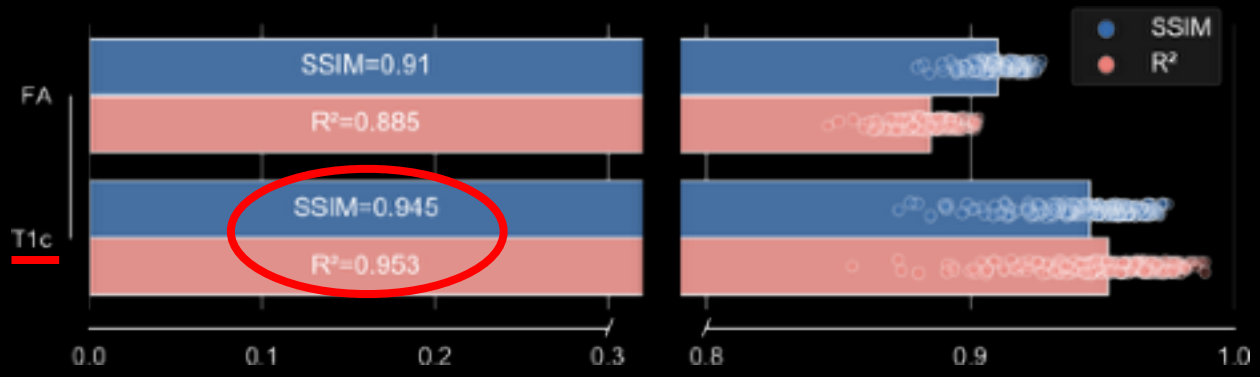


- Model - 3D UNet
- Batch size: 2
- Learning Rate: 0.0001
- Dropout Rate: 0.15
- Number of epochs: 150
- Loss: L1+SSIM
- Datasets:
  - BraTS2021 (n=1432)
  - AOMIC ID1000 (n=916)

Preliminary version – DO NOT CITE OR DISTRIBUTE

Results: contrast-enhanced T1





Testing dataset (BraTS) accuracy metrics (synthetic and real data compared) using similarity measures on a voxel level