CycleGAN Architecture for Multi-Modal MRI Domain Adaptation

$\mathcal{L}_{GAN}$ $\mathcal{L}_{cycle}$ $\mathcal{L}_{identity}$

Domain A (BraTS) → Generator G_A→B → Fake B → Generator G_B→A

Recon. A — Disc. D_B — Disc. D_A

Domain B (UPenn) → Generator G_B→A → Fake A → Generator G_A→B

Legend:
- Domain A (BraTS-TCGA)
- Domain B (UPenn-GBM)
- Generator Network
- Discriminator Network
- Generated Image
- Reconstructed Image