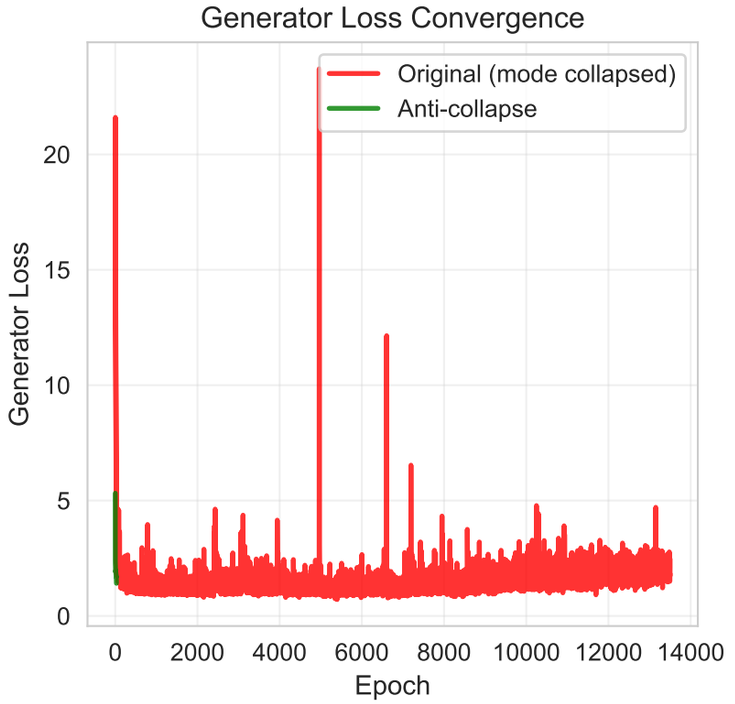
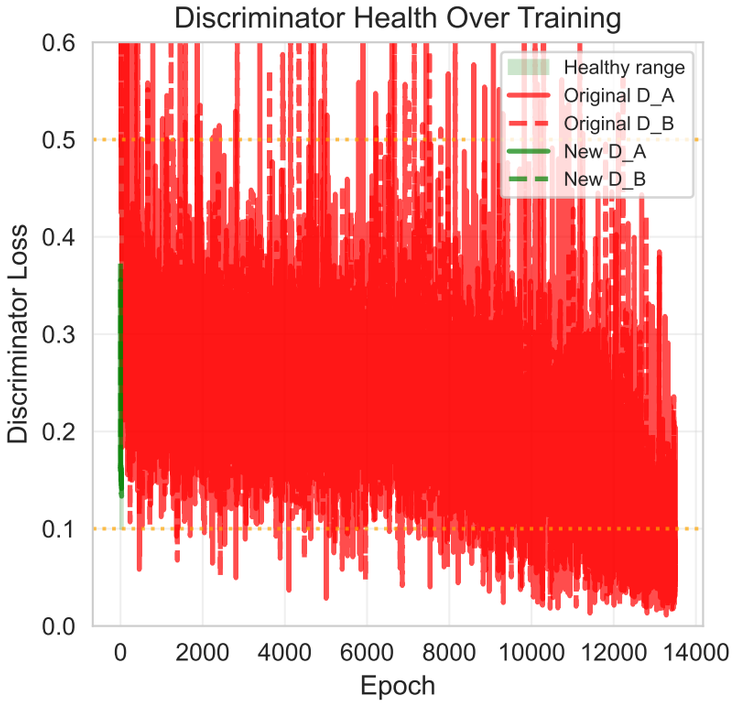
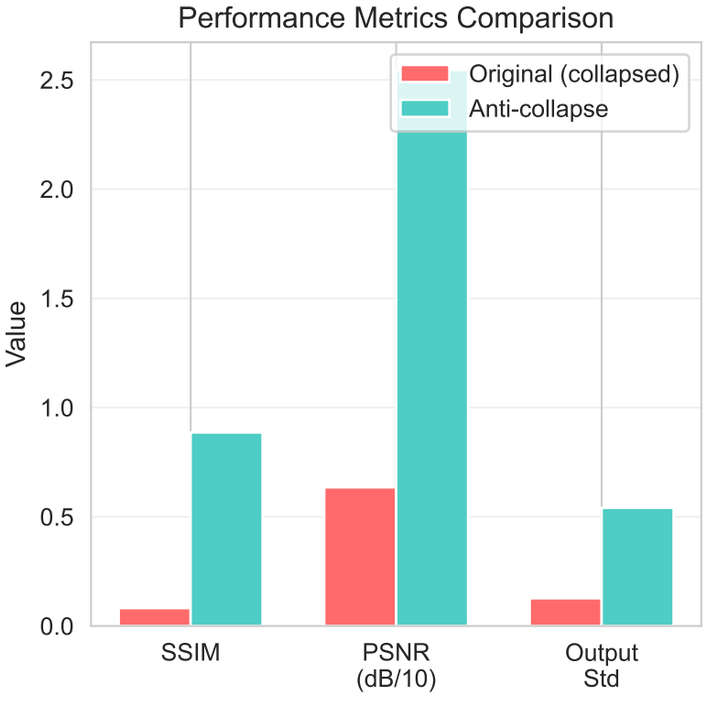
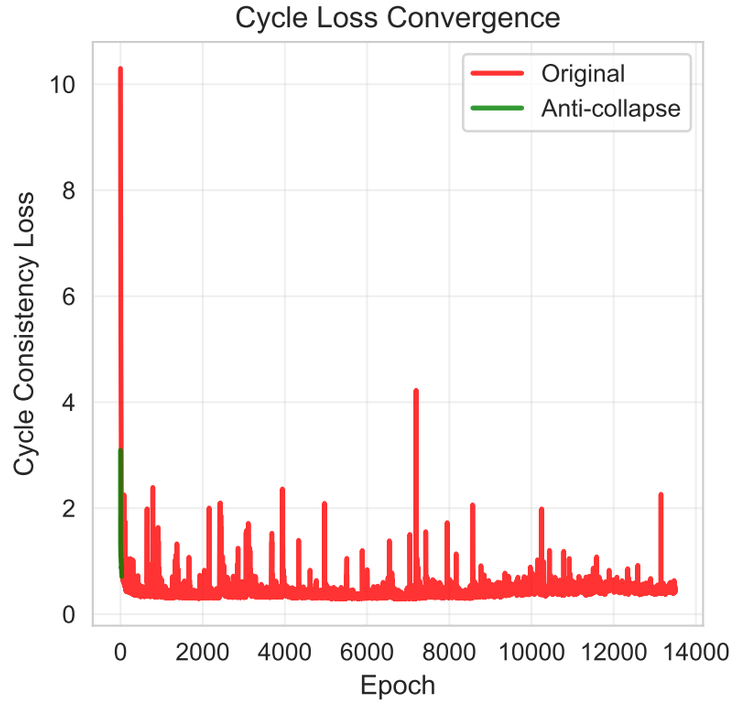
Statistical Analysis & Performance Summary







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FINAL MODEL PERFORMANCE
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Cycle Consistency (654 subjects):
  • SSIM:  0.886 ± 0.016
  • PSNR:  25.45 ± 1.37 dB
  • MAE:   0.045 ± 0.010

Translation Quality:
  • BraTS→UPenn: SSIM 0.896
  • UPenn→BraTS: SSIM 0.885

Mode Collapse Status:
  ✓ RESOLVED
  • Output Std: 0.541 (healthy > 0.3)
  • D_A Loss: 0.134 (healthy 0.1-0.5)
  • D_B Loss: 0.142 (healthy 0.1-0.5)

Model Architecture:
  • Generator: 6 ResBlocks, 64 base filters
  • Discriminator: PatchGAN + Spectral Norm
  • Training: 30 epochs, TTUR, Label Smoothing
```