

Quest for Clone: Test-time Domain Adaptation for Medical Image Segmentation by Searching the Closest Clone in Latent Space

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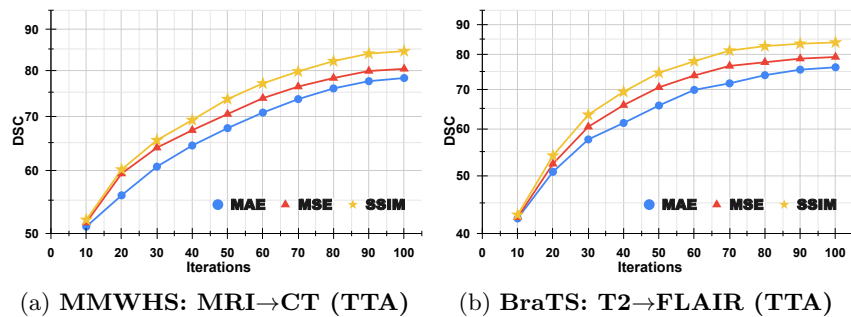


Fig. 1: Performance comparison of the proposed gradient descent-based latent search algorithm during TTA inference using different distance metric ϑ : Mean Absolute Error (MAE), Mean Squared Error (MSE), and Structural Similarity (SSIM). In all the cases, the search algorithm converges after ~ 100 iterations.

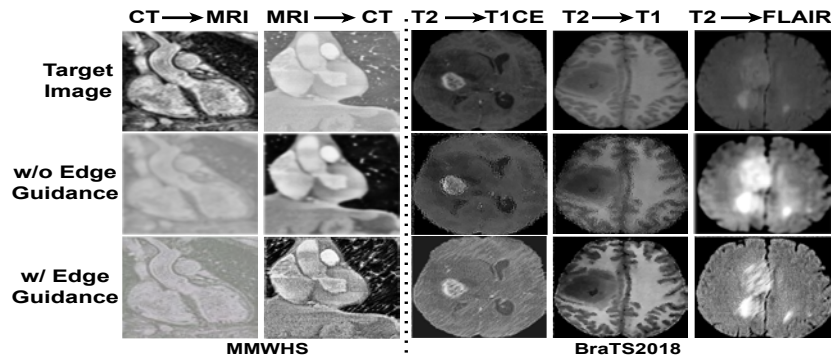


Fig. 2: Visualization of the reconstructed image with respect to the actual target image in different experimental settings, with and without edge guidance.

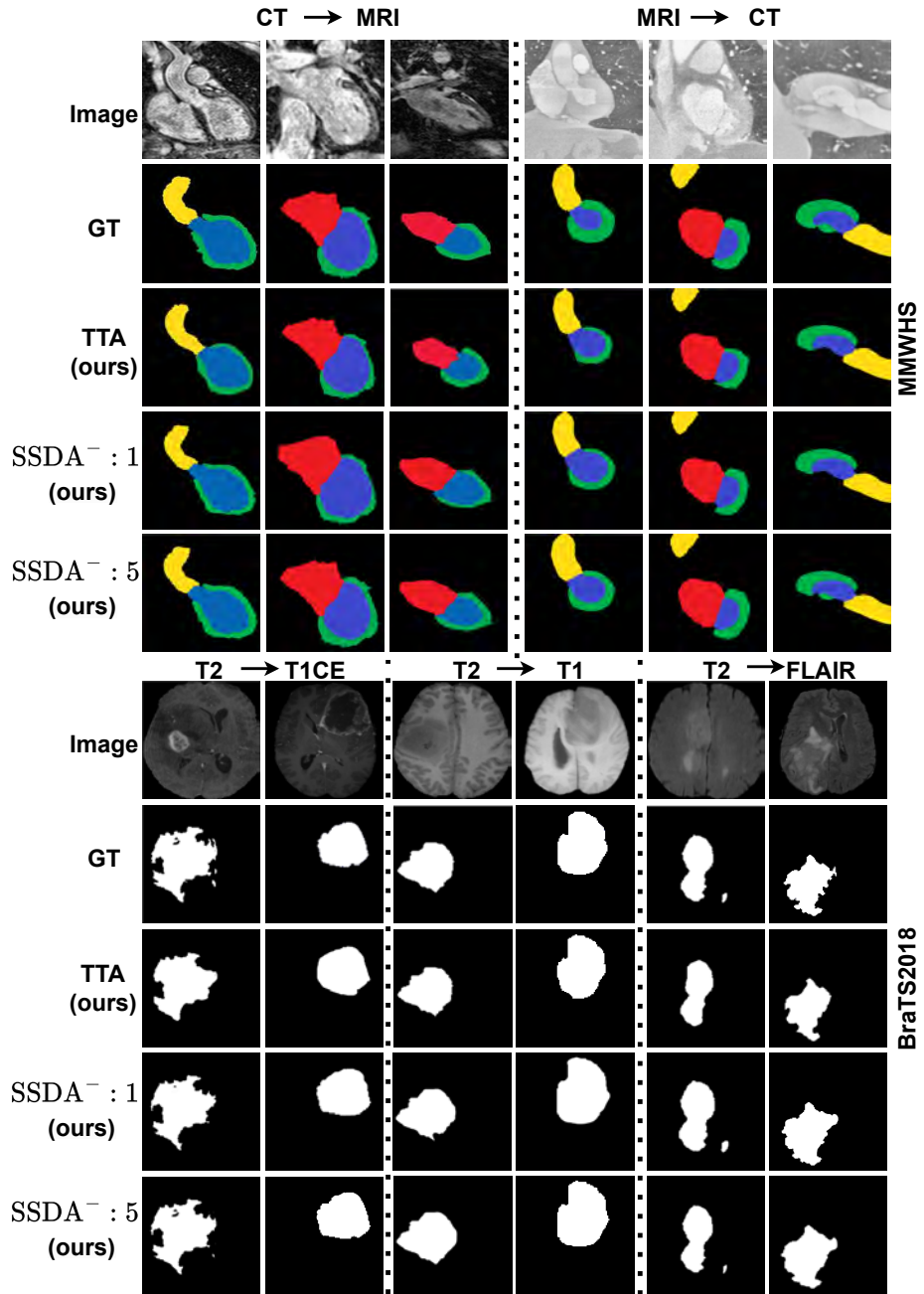


Fig. 3: Qualitative visualization of our segmentation performance on different TTS and SSDA⁻ experimental settings in MMWHS and BraTS2018 dataset.