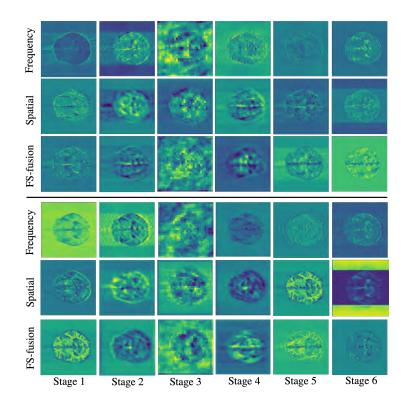
## Supplementary Material Accelerated Multi-Contrast MRI Reconstruction via Frequency and Spatial Mutual Learning

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**Fig. 1.** Feature visualization. A feature analysis was conducted for the frequency and spatial features based on the FS-fusion module, which includes  $\hat{F}_{tf}^{i}$ ,  $\hat{F}_{ts}^{i}$ ,  $\hat{F}_{ts}^{i}$ . Two channels of these features were randomly selected from Stage1-6 for visualization. The results align with our motivation, whereby the frequency feature contains more global information, the spatial feature encompasses rich local features, and the final feature constitutes a comprehensive feature that is enhanced by both the frequency and spatial features.

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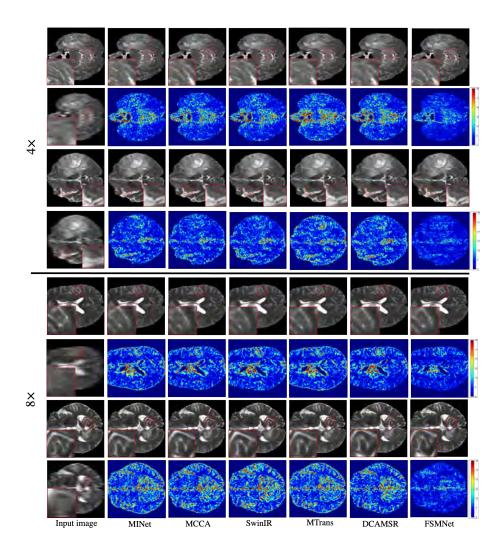


Fig. 2. More qualitative visualizations compared to different MCMR methods with  $4\times$  and  $8\times$  AF on the BraTS dataset.