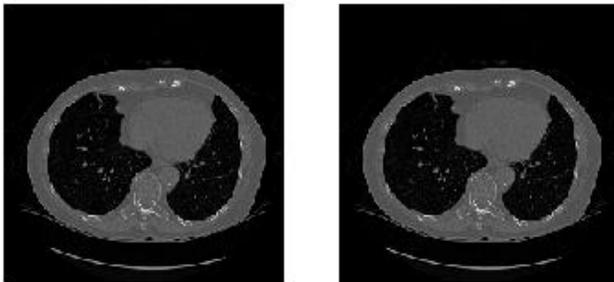


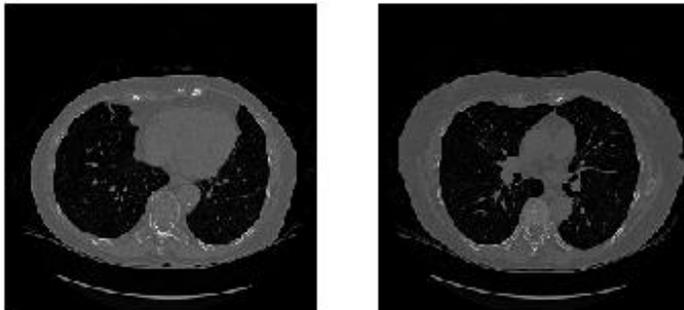
Variational Autoencoder (VAE) Implementation to Generate Synthetic CTs of the Chest

Synthetic CT is on the left. SSIM is a similarity measure vis a vis the training set. MSE is the mean square error. We see that the synthetic CT has MSE = 0 and SSIM = 1 with itself but is different from the training images.

MSE: 0.00, SSIM: 1.00



MSE: 899.24, SSIM: 0.52



MSE: 625.10, SSIM: 0.58



MSE: 457.13, SSIM: 0.63



MSE: 210.29, SSIM: 0.73

