

Reconstruction with 2x Under-sampling

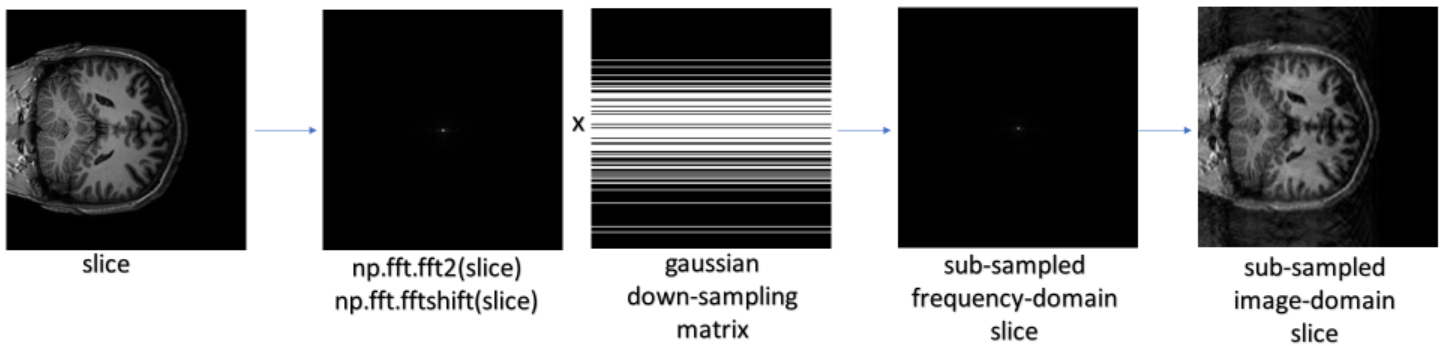
Gaussian:

Out of the total sum of 41 subjects 21 were used for training, 7 subjects were used for validation and remaining 13 were used to test the model. Mean ssim and psnr of test set are following:

Subjects	SSIM	PSNR
sub-303	0.939868	31.19723
sub-304	0.943523	31.84246
sub-305	0.910495	30.12033
sub-306	0.939961	31.46443
sub-308	0.942937	30.55095
sub-309	0.937476	30.34108
sub-311	0.937731	30.93446
sub-313	0.944786	31.05316
sub-314	0.93027	30.44888
sub-316	0.933639	30.3799
sub-318	0.942089	31.54314
sub-319	0.942114	31.43509
sub-320	0.932448	30.89016

Min SSIM: 0.42367529856789626 Max SSIM : 0.9578341349632777

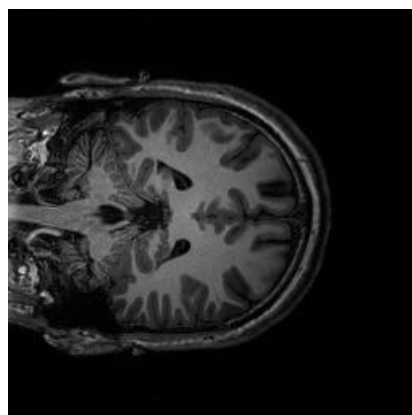
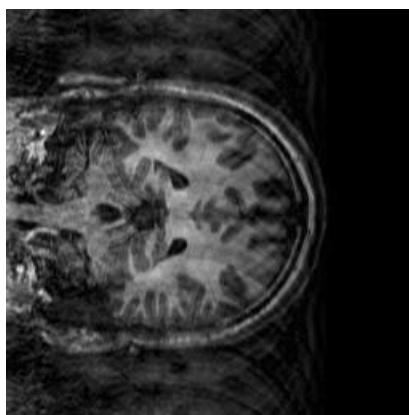
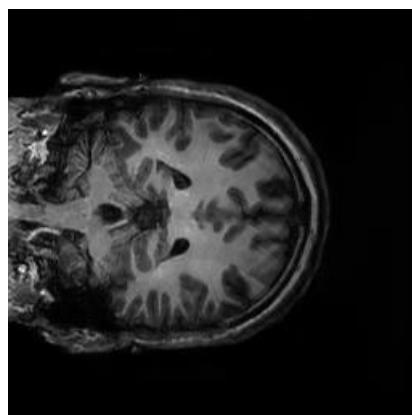
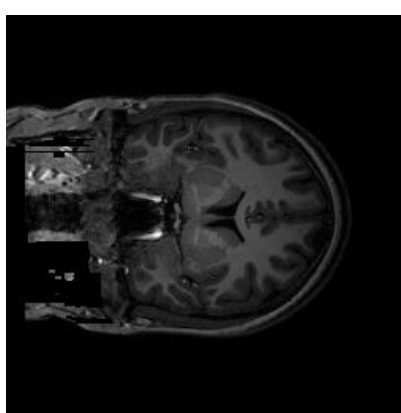
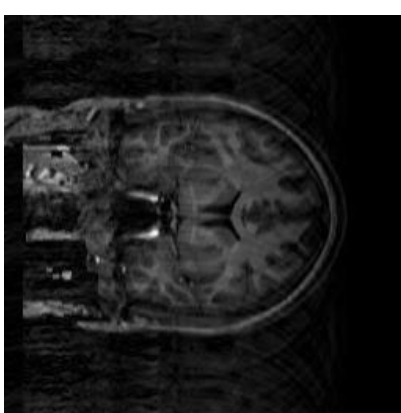
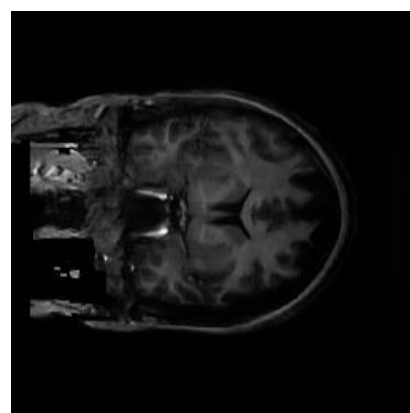
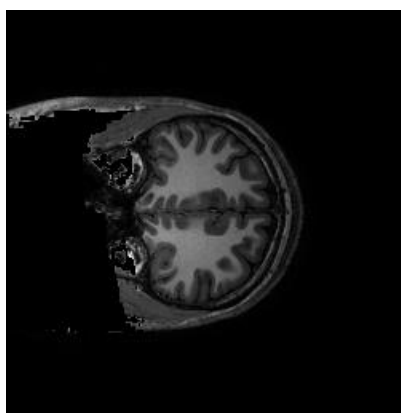
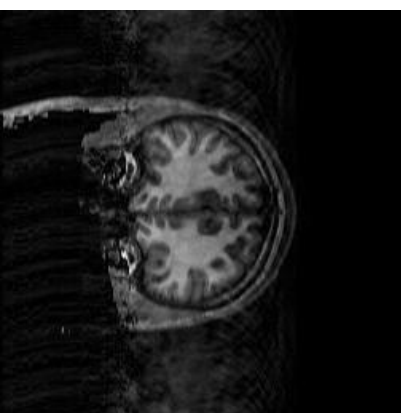
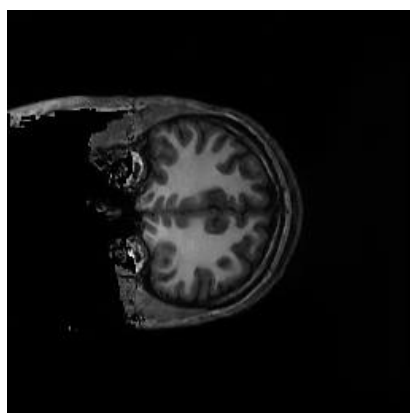
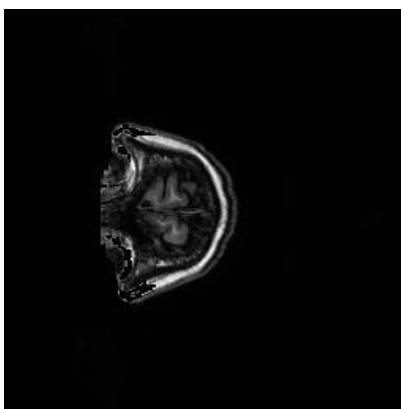
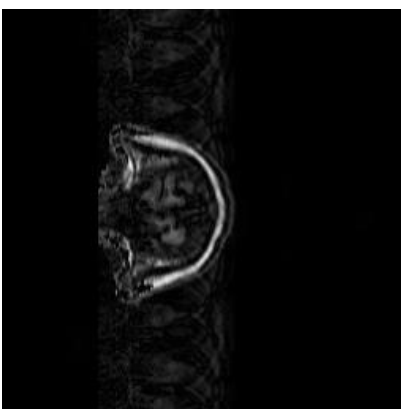
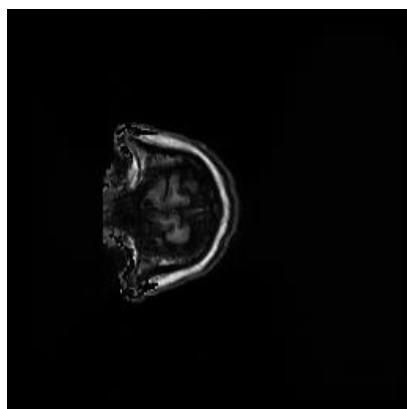
Min PSNR: 12.725061181905719 Max PSNR: 40.9265272881991



Ground Truth

Input

Predicted

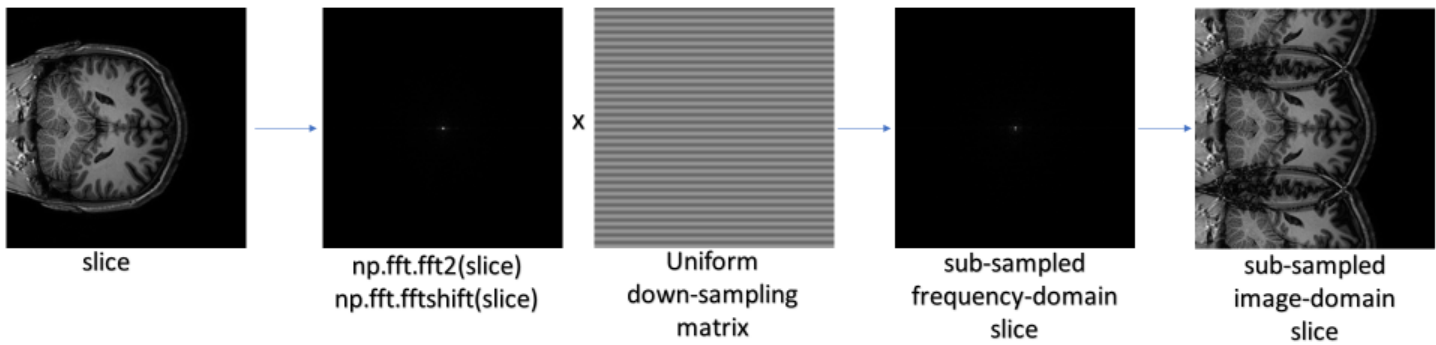


Uniform:

Subjects	SSIM	PSNR
sub-303	0.973153	36.135
sub-304	0.980306	37.241
sub-305	0.969936	36.381
sub-306	0.969216	35.347
sub-308	0.961228	34.073
sub-309	0.969005	35.053
sub-311	0.969356	34.625
sub-313	0.976379	36.59
sub-314	0.96103	33.882
sub-316	0.946583	32.649
sub-318	0.967921	35.059
sub-319	0.968247	35.011
sub-320	0.961434	34.06

Min SSIM: 0.42021134930302817 Max SSIM : 0.957882641967296

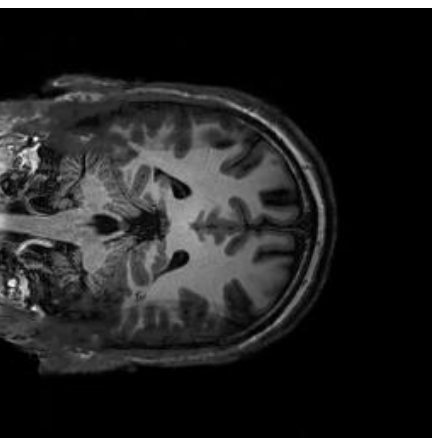
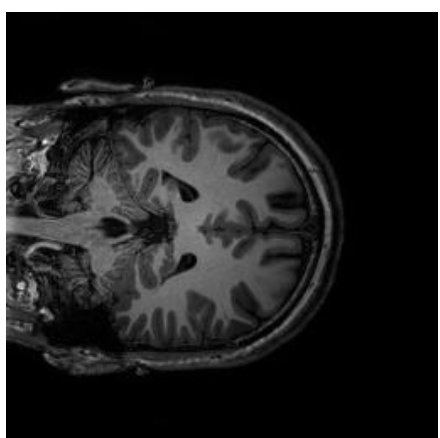
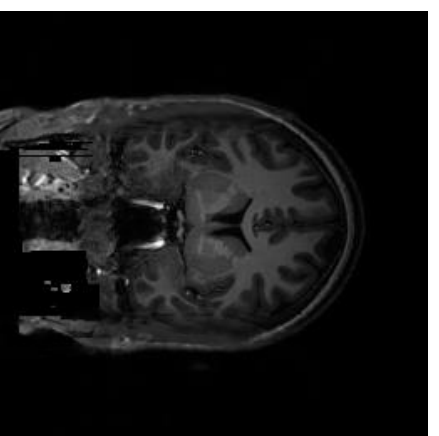
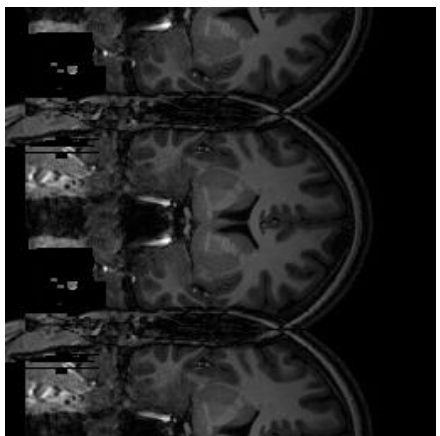
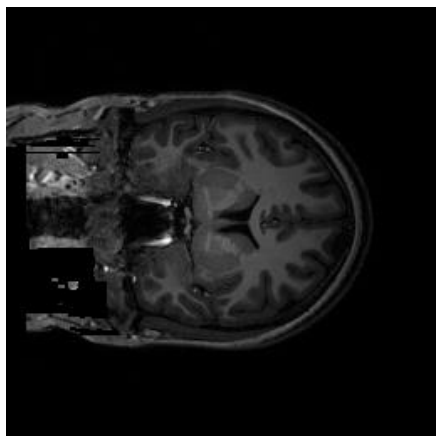
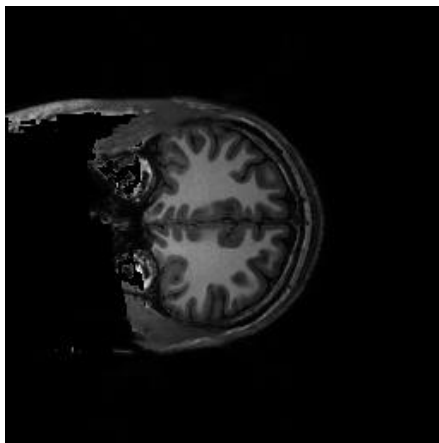
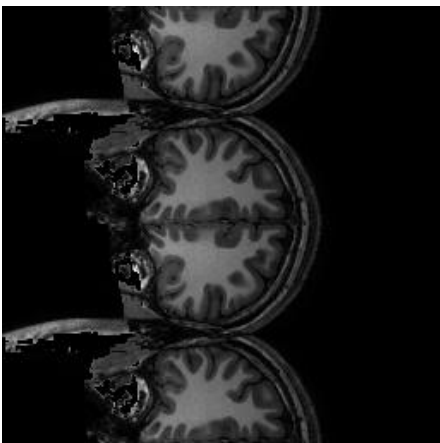
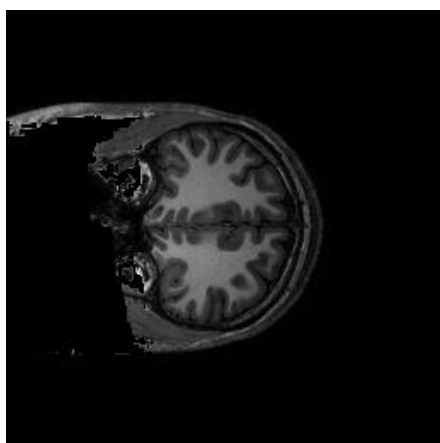
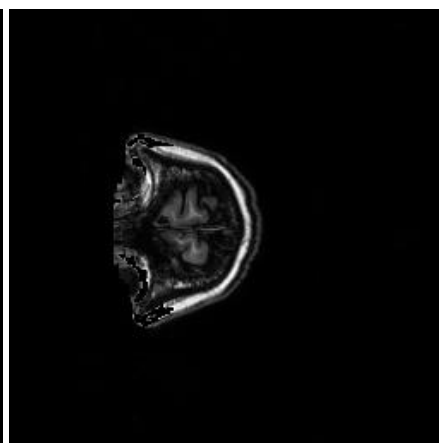
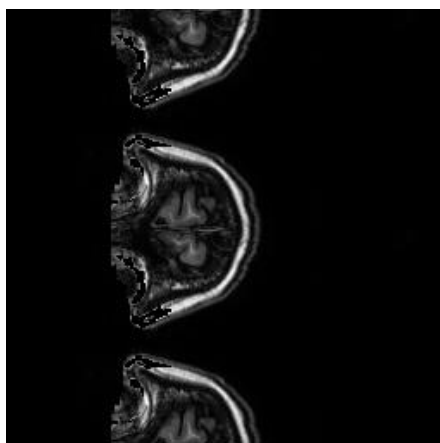
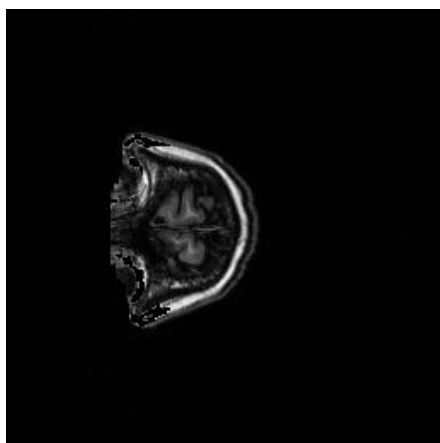
Min PSNR: 12.98140176329197 Max PSNR: 37.77296823540841



Ground Truth

Input

Predicted

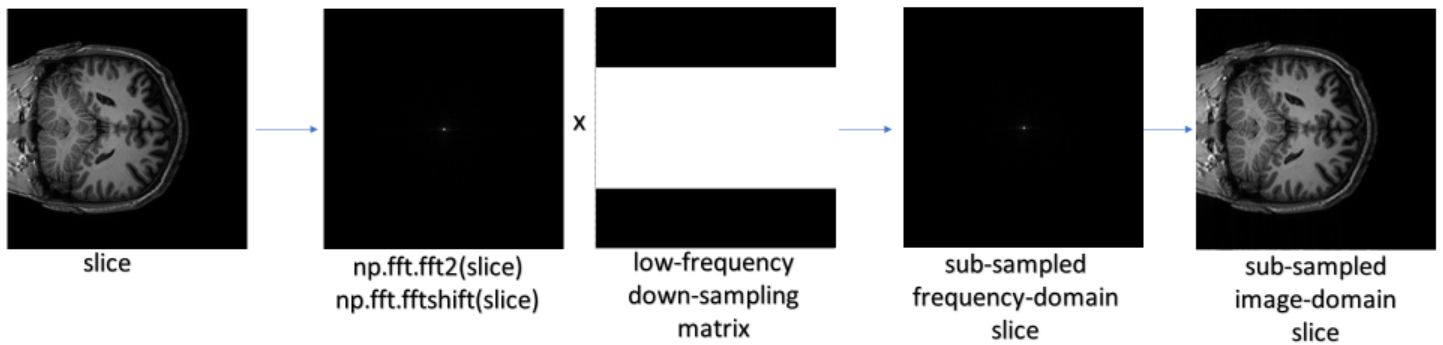


Low Frequency:

Subjects	SSIM	PSNR
sub-303	0.985907	37.39115
sub-304	0.986961	38.08877
sub-305	0.984929	37.67363
sub-306	0.986133	38.38189
sub-308	0.983903	37.193
sub-309	0.985149	37.504
sub-311	0.9856	37.615
sub-313	0.9855	37.264
sub-314	0.9831	37.346
sub-316	0.9836	37.116
sub-318	0.9854	37.721
sub-319	0.9846	37.061
sub-320	0.9856	36.948

Min SSIM: 0.42704459844466774 Max SSIM : 0.9878974979678224

Min PSNR: 12.025699075711875 Max PSNR: 42.41363815428541



Ground Truth

Input

Predicted

