

Supplemental Material

Supplemental Table 1: Pairwise comparisons of SNR achieved by FBP, ASiR-V, and DLIR reconstruction.

	ASiR-V 10%	ASiR-V 20%	ASiR-V 30%	ASiR-V 40%	ASiR-V 50%	ASiR-V 60%	ASiR-V 70%	ASiR-V 80%	ASiR-V 90%	ASiR-V 100%	DLIR_L	DLIR_M	DLIR_H
ASiR-V 10%		< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001
ASiR-V 20%	< .001		< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001
ASiR-V 30%	< .001	< .001		< .017	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001
ASiR-V 40%	< .001	< .001	< .017		< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001
ASiR-V 50%	< .001	< .001	< .001	< .001		< .001	< .001	< .001	< .001	< .001	< .005	< .001	< .001
ASiR-V 60%	< .001	< .001	< .001	< .001	< .001		< .001	< .001	< .001	< .001	1*	< .001	< .001
ASiR-V 70%	< .001	< .001	< .001	< .001	< .001	< .001		< .001	< .001	< .001	1*	< .001	< .001
ASiR-V 80%	< .001	< .001	< .001	< .001	< .001	< .001	< .001		< .001	< .001	< .001	1*	< .001
ASiR-V 90%	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001		< .001	< .001	.010	< .001
ASiR-V 100%	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001		< .001	< .001	.051*
DLIR_L	< .001	< .001	< .001	< .001	.005	1*	1*	< .001	< .001	< .001		< .001	< .001
DLIR_M	< .001	< .001	< .001	< .001	< .001	< .001	< .001	1*	< .010	< .001	< .001		< .001
DLIR_H	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	.051*	< .001	< .001	

ASiR-V, adaptive statistical iterative reconstruction algorithm; DLIR, deep learning image reconstruction algorithm
 * non-statistically significant P-values

Supplemental Table 2: Pairwise comparisons of CNR achieved by FBP, ASiR-V, and DLIR reconstruction.

	ASiR-V 10%	ASiR-V 20%	ASiR-V 30%	ASiR-V 40%	ASiR-V 50%	ASiR-V 60%	ASiR-V 70%	ASiR-V 80%	ASiR-V 90%	ASiR-V 100%	DLIR_L	DLIR_M	DLIR_H
ASiR-V 10%		.654*	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001
ASiR-V 20%	.654*		< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001
ASiR-V 30%	< .001	< .001		.078*	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001
ASiR-V 40%	< .001	< .001	.078*		< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001
ASiR-V 50%	< .001	< .001	< .001	< .001		< .001	< .001	< .001	< .001	< .001	.003	< .001	< .001
ASiR-V 60%	< .001	< .001	< .001	< .001	< .001		< .001	< .001	< .001	< .001	1*	< .001	< .001
ASiR-V 70%	< .001	< .001	< .001	< .001	< .001	< .001		< .001	< .001	< .001	1*	.001	< .001
ASiR-V 80%	< .001	< .001	< .001	< .001	< .001	< .001	< .001		< .001	< .001	< .001	1*	< .001
ASiR-V 90%	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001		< .001	< .001	.015	< .001
ASiR-V 100%	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001		< .001	< .001	1*
DLIR_L	< .001	< .001	< .001	< .001	.003	1*	1*	< .001	< .001	< .001		< .001	< .001
DLIR_M	< .001	< .001	< .001	< .001	< .001	< .001	.001	1*	.015	< .001	< .001		< .001
DLIR_H	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	< .001	1*	< .001	< .001	

ASiR-V, adaptive statistical iterative reconstruction algorithm; DLIR, deep learning image reconstruction algorithm
 * non-statistically significant *P*-values