

**Supplemental
TABLE 1**

Summary of TF and FOS

Order	Matrix	Features	
First-order statistics	Histogram	Variance	
		Coefficient of variation (COV)	
		Skewness	
		Kurtosis	
		Energy	
Second-order features	GLCM	Entropy	
		Autocorrelation	
		Contrast	
		Correlation	
		Cluster Shade (CS)	
		Dissimilarity	
		Energy	
		Entropy	
		Inverse Difference (ID)	
		Homogeneity	
		Maximum Probability (MP)	
		Sum of Squares (SOS)	
		Sum Average (SA)	
		Sum Variance (SV)	
		Sum Entropy (SE)	
		Difference Variance (DV)	
		Difference Entropy (DE)	
		Information Measure of Correlation (IMC)	
		Inverse Difference Normalized (IDN)	
		Inverse Difference Moment Normalized (IDMN)	
Diagonal Moment (DM)			
High-order features	GLRLM	Second Diagonal Moment (SDN)	
		Short-run emphasis (SRE)	
		Long-run emphasis (LRE)	
		Low grey-level run emphasis (LGRE)	
		High grey-level run emphasis (HGRE)	
		Short-run low grey-level emphasis (SRLGE)	
		Short-run high grey-level emphasis (SRHGE)	
		Long-run low grey-level emphasis (LRLGE)	
		Long-run high grey-level emphasis (LRHGE)	
		Grey-level non-uniformity for run (GLNr)	
		Run-length non-uniformity (RLN)	
		Run percentage (RP)	
		GLSZM	Short-zone emphasis (SZE)
			Long- zone emphasis (LZE)
			Low grey-level zone emphasis (LGZE)
	High grey-level zone emphasis (HGZE)		
	Short-zone low grey-level emphasis (SZLGE)		
	Short-zone high grey-level emphasis (SZHGE)		
	Long-zone low grey-level emphasis (LZLGE)		
	Long-zone high grey-level emphasis (LZHGE)		
	Grey-level non-uniformity for zone (GLNz)		
	Zone-length non-uniformity (ZLN)		
	Zone percentage (ZP)		
	Weighted variance of gray-level size, N direction (WVGLZ_N)		
	Weighted variance of gray-level size, S direction (WVGLZ_S)		
	NGLDM		Small number emphasis (SNE)
			Large number emphasis (LNE)
		Number nonuniformity (NN)	
		Second moment (SM)	
	NGTDM	Entropy	
Coarseness			
Contrast			
Busyness			
Complexity			
		Texture strength (TS)	

Supplemental TABLE 2

Impact of iteration number on TF and FOS for each individual reconstruction algorithm. (A): OSEM; (B): OSEM+PSF; (C): OSEM+TOF, (D): OSEM+PSF+TOF

(A)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	COV, Kurtosis, Energy, Entropy, SUVmean, SUVpeak, SUVmax		Variance	Skewness
GLCM	Dissimilarity, Energy, Entropy, ID, Homogeneity, SA, SE, DE, IMC, IDM, IDMN, DM, SDN	Autocorrelation, Contrast, MP, SOS, SV, DV	Correlation	CS
GLRLM	GLNr, RLN, RP, LGRE, HGRE	SRE, LRE, SRLGE, SRHGE, LRLGE, LRHGE		
GLSZM	GLNz, ZLN, LGZE, HGZE	SZE, LZE, SZLGE, SZHGE, LZLGE, LZHGE, WVGLZ_N, WVGLZ_S	ZP	
NGLDM	Entropy	SNE, NN, SM	LNE	
NGTDM		Coarseness, Contrast, TS	Busyness, Complexity	

(B)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	COV, Energy, Entropy, SUVmean, SUVpeak	Kurtosis, SUVmax	Variance, Skewness	
GLCM	Dissimilarity, Energy, Entropy, ID, SA, SE, DE, IMC, IDM, IDMN, DM, SDN	Autocorrelation, Contrast, Homogeneity, MP, SOS, SV, DV	Correlation	CS
GLRLM	GLNr, RLN, RP, LGRE, HGRE	SRE, LRE, SRLGE, SRHGE, LRLGE, LRHGE		
GLSZM	GLNz, ZLN, LGZE	SZE, LZE, HGZE, SZLGE, SZHGE, LZLGE, WVGLZ_N, WVGLZ_S	ZP, LZHGE	
NGLDM	Entropy	SNE, NN, SM	LNE	
NGTDM		Contrast	Coarseness, Busyness, Complexity, TS	

(C)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	COV, Kurtosis, Energy, Entropy, SUVmean, SUVpeak, SUVmax	Variance	Skewness	
GLCM	Dissimilarity, Energy, Entropy, ID, Homogeneity, SOS, SA, SE, DE, IMC, IDM, IDMN, DM, SDN	Autocorrelation, Contrast, Correlation, MP, SV, DV		CS
GLRLM	LRE, GLNr, RLN, RP, LGRE, HGRE, LRLGE, LRHGE	SRE, SRLGE, SRHGE		
GLSZM	LZE, ZLN, LGZE	SZE, GLNz, HGZE, SZLGE, SZHGE, LZLGE, WVGLZ_S	LZHGE, WVGLZ_N	ZP
NGLDM	SNE, SM, Entropy	LNE, NN		
NGTDM		Coarseness, Contrast, Busyness, TS	Complexity	

(D)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	COV, Kurtosis, Entropy, SUVmean, SUVpeak, SUVmax	Variance, Energy	Skewness	
GLCM	Dissimilarity, Energy, Entropy, ID, Homogeneity, SA, SE, DE, IMC, IDM, IDMN, DM, SDN	Autocorrelation, Contrast, MP, SOS, SV, DV	Correlation	CS
GLRLM	GLNr, RLN, RP, LGRE, HGRE	SRE, LRE, SRLGE, SRHGE, LRLGE, LRHGE		
GLSZM	GLNz, ZLN, LGZE	SZE, LZE, HGZE, SZLGE, SZHGE, LZLGE, WVGLZ_N, WVGLZ_S	ZP, LZHGE	
NGLDM	SNE, Entropy	LNE, NN, SM		
NGTDM		Coarseness, Contrast, Busyness, TS	Complexity	

**Supplemental
TABLE 3**

Impact of FWHM on TF and FOS for each individual reconstruction algorithm. (A): OSEM; (B): OSEM+PSF; (C): OSEM+TOF, (D): OSEM+PSF+TOF

(A)				
	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy, SUVmean, SUVpeak	COV, Kurtosis, Energy, SUVmax		Variance, Skewness
GLCM	Energy, Entropy, ID, SE, DE, IMC, IDM, IDMN, DM	Dissimilarity, Homogeneity, MP, SA, SDN	Autocorrelation, Contrast, Correlation, SOS, SV, DV	CS
GLRLM	GLNr, RP, LGRE, HGRE	RLN	SRE, LRE, SRLGE, SRHGE, LRLGE, LRHGE	
GLSZM	ZLN, LGZE	GLNz, HGZE	LZE, SZHGE, LZLGE, WVGLZ_N, WVGLZ_S	SZE, ZP, SZLGE, LZHGE
NGLDM	Entropy	SNE, NN, SM	LNE	
NGTDM		TS	Coarseness, Contrast, Busyness	Complexity
(B)				
	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy, SUVpeak	COV, Kurtosis, Energy, SUVmean	SUVmax	Variance, Skewness
GLCM	Dissimilarity, Energy, Entropy, ID, SE, DE, IMC, IDM, IDMN, DM, SDN	Contrast, Homogeneity, MP, SA, DV	Autocorrelation, Correlation, SOS, SV	CS
GLRLM	GLNr, RP, LGRE, HGRE	RLN	SRE, LRE, SRLGE, SRHGE, LRLGE, LRHGE	
GLSZM	GLNz, ZLN, LGZE	HGZE, WVGLZ_N, WVGLZ_S	SZE, LZE, ZP, SZLGE, SZHGE, LZLGE, LZHGE	
NGLDM	SNE, Entropy	LNE, NN, SM		
NGTDM		Coarseness, Contrast, TS	Busyness, Complexity	
(C)				
	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy, SUVpeak	COV, Kurtosis, Energy, SUVmean	SUVmax	Variance, Skewness
GLCM	Energy, Entropy, ID, SE, DE, IMC, IDM, IDMN, DM	Dissimilarity, Homogeneity, MP, SA, SDN	Autocorrelation, Contrast, Correlation, SOS, SV, DV	CS
GLRLM	GLNr, RP, LGRE, HGRE	RLN	SRE, LRE, SRLGE, SRHGE, LRLGE, LRHGE	
GLSZM	LGZE	GLNz, ZLN, HGZE, WVGLZ_N	SZE, LZE, SZLGE, SZHGE, LZLGE, LZHGE, WVGLZ_S	ZP
NGLDM	Entropy	SNE, NN, SM	LNE	
NGTDM		TS	Coarseness, Contrast, Busyness, Complexity	
(D)				
	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy	COV, Kurtosis, Energy, SUVmean, SUVpeak	SUVmax	Variance, Skewness
GLCM	Energy, Entropy, ID, SE, DE, IMC, IDM, IDMN, DM	Dissimilarity, Homogeneity, MP, SA, SDN	Autocorrelation, Contrast, Correlation, SOS, SV, DV	CS
GLRLM	GLNr, RP, LGRE, HGRE	RLN	SRE, LRE, SRLGE, SRHGE, LRLGE, LRHGE	
GLSZM	GLNz, ZLN, LGZE	HGZE	SZE, LZE, SZLGE, SZHGE, LZLGE, LZHGE, WVGLZ_N, WVGLZ_S	ZP
NGLDM	SNE, Entropy	NN, SM	LNE	
NGTDM		Coarseness, TS	Contrast, Busyness, Complexity	

**Supplemental
TABLE 4**

Impact of grid size on TF and FOS for each individual reconstruction algorithm. (A): OSEM; (B): OSEM+PSF; (C): OSEM+TOF, (D): OSEM+PSF+TOF

(A)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy	COV, SUVmean, SUVpeak	Variance, Kurtosis, Energy, SUVmax	Skewness
GLCM	DE, IDM, IDMN	SA, SE	Autocorrelation, Entropy, ID, SOS, SV	Contrast, Correlation, CS, Dissimilarity, Energy, Homogeneity, MP, DV, IMC, DM, SDN
GLRLM	LGRE, HGRE			SRE, LRE, GLNr, RLN, RP, SRLGE, SRHGE, LRLGE, LRHGE
GLSZM	LGZE	HGZE	SZE, LZE, SZLGE, LZLGE, LZHGE	GLNz, ZLN, ZP, SZHGE, WVGLZ_N, WVGLZ_S
NGLDM			SNE	LNE, NN, SM, Entropy
NGTDM				Coarseness, Contrast, Busyness, Complexity, TS

(B)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy, SUVpeak	Variance, COV, SUVmean, SUVmax	Kurtosis, Energy	Skewness
GLCM	SA, DE, IDM, IDMN	Autocorrelation, SOS, SV, SE	Entropy, ID	Contrast, Correlation, CS, Dissimilarity, Energy, Homogeneity, MP, DV, IMC, DM, SDN
GLRLM	LGRE, HGRE		LRE, LRLGE, LRHGE	SRE, GLNr, RLN, RP, SRLGE, SRHGE
GLSZM	LGZE	LZE, LZHGE	SZE, HGZE, SZLGE, SZHGE, LZLGE	GLNz, ZLN, ZP, WVGLZ_N, WVGLZ_S
NGLDM			SNE	LNE, NN, SM, Entropy
NGTDM				Coarseness, Contrast, Busyness, Complexity, TS

(C)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy, SUVpeak	COV, Kurtosis, SUVmean	Variance, Energy, SUVmax	Skewness
GLCM	DE, IDM, IDMN	SA, SE	Autocorrelation, Entropy, ID, SOS, SV	Contrast, Correlation, CS, Dissimilarity, Energy, Homogeneity, MP, DV, IMC, DM, SDN
GLRLM	LGRE, HGRE		LRE, LRLGE, LRHGE	SRE, GLNr, RLN, RP, SRLGE, SRHGE
GLSZM	LGZE	HGZE	SZE, LZE, SZLGE, SZHGE, LZLGE, LZHGE	GLNz, ZLN, ZP, WVGLZ_N, WVGLZ_S
NGLDM			SNE	LNE, NN, SM, Entropy
NGTDM				Coarseness, Contrast, Busyness, Complexity, TS

(D)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy	Kurtosis, SUVmean, SUVpeak	Variance, COV, Energy, SUVmax	Skewness
GLCM	DE, IDM, IDMN	SA, SV, SE	Autocorrelation, Entropy, ID, SOS	Contrast, Correlation, CS, Dissimilarity, Energy, Homogeneity, MP, DV, IMC, DM, SDN
GLRLM	LGRE, HGRE		LRE, LRLGE, LRHGE	SRE, GLNr, RLN, RP, SRLGE, SRHGE
GLSZM	LGZE	LZE, LZLGE	SZE, HGZE, SZLGE, LZHGE	GLNz, ZLN, ZP, SZHGE, WVGLZ_N, WVGLZ_S
NGLDM			SNE	LNE, NN, SM, Entropy
NGTDM				Coarseness, Contrast, Busyness, Complexity, TS

**Supplemental
TABLE 5**

Change of image features over the default reconstruction settings (**bin size = 128**)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	COV, Entropy	Kurtosis, Energy	Variance	Skewness
GLCM	Dissimilarity, Energy, Entropy, ID, SE, DE, IMC, IDM, IDMN, DM, SDN	Contrast, Correlation, Homogeneity, MP, SA, DV,	Autocorrelation, SOS, SV	CS
GLRLM	GLNr, RP, LGRE, HGRE	RLN	LRE, LRLGE, LRHGE	SRE, SRLGE, SRHGE
GLSZM	GLNz, LGZE, HGZE	ZLN, WVGLZ_N, WVGLZ_S	SZE, LZE, ZP, SZLGE, SZHGE, LZLGE, LZHGE,	
NGLDM	SNE, Entropy	LNE, NN, SM		
NGTDM		Coarseness, Contrast, Busyness	Complexity, TS	

**Supplemental
TABLE 6**

Impact of iteration number on image features (**bin size = 128**)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	COV, Kurtosis, Entropy	Energy	Variance	Skewness
GLCM	Dissimilarity, Energy, Entropy, ID, SA, SE, DE, IMC, IDM, IDMN, DM, SDN	Autocorrelation, Contrast, Homogeneity, MP, SOS, SV, DV	Correlation	CS
GLRLM	GLNr, RLN, RP, LGRE, HGRE	LRE, LRLGE, LRHGE	SRE, SRLGE, SRHGE	
GLSZM	GLNz, ZLN, LGZE, HGZE	SZE, LZE, SZLGE, SZHGE, LZLGE, LZHGE, WVGLZ_N, WVGLZ_S	SZHGE	ZP
NGLDM	SNE, SM, Entropy	LNE, NN		
NGTDM		Contrast	Coarseness, Busyness, Complexity, TS	

**Supplemental
TABLE 7**

Impact of FWHM on image features (**bin size = 128**)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy	COV, Kurtosis, Energy		Variance, Skewness
GLCM	Energy, Entropy, ID, SE, DE, IMC, IDM, IDMN, DM	Dissimilarity, Homogeneity, MP, SA, SDN	Autocorrelation, Contrast, Correlation, SOS, SV, DV	CS
GLRLM	GLNr, RP, LGRE, HGRE	RLN	SRE, LRE, SRLGE, SRHGE, LRLGE, LRHGE	
GLSZM	GLNz, LGZE, HGZE	ZLN, WVGLZ_S	LZE, SZHGE, LZLGE, LZHGE, WVGLZ_N	SZE, ZP, SZLGE
NGLDM	SNE, Entropy	NN, SM	LNE	
NGTDM			Coarseness, Busyness, Contrast, Complexity, TS	

**Supplemental
TABLE 8**

Impact of grid size on image features (bin size = 128)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS		COV, Entropy	Variance, Kurtosis	Skewness, Energy
GLCM	IDM, IDMN	SA, SE, DE	Autocorrelation, Entropy, SOS, SV	Contrast, Correlation, CS, Dissimilarity, Energy, ID, Homogeneity, MP, DV, IMC, DM, SDN
GLRLM	LGRE, HGRE			SRE, LRE, GLNr, RLN, RP, SRLGE, SRHGE, LRLGE, LRHGE
GLSZM	LGZE	HGZE	SZE, LZE, SZLGE, LZLGE, LZHG	GLNz, ZLN, ZP, SZHG, WVGLZ_N, WVGLZ_S
NGLDM		SNE		LNE, NN, SM, Entropy
NGTDM				Coarseness, Contrast, Busyness, Complexity, TS

**Supplemental
TABLE 9**

Change of image features over the default reconstruction settings (**bin size = 32**)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	COV, Entropy	Kurtosis, Energy	Variance	Skewness
GLCM	Dissimilarity, Entropy, ID, Homogeneity, SE, DE, IDM, IDMN, DM, SDN	Contrast, Correlation, Energy, MP, SA, DV, IMC	Autocorrelation, SOS, SV	CS
GLRLM	GLNr, RP, LGRE, HGRE	RLN	SRE, LRE, SRLGE, SRHGE, LRLGE, LRHGE	
GLSZM	LGZE	GLNz, ZLN, HGZE	SZE, LZE, SZLGE, SZHGE, LZLGE, LZHGE, WVGLZ_S, WVGLZ_N	ZP
NGLDM	Entropy	SNE, NN, SM	LNE	
NGTDM		Coarseness, Busyness	Contrast, Complexity, TS	

**Supplemental
TABLE 10**

Impact of iteration number on image features (**bin size = 32**)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	COV, Entropy	Kurtosis, Energy	Variance	Skewness
GLCM	Dissimilarity, Entropy, ID, Homogeneity, SA, SE, DE, IDM, IDMN, DM, SDN	Autocorrelation, Contrast, Energy, MP, SOS, SV, DV, IMC	Correlation	CS
GLRLM	SRE, GLNr, RLN, RP, LGRE, HGRE, SRLGE, SRHGE	LRE, LRLGE, LRHGE		
GLSZM	ZLN, LGZE	SZE, LZE, GLNz, HGZE, SZLGE, LZLGE	SZHGE, LZHGE, WVGLZ_N, WVGLZ_S	ZP
NGLDM	Entropy	SNE, NN, SM	LNE	
NGTDM		Contrast	Coarseness, Busyness, Complexity, TS	

**Supplemental
TABLE 11**

Impact of FWHM on image features (**bin size = 32**)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy	COV, Kurtosis, Energy		Variance, Skewness
GLCM	Entropy, ID, SE, DE, IDM, IDMN, DM	Dissimilarity, Energy, Homogeneity, MP, SA,IMC, SDN	Autocorrelation, Contrast, Correlation, SOS, SV, DV	CS
GLRLM	GLNr, RP, LGRE, HGRE	RLN	SRE, LRE, SRLGE, SRHGE, LRLGE, LRHGE	
GLSZM	LGZE	GLNz, ZLN	LZE, HGZE, SZHGE, LZLGE, WVGLZ_N, WVGLZ_S	SZE, ZP, SZLGE, LZHGE
NGLDM	Entropy	NN, SM	SNE, LNE	
NGTDM		Contrast, TS	Coarseness, Busyness	Complexity

**Supplemental
TABLE 12**

Impact of grid size on image features (**bin size = 32**)

	COV≤5%	5%<COV≤10%	10%<COV≤20%	COV>20%
FOS	Entropy	Kurtosis	Variance, COV, Energy	Skewness
GLCM	SE, IDM, IDMN	SA, DE	Autocorrelation, Entropy, ID, SOS, SV, DM	Contrast, Correlation, CS, Dissimilarity, Energy, Homogeneity, MP, DV, IMC, SDN
GLRLM	LGRE, HGRE			SRE, LRE, GLNr, RLN, RP, SRLGE, SRHGE, LRLGE, LRHGE
GLSZM		LGZE	SZE, LZE, LZLGE	GLNz, ZLN, ZP, HGZE, SZLGE, SZHGE, LZHGE, WVGLZ_N, WVGLZ_S
NGLDM				SNE, LNE, NN, SM, Entropy
NGTDM				Coarseness, Contrast, Busyness, Complexity, TS