Table S1 Specific categories of radiomics features

Matrix	Radiomics feature name	Abbreviations
Gray Level Co-occurrence Matrix (GLCM)	Second angular moment	GLCM_SAM
	Contrast	GLCM_Contrast
	Entropy	GLCM_Entropy
	Homogeneity	GLCM_Homogeneity
	Dissimilarity	GLCM_Dissimilarity
	Inverse difference moment	GLCM_IDM
	Correlation	GLCM_Correlation
Normalized (NL) GLCM	Normalized Second Angular Moment	NL_GLCM_SAM
	Normalized Contrast	NL_GLCM_Contrast
	Normalized Entropy	NL_GLCM_Entropy
	Normalized Homogeneity	NL_GLCM_Homogeneity
	Normalized Dissimilarity	NL_GLCM_Dissimilarity
	Normalized Inverse difference moment	NL_GLCM_IDM
Gray Level Run-length Matrix (GLRM)	Short run emphasis	GLRM_SRE
	Long run emphasis	GLRM_LRE
	Intensity variability	GLRM_IV
	Run-length variability	GLRM_RLV
	Run percentage	GLRM_RP
	Low-intensity run emphasis	GLRM_LIRE
	High-intensity run emphasis	GLRM_HIRE
	Low-intensity short-run emphasis	GLRM_LISRE
	High-intensity short-run emphasis	GLRM_HISRE
	Low-intensity long-run emphasis	GLRM_LILRE
	High-intensity long-run emphasis	GLRM_HILRE
Gray Level Neighborhood Intensity-difference Matrix (GLNIDM)	Coarseness	GLNIDM_Coarseness
	Contrast	GLNIDM_Contrast
	Busyness	GLNIDM_Busyness
	Complexity	GLNIDM_Complexity
	Strength	GLNIDM_Strength
Gray Level Size Zone Matrix (GLSZM)	Short-zone emphasis	GLSZM_SZE
	Large-zone emphasis	GLSZM_LZE
	Intensity variability	GLSZM_IV
	Size-zone variability	GLSZM_SZV
	Zone percentage	GLSZM_ZP
	Low-intensity zone emphasis	GLSZM_LIZE
	High-intensity zone emphasis	GLSZM_HIZE
	Low-intensity short-zone emphasis	GLSZM_LISZE
	High-intensity short-zone emphasis	GLSZM_HISZE
	Low-intensity large-zone emphasis	GLSZM_LILZE
	High-intensity large-zone emphasis	GLSZM_HILZE
Standardized Uptake Value (SUV) Statistics	SUV Variance	Variance
	SUV Skewness	Skewness
	SUV Kurtosis	Kurtosis
	SUV bias-corrected Skewness	Skewness$_{bias-corrected}$
	SUV bias-corrected Kurtosis	Kurtosis$_{bias-corrected}$
	Entropy	Entropy
	SUL$_{peak}$	SUL$_{peak}$
	Surface area	Surface area
	Asphericity	Asphericity
	Asphericity 2	Asphericity 2
	Asphericity 3	Asphericity 3
	Surface mean SUV 1	Surface SUV$_{mean}$ 1
	Surface total SUV 1	Surface total 1
	Surface SUV entropy 1	Surface entropy 1
	Surface SUV variance 1	Surface variance 1
	Surface SUV SD 1	Surface SD 1
	Surface SUV NSR 1	Surface NSR 1
	Surface mean SUV 2	Surface SUV$_{mean}$ 2
	Surface total SUV 2	Surface total 2
	Surface SUV entropy 2	Surface entropy 2
	Surface SUV variance 2	Surface variance 2
	Surface SUV SD 2	Surface SD 2
	Surface SUV NSR 2	Surface NSR 2
	Surface mean SUV 3	Surface SUV$_{mean}$ 3
	Surface total SUV 3	Surface total 3
	Surface SUV entropy 3	Surface entropy 3
	Surface SUV variance 3	Surface variance 3
	Surface SUV SD 3	Surface SD 3
	Surface SUV NSR 3	Surface NSR 3
	Surface mean SUV 4	Surface SUV$_{mean}$ 4
	Surface total SUV 4	Surface total 4
	Surface SUV entropy 4	Surface entropy 4
	Surface SUV variance 4	Surface variance 4
	Surface SUV SD 4	Surface SD 4
	Surface SUV NSR 4	Surface NSR 4
	SUVmean_prod_asphericity	SUVmean_prod_A
	SUVmax_prod_asphericity	SUVmax_prod_A
	Entropy_prod_asphericity	Entropy_prod_A
	SULpeak_prod_asphericity	SULpeak_prod_A
	SUVmean_prod_surface_area	SUVmean_prod_SA
	SUVmax_prod_surface_area	SUVmax_prod_SA
	Entropy_prod_surface_area	Entropy_prod_SA
	SULpeak_prod_surface_area	SULpeak_prod_SA
Texture Spectrum (TS)	Max spectrum	TS_Max spectrum
Texture Feature Coding (TFC)	Coarseness	TFC_Coarseness
	Mean convergence	TFC_MC
	Variance	TFC_Variance
Texture Feature Coding co-occurrence matrix (TFCCM)	Second angular moment	TFCCM_SAM
	Contrast	TFCCM_Contrast
	Entropy	TFCCM_Entropy
	Homogeneity	TFCCM_Homogeneity
	Intensity	TFCCM_Intensity
	Inverse difference moment	TFCCM_IDM
	Code Entropy	TFCCM_CE
	Code Similarity	TFCCM_CS
Neighboring Gray Level Dependence (NGLD)	Small number emphasis	NGLD_SNE
	Large number emphasis	NGLD_LNE
	Number nonuniformity	NGLD_NNU
	Second moment	NGLD_SM
	Entropy	NGLD_Entropy