

Pentoxifylline and Vitamin E for the Treatment of Radiation Necrosis: A Retrospective Cohort Analysis

Supplementary Table S1: Highest weighted radiomic features in SVM models of original and LLH-filtered images

TOP TEN FEATURES: ORIGINAL (NO FILTERS)	
1	original_glcmm_Imc2
2	original_glrmm_ShortRunEmphasis
3	original_glcmm_Idmn
4	original_shape_LeastAxisLength
5	original_firstorder_Median
6	original_glszm_SmallAreaLowGrayLevelEmphasis
7	original_ngtdm_Contrast
8	original_gldm_SmallDependenceLowGrayLevelEmphasis
9	original_gldm_LowGrayLevelEmphasis
10	original_shape_MinorAxisLength

TOP TEN FEATURES: WAVELET FILTER (LLH)	
1	glcm_Imc1
2	glcm_Correlation
3	ngtdm_Coarseness
4	glszm_ZonePercentage
5	glcm_Imc2
6	gldm_DependenceNonUniformity
7	gldm_SmallDependenceEmphasis
8	glcm_ClusterShade
9	glcm_MaximumProbability
10	irstorder_Minimum

Supplementary Table S2: Performance of radiomics models with varying wavelet filters with and without SMOTE

	AUC with SMOTE	AUC without SMOTE
Original (no filter)	0.47±0.030	0.50±0.023
HHH	0.46±0.119	0.48±0.106
HHL	0.59±0.111	0.57±0.111
HLH	0.57±0.114	0.53±0.116
HLL	0.51±0.107	0.51±0.109
LHH	0.50±0.099	0.47±0.097
LHL	0.63±0.097	0.60±0.098
LLH	0.69±0.091	0.60±0.067
LLL	0.45±0.055	0.46±0.041