

Appendix 1

Radscore = 0.4458333333333323 + +0.001699 * original_shape_Elongation -0.001070 * original_shape_SurfaceArea
 +0.200036 * original_shape_SurfaceVolumeRatio +0.018807 * original_firstorder_10Percentile -0.024703 * original_
 firstorder_Range -0.071436 * original_glcmm_Idn +0.002004 * original_glszm_LargeAreaHighGrayLevelEmphasis +0.004373
 * original_glszm_LargeAreaLowGrayLevelEmphasis +0.001518 * log-sigma-1-0-mm-3D_firstorder_Maximum -0.293437
 * log-sigma-1-0-mm-3D_firstorder_Skewness +0.264123 * log-sigma-1-0-mm-3D_glcmm_Correlation +0.055944 * log-
 sigma-1-0-mm-3D_glcmm_Idn +0.272154 * log-sigma-1-0-mm-3D_glszm_ZoneEntropy -0.025441 * log-sigma-1-0-mm-
 3D_gldm_LargeDependenceLowGrayLevelEmphasis +0.118670 * log-sigma-2-0-mm-3D_firstorder_Kurtosis -0.010348
 * log-sigma-2-0-mm-3D_firstorder_Maximum -0.010236 * log-sigma-2-0-mm-3D_glszm_SmallAreaEmphasis -0.078725
 * log-sigma-2-0-mm-3D_gldm_LargeDependenceHighGrayLevelEmphasis -0.019601 * log-sigma-2-0-mm-3D_gldm_
 LargeDependenceLowGrayLevelEmphasis -0.083442 * log-sigma-2-0-mm-3D_gldm_LowGrayLevelEmphasis -0.040622
 * log-sigma-3-0-mm-3D_glszm_GrayLevelVariance -0.054789 * log-sigma-4-0-mm-3D_firstorder_Kurtosis +0.000321
 * log-sigma-4-0-mm-3D_firstorder_Maximum +0.002320 * log-sigma-4-0-mm-3D_gldm_LowGrayLevelEmphasis
 -0.042130 * log-sigma-5-0-mm-3D_firstorder_Kurtosis -0.004319 * log-sigma-5-0-mm-3D_firstorder_Range -0.021980
 * log-sigma-5-0-mm-3D_firstorder_RobustMeanAbsoluteDeviation -0.057669 * log-sigma-5-0-mm-3D_glszm_
 SizeZoneNonUniformity +0.020657 * log-sigma-5-0-mm-3D_glszm_ZoneEntropy -0.028434 * log-sigma-5-0-mm-3D_
 gldm_LargeDependenceHighGrayLevelEmphasis +0.009812 * log-sigma-5-0-mm-3D_gldm_LowGrayLevelEmphasis
 -0.013139 * wavelet-LLH_glszm_LargeAreaHighGrayLevelEmphasis -0.049691 * wavelet-LHL_firstorder_Maximum
 +0.017324 * wavelet-LHL_glszm_LargeAreaHighGrayLevelEmphasis -0.061471 * wavelet-LHH_firstorder_Mean -0.065754
 * wavelet-LHH_glcmm_Correlation -0.015996 * wavelet-LHH_gldm_LargeDependenceHighGrayLevelEmphasis +0.051096
 * wavelet-LHH_gldm_SmallDependenceL