Supplementary Material

# Supplementary Data

Rad-score = 1/{1+EXP(-(gradient\_glrlm\_RunEntropy@dce × 0.0426 + original\_glszm\_LargeAreaHighGrayLevelEmphasis@dwi × 0.5376 + square\_gldm\_GrayLevelVariance@dwi × 0.0522 + square\_gldm\_SmallDependenceHighGrayLevelEmphasis@dwi × 0.1241 + square\_glrlm\_ShortRunLowGrayLevelEmphasis@dwi × -0.3369 + exponential\_glrlm\_RunLengthNonUniformityNormalized@adc × -0.0659 + wavelet-LLH\_glcm\_Idn@dce × 0.491 + wavelet-LHL\_glcm\_InverseVariance@t2wi × 0.8018 + gradient\_glcm\_Idn@dce × 0.0454 + wavelet-LHL\_glcm\_Correlation@dwi × 0.1349 + wavelet-LHL\_glcm\_Imc1@dce × 0.314 + wavelet-LLL\_glcm\_Contrast@dwi × 0.2949 + gradient\_firstorder\_Variance@dce × 0.1869 + logarithm\_glcm\_InverseVariance@t2wi × 0.3192 + exponential\_glcm\_DifferenceVariance@dwi × 0.136 + exponential\_gldm\_LargeDependenceLowGrayLevelEmphasis@dwi × -0.0478 + wavelet-LHH\_glcm\_InverseVariance@t2wi × 0.3235 + square\_gldm\_DependenceNonUniformityNormalized@dwi × 0.2845 + wavelet-HLL\_gldm\_DependenceNonUniformityNormalized@dce × -0.7058 + logarithm\_glcm\_DifferenceAverage@dwi × -0.3209 + square\_gldm\_DependenceVariance@dwi × -0.5986 + exponential\_glrlm\_ShortRunEmphasis@adc × -0.9012 + square\_glcm\_Imc2@adc × -0.6034 + square\_gldm\_LargeDependenceHighGrayLevelEmphasis@t2wi × 0.1442 + square\_glrlm\_LongRunEmphasis@adc × 0.4506 + wavelet-LHH\_firstorder\_InterquartileRange@dce × 0.5869 + wavelet-HLL\_glszm\_SizeZoneNonUniformityNormalized@dce × -0.4755 + wavelet-HHL\_firstorder\_Range@adc × 0.773 + square\_gldm\_GrayLevelNonUniformity@dce × 0.1441 + wavelet-HHL\_glcm\_Correlation@adc × -0.5905 + wavelet-HLH\_gldm\_LargeDependenceLowGrayLevelEmphasis@dwi × -0.1354 + lbp-2D\_firstorder\_Skewness@dwi × 0.1644 + lbp-2D\_firstorder\_RobustMeanAbsoluteDeviation@dwi × -0.3213 + wavelet-LLH\_firstorder\_10Percentile@dce × -0.5949 + gradient\_glcm\_Idn@adc × -0.382 + wavelet-LLH\_glszm\_ZoneVariance@dwi × -0.5065 + wavelet-HLL\_gldm\_SmallDependenceHighGrayLevelEmphasis@dwi × -0.0955 + gradient\_glszm\_LargeAreaLowGrayLevelEmphasis@adc × 0.3388 + wavelet-LLH\_glszm\_LargeAreaEmphasis@dwi × -0.3084 + wavelet-LLL\_gldm\_DependenceNonUniformityNormalized@dwi × 0.5048 + wavelet-HLH\_glszm\_GrayLevelVariance@adc × 0.4015 + wavelet-LHL\_firstorder\_InterquartileRange@dce × 0.4771 + wavelet-LHH\_glcm\_DifferenceEntropy@t2wi × -0.6079 + wavelet-HHH\_firstorder\_RobustMeanAbsoluteDeviation@adc × 0.7475 + wavelet-HHL\_glszm\_LargeAreaEmphasis@dwi × -0.239+0.6570813))}

# Supplementary Tables

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| The parameters of multi-parametric MRI sequences | | | | |
| sequence type | repetition time / echo time (TR/TE) | section thickness | field of view (FOV) | Bandwidth (Hz/Px) |
| Axial T2WI | 6220ms/104ms | 3.0 mm | 200 mm | 200 |
| DWI | 4200 ms/74ms | 3.0 mm | 200 mm | 1202 |
| DCE | 3.9ms/1.9ms | 2.0 mm | 376 mm | 450 |