

Supplimentary File

Table S1. List of the selected radiomic features able to discriminate between benign and malignant PGT, that were included in the LASSO regression analysis.

MRI Sequence	Radiomic Feature	Radiomic Group	Associated Filter	p-value*
T2-WI	Contrast	NGTDM	LoG filter (3 mm)	0.026
T2-WI	DifferenceEntropy	GLCM	LoG filter (5 mm)	0.010
T2-WI	LongRunEmphasis	GLRLM	LoG filter (5 mm)	0.024
T2-WI	Imc1	GLCM	wavelet-LLH	0.004
T2-WI	Strength	NGTDM	wavelet-LHL	0.032
T2-WI	Contrast	GLCM	wavelet-LHH	0.003
T2-WI	Imc2	GLCM	wavelet-LHH	0.044
T2-WI	DependenceVariance	GLDM	wavelet-LHH	0.042
T2-WI	Mean	firstorder	wavelet-HLL	0.026
T2-WI	RootMeanSquared	firstorder	wavelet-HLL	0.017
T2-WI	RootMeanSquared	firstorder	wavelet-HLH	0.039
T2-WI	GrayLevelNonUniformityNormalized	GLSZM	wavelet-HLH	0.029
T2-WI	Mean	firstorder	wavelet-LLL	0.012
T2-WI	Busyness	NGTDM	wavelet-LLL	0.015
T2-WI	Imc2	GLCM	wavelet-LLH	0.002
T2-WI	Correlation	GLCM	wavelet-LHL	<0.001
T2-WI	ClusterTendency	GLCM	wavelet-LLH	0.005
T2-WI	SizeZoneNonUniformityNormalized	GLSZM	wavelet-LLH	0.017
T2-WI	SumAverage	GLCM	wavelet-LLL	0.029
T2-WI	GrayLevelVariance	GLSZM	wavelet-LLL	0.039
fsCE-T1-WI	SizeZoneNonUniformityNormalized	GLSZM	original	0.014
fsCE-T1-WI	SmallDependenceEmphasis	GLDM	LoG filter (5 mm)	0.049
fsCE-T1-WI	SizeZoneNonUniformityNormalized	GLSZM	wavelet-LHL	0.014
fsCE-T1-WI	SmallAreaEmphasis	GLSZM	wavelet-LHL	0.021
fsCE-T1-WI	HighGrayLevelRunEmphasis	GLRLM	wavelet-LHH	0.003
fsCE-T1-WI	Skewness	firstorder	wavelet-HLL	0.010
fsCE-T1-WI	HighGrayLevelRunEmphasis	GLRLM	wavelet-HLH	<0.001
fsCE-T1-WI	Skewness	firstorder	wavelet-HHH	0.042

fsCE=fat-saturated with contrast enhancement; ngtdm = neighbouring gray tone difference matrix; glcm = gray-level co-occurrence matrix; glrlm = gray-level run length matrix; gldm = gray-level dependence matrix; glszm = gray-level size zone matrix; LoG=Laplacian of Gaussian; *p value in the univariate analysis using Mann-Whitney U test and the Benjamini Hochberg correction for multiple tests.

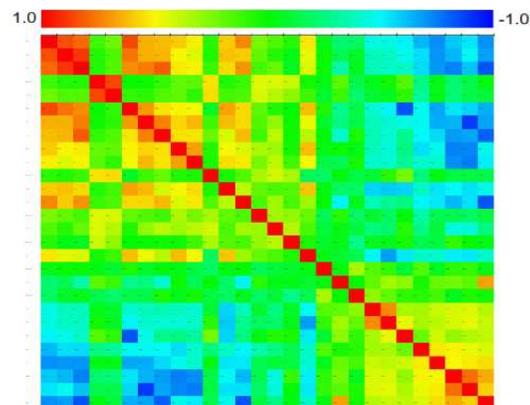


Figure S1. Correlogram of the final selected radiomic features (n=28) using the Spearman's correlation.