

# Supplementary materials: Multimodal Radiomic Features for the Predicting Gleason Score of Prostate Cancer

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Table S1. Description of features extracted from JIM/GLCM of PCa tumors.

Features/functions	Description
<b>Angular second moment</b>	Measures the textural uniformity and detects disorders in textures
<b>Contrast</b>	Measures the local intensity variation
<b>Correlation</b>	Describes the linear dependency of gray level values relative to their respective intensity of the JIM/GLCM
<b>Sum of squares variance</b>	Measures the distribution of neighboring intensity level pairs compared to the average of intensity level of the JIM/GLCM
<b>Homogeneity</b>	Measures the similarity of the distribution of elements of the JIM/GLCM relative to the JIM/GLCM diagonal
<b>Sum-average</b>	Measures the relationship between occurrences of pairs with lower intensity values and occurrences of pairs with higher intensity values
<b>Sum-variance</b>	Describes the extent of variation of elements which differ from the average value of the JIM/GLCM.
<b>Sum-entropy</b>	Representation the sum of the differences in neighborhood intensity values.
<b>Entropy</b>	Describes the randomness of the JIM/GLCM
<b>Difference variance</b>	Measure of heterogeneity which emphasizes intensity level pairs which deviate more from the mean.
<b>Difference entropy</b>	Measure of the randomness/variability in the differences of neighborhood intensity values.
<b>Information of correlation 1</b>	Measure of the differences of randomness (entropy)
<b>Information of correlation 2</b>	Measure of the differences of randomness using exponential formula
<b>Autocorrelation</b>	Measure of the magnitude of the fineness and coarseness of texture
<b>Dissimilarity</b>	Describes the contrast of the local region
<b>Cluster shade</b>	Measure of the skewness and uniformity of the JIM/GLCM
<b>Cluster prominence</b>	Measure of the skewness and asymmetry of the JIM/GLCM
<b>Maximum probability</b>	Representation of the occurrences of the most predominant pair of neighboring intensity values.
<b>Inverse difference</b>	Measure of the local homogeneity of an image