**Table S1.** Selected radiomics features.

|  |  |  |
| --- | --- | --- |
| **Type** |  **Name** | **Calculation formula** |
|  |  |  |
| First Order Features |
| Mean\* |  |
|  |  |  |
| GLCM |  |  |
|  | Inverse Variance\* |  |
|  | Cluster Shade\* |  |
|  | IMC 1# |  |
| GLSZM |  |  |
|  | SZNN\*# |  |
|  | SALGLE\*# |  |
| NGTDM |
|  | Busyness\*$ $ |  |
| GLDM | DV\*# |  |

NOTE: \*, the features were from the filter of logarithm; #, the features were from the filter of wavelet.

(1) First order features.

1)Mean, The average gray level intensity within the ROI.

(2) GLCM, Gray Level Co-occurrence Matrix Features.

1) Inverse Variance, is a measure of the local homogeneity of an image.

2) Cluster Shade, is a measure of the skewness and uniformity of the GLCM.

3) IMC 1, assesses the correlation between the probability distributions.

(3) GLSZM, Gray Level Size Zone Matrix Features Gray Level Co-occurrence Matrix Features.

1) SALGLE, Small Area Low Gray Level Emphasis, measures the joint distribution of small dependence with lower gray-level values.

2) SZNN, Size-zone non-uniformity normalized, it describes the variability of size zone volumes throughout the image.

(4) NGTDM, Neighboring Gray Tone Difference Matrix Features

1) Busyness, it measures the change from a pixel to its neighbor.

(5) GLDM, Gray Level Dependence Matrix Features.

1) Dependence Variance, Measures the variance in dependence size in the image.