

Radiomic features

Radiomic features, have the potential to uncover disease characteristics that fail to be appreciated by the naked eye.

Radiomic features can be divided into five groups: size and shape-based-features, descriptors of the image intensity histogram, descriptors of the relationships between image voxels (e.g. gray-level co-occurrence matrix (GLCM), run length matrix (RLM), size zone matrix (SZM), and neighborhood gray-tone difference matrix (NGTDM) derived textures, textures extracted from filtered images, and fractal features. The mathematical definitions of these features are independent of imaging modality and can be found in the literature

[The Image Biomarker Standardization Initiative](#) standardized a set of 169 [radiomic features](#), which enabled verification and calibration of different radiomics software ¹⁾.

¹⁾

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