



CT radiomics for predicting perineural invasion status in rectal cancer



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Preoperative prediction of perineural invasion with multi-modality



Radiomic nomogram was presented to predict Perineural Invasion status in rectal cancer. The nomogram was built in the training dataset with the T2 score and CT score using a multivariate logistic regression model. The range of T2 score and CT score are respectively - 2.4 to 0.4 and - 8 to 4.

Author: Yu Guo, Quan Wang, Yan Guo, Yiyang Zhang, Yu Fu, Huimao Zhang

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We aim to predict PNI status in rectal cancer using multi-modality radiomics. In total, 396 radiomics features were extracted from **T2-weighted images (T2WIs)**, **diffusion-weighted images (DWIs)**, and portal venous phase of contrast-enhanced CT (CE-CT) respectively of 94 consecutive patients with histologically confirmed rectal cancer.

Author: Yu Guo, Quan Wang, Yan Guo, Yiyang Zh... **Publish Year:** 2021


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