A Radiomics Nomogram Model to Preoperatively Predict Histologic Grade in Pancreatic Neuroendocrine Tumors





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Session Title: Computed Tomography I Date: 07/31/2018 Session Time: 04:30 - 06:00PM In our study, a radiomics nomogram model incorporates the radiomics signature and tumor clinical stage was constructed. The proposed model was used to preoperatively predict the pathological grade of pNETs (Grade 1 versus Grade 2/3), showing good discriminative performance in both training and independent validation set. The combined nomogram model also demonstrated good predictive prognosis for pNETs after surgery. The study provides a noninvasive preoperative prediction model which can be used to evaluate the probability of having pNETs Grade 2/3 and a prognostic biomarker for pNETs. It is potentially a powerful tool to the personalized preoperative evaluation.



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