

SS4-2 Lymph node metastasis detection in colorectal cancer: using previous domain knowledge for development of diagnostic algorithm.

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= Abstract =

Detection of lymph node metastasis in malignant tumors is one of the important tasks that can be significantly automatized to increase accuracy and save pathologists' time. Previously, we developed an accurate deep learning-based diagnostic tool for tissue segmentation and classification in primary colorectal cancer. In my presentation I will show how the domain knowledge from previous projects can be used to facilitate development of diagnostic algorithm for another application (lymph node metastasis detection).