

MULTI-LOSS CONVOLUTIONAL NETWORKS FOR GLAND ANALYSIS IN MICROSCOPY

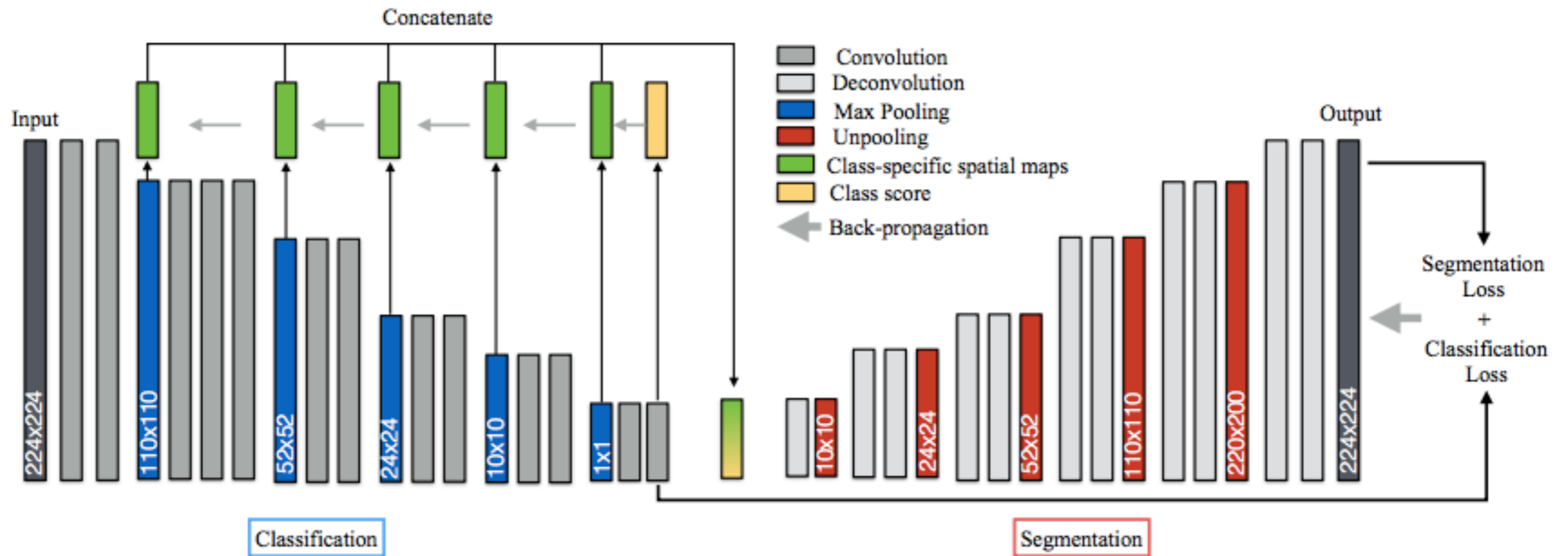
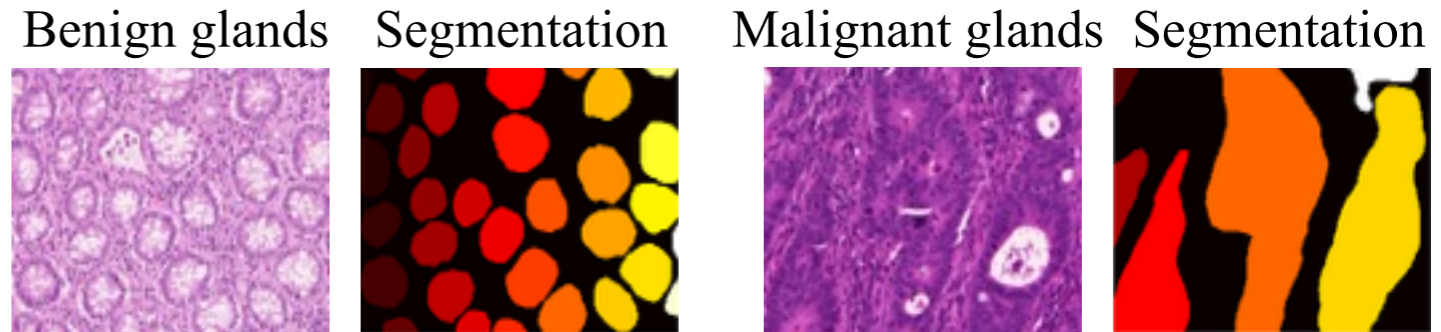
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Gland segmentation is often a pre-requisite for automatic cancer diagnosis.

This study evaluates if class information (e.g benign vs malignant) should influence segmentation.



Evaluation on 80 benign and malignant colon adenocarcinoma:

+6 to 13% in object Dice.

+3 to 6% in classification accuracy.