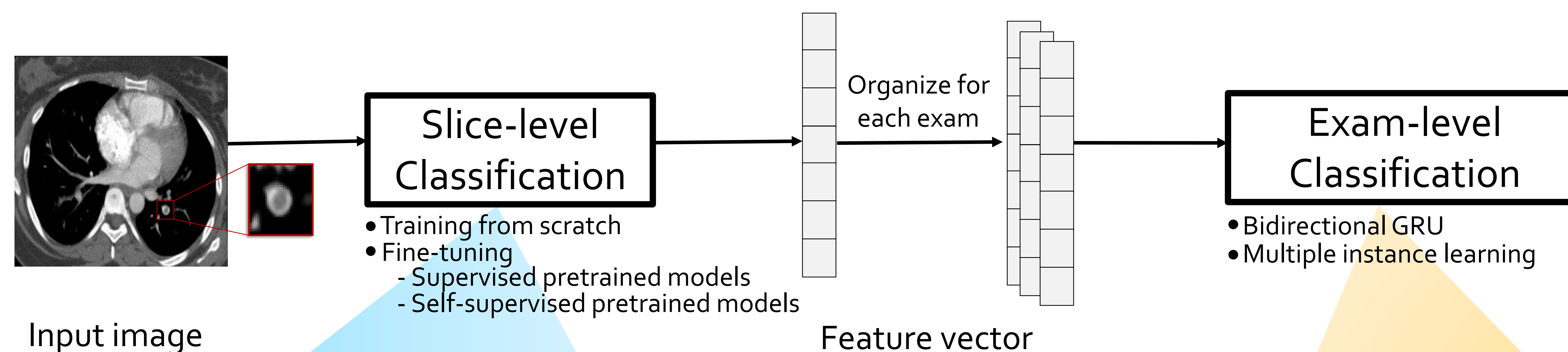
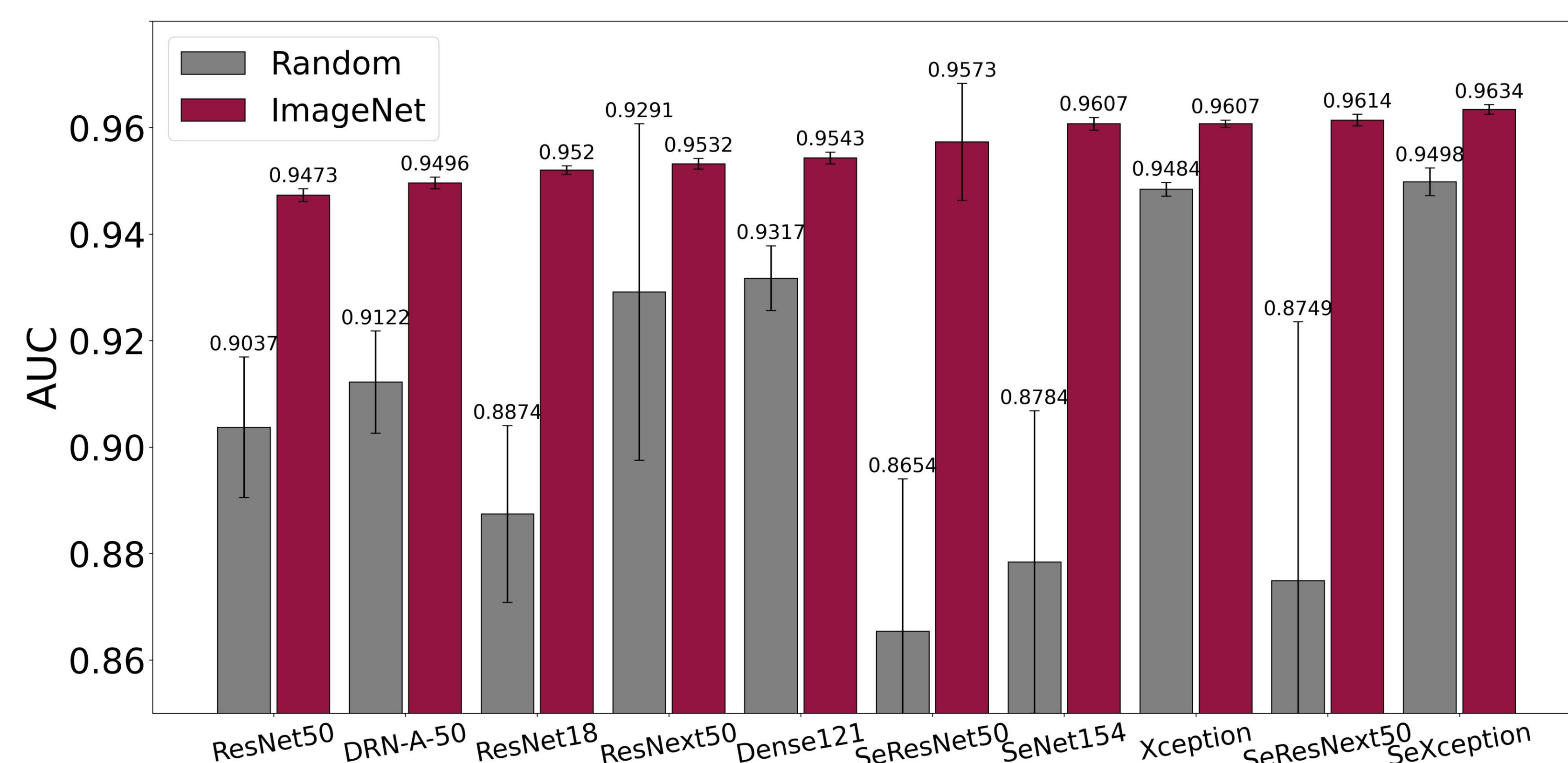


# Seeking an Optimal Approach for Computer-Aided Pulmonary Embolism Detection

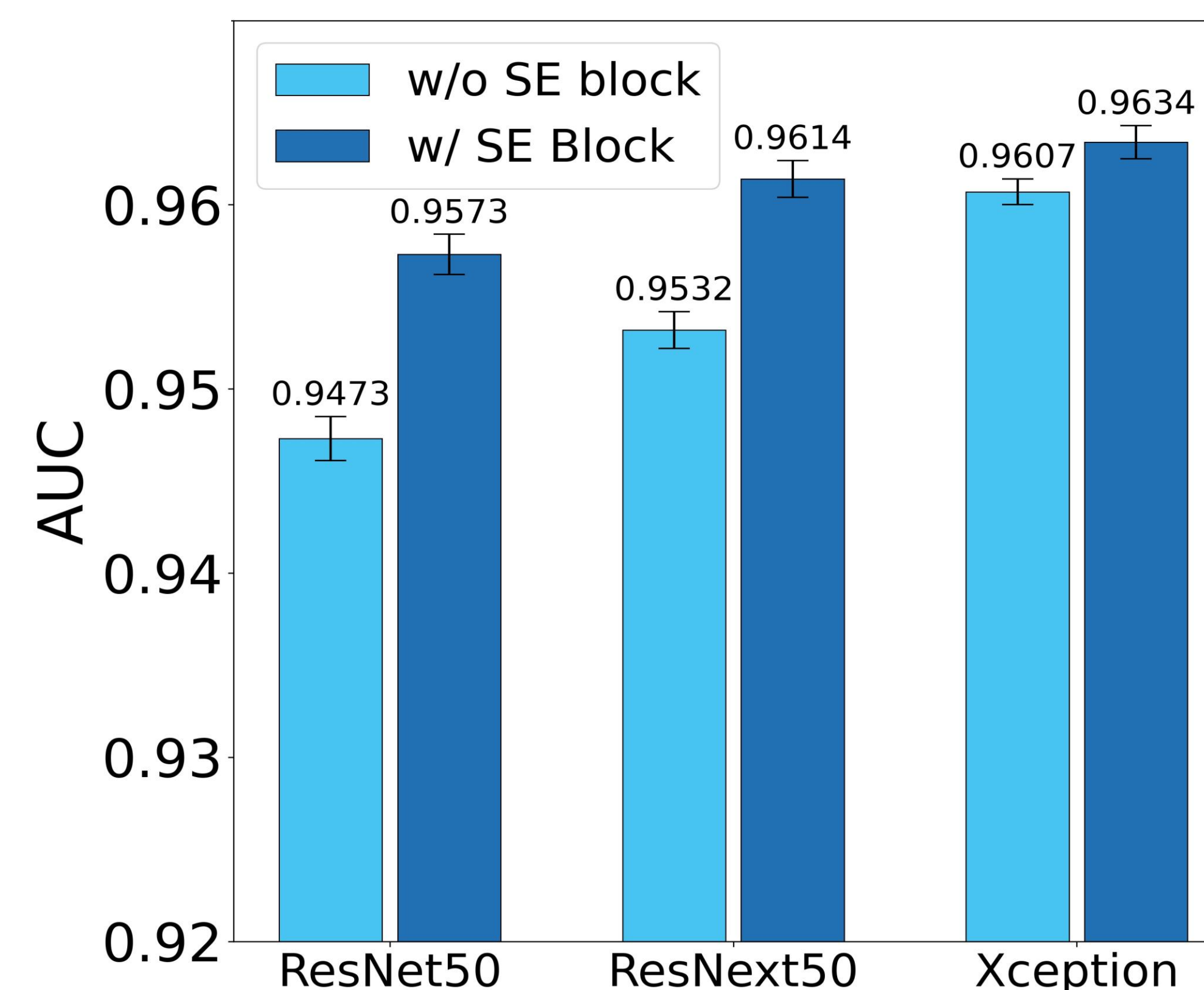


**What deep learning architectures, model initialization, and learning paradigms should be used for CAD applications in medical imaging?**

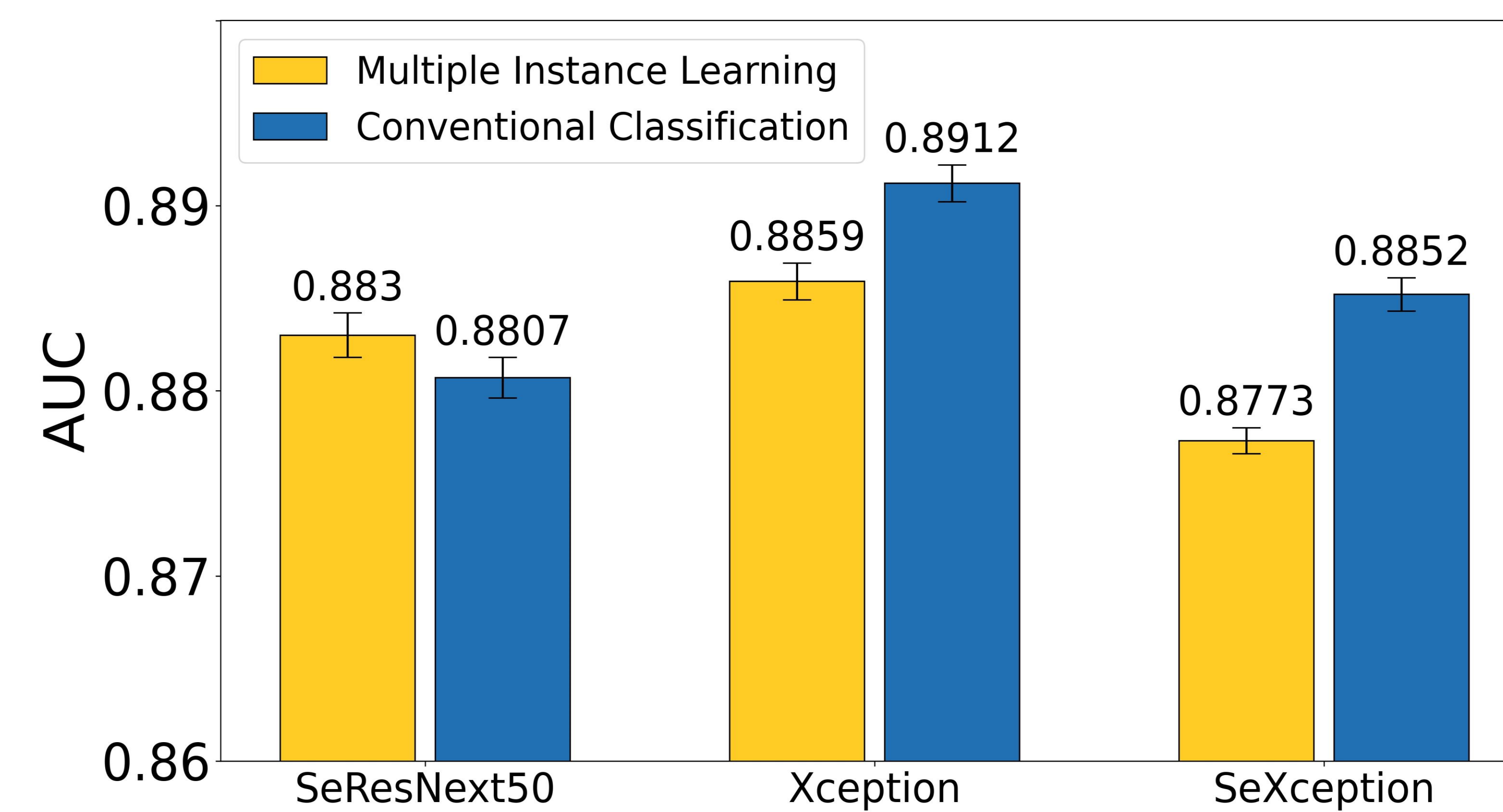
Transfer learning improves the performance despite modality difference between datasets



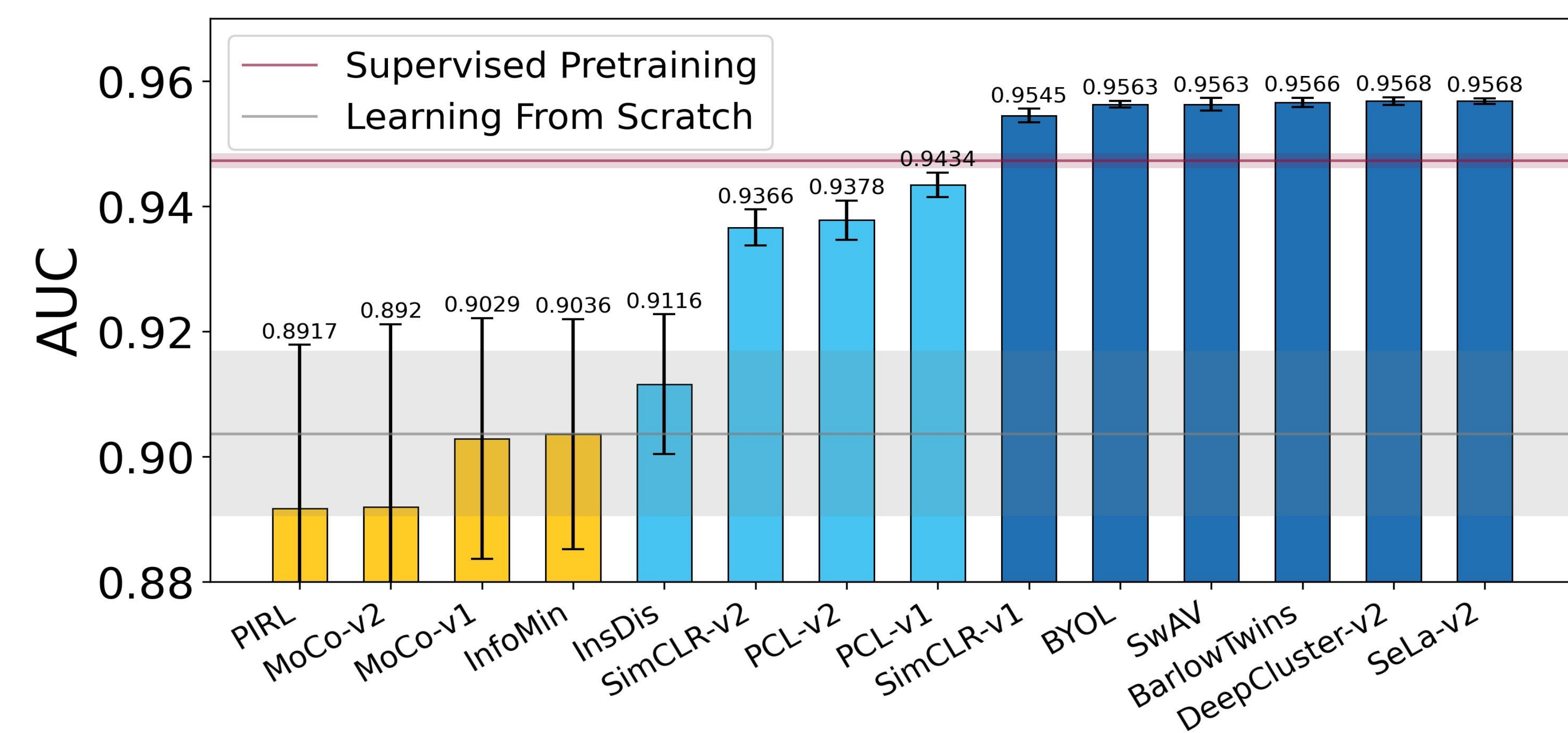
Squeeze & excitation blocks enhance CNN performance



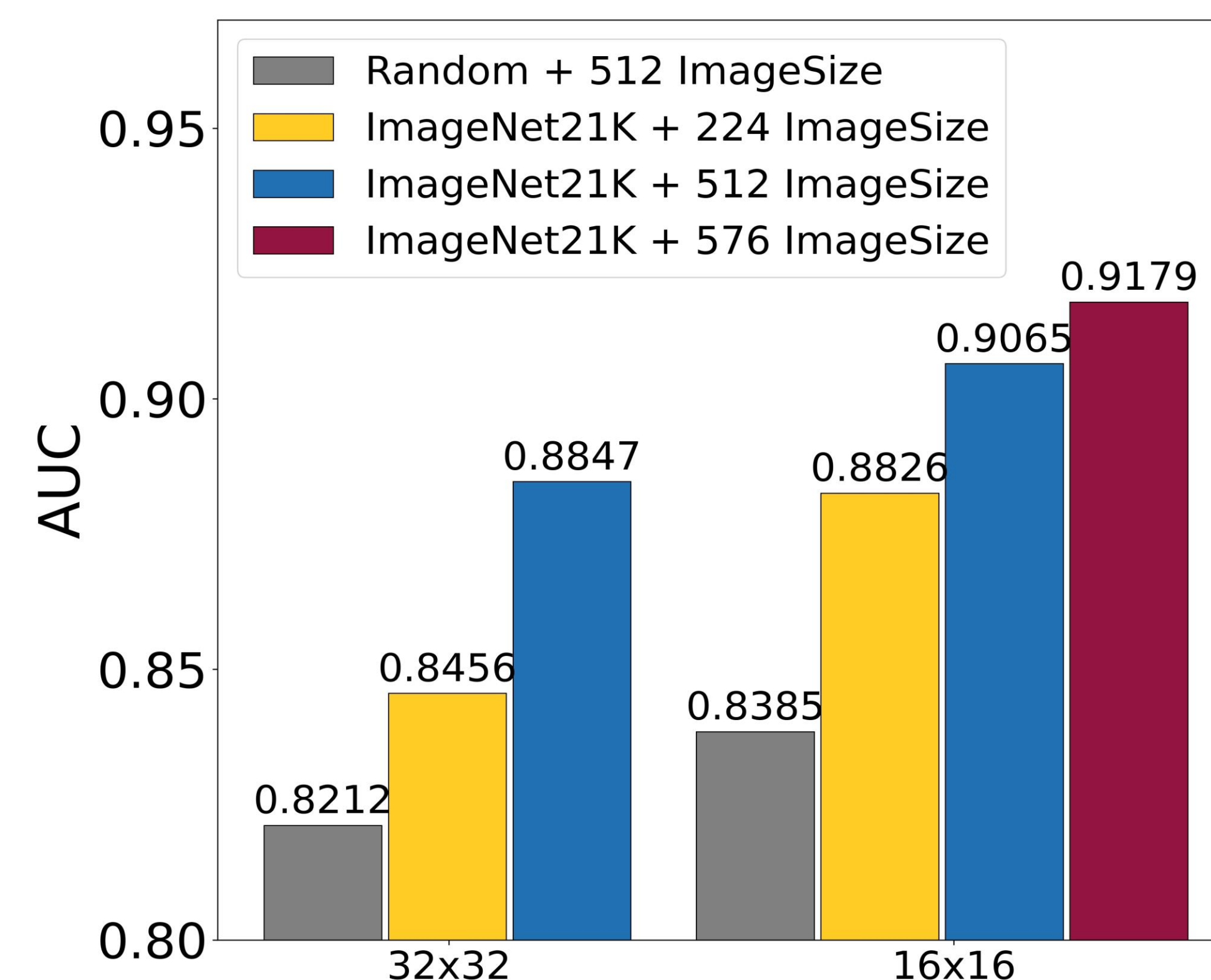
Conventional classification (CC) marginally outperforms the Multiple instance learning (MIL) for exam-level data



Transfer learning with self-supervised methods performs better than supervised model



Vision transformer performs inferiorly compared with CNN



Attention map highlights the potential PE location in the image

