

CT NORMALIZATION BY PAIRED IMAGE-TO-IMAGE TRANSLATION FOR LUNG EMPHYSEMA QUANTIFICATION

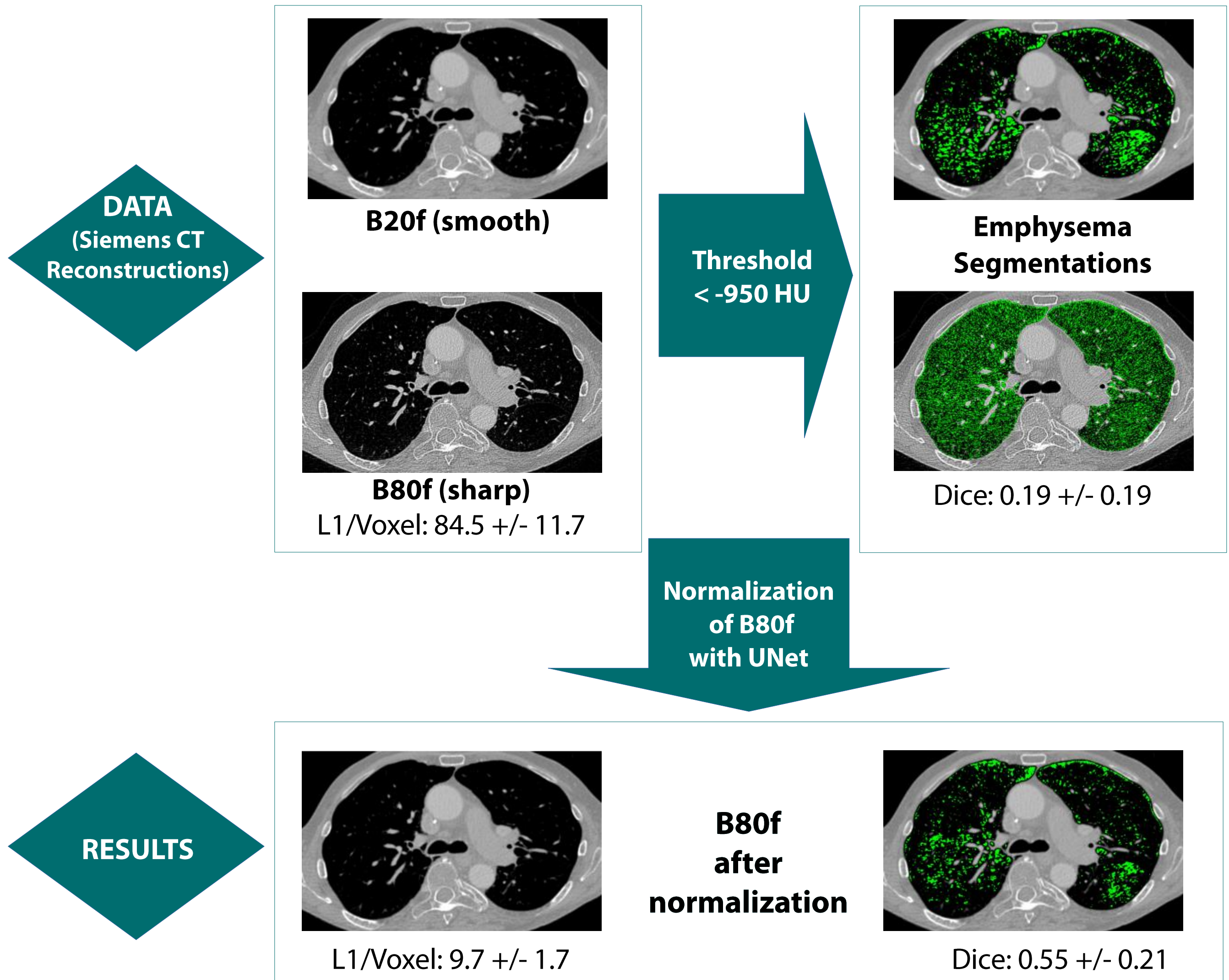


UNIVERSITÄT ZU LÜBECK
INSTITUTE OF MEDICAL INFORMATICS

Insa Lange, Fabian Jacob, Alex Frydrychowicz, Heinz Handels, Jan Ehrhardt

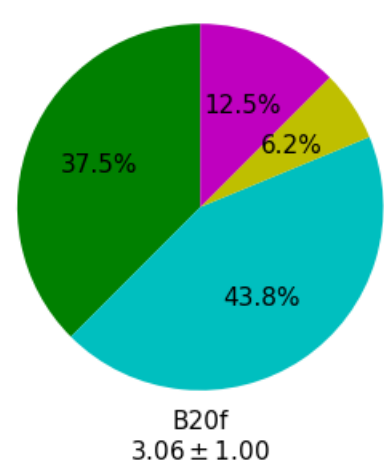
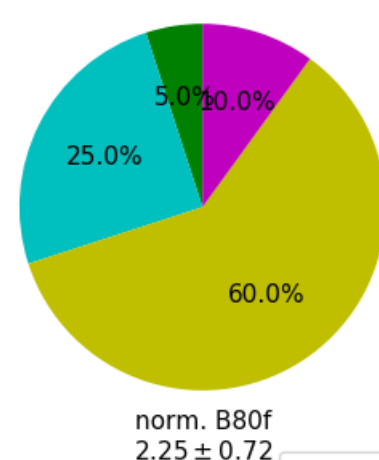
Institute of Medical Informatics, University of Lübeck

Department for Radiology and Nuclear Medicine, University Hospital of Schleswig-Holstein

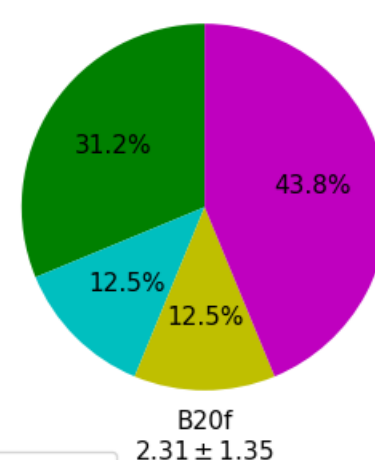
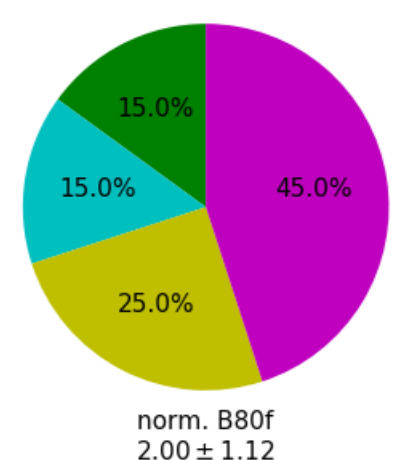


Diagnostic quality assessment

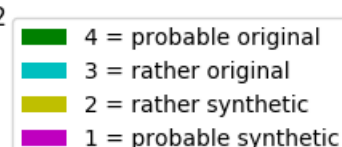
Images rated (score 0 to 5) by clinical radiologist (>5 years experience) and computer scientist specialized on medical imaging (>5 years experience)



Radiologist



Computer Scientist



Key lesson:

Qualitative assessment of synthetically generated medical images should always be performed by experienced radiologists on clinical workstations.

