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Lecture: Applications of AI in Medical Imaging

Friday 22 September 2023 14:30 (45 minutes)

The success of Machine Learning has revolutionized the field of medical image analysis in the past 5 years. This talk will give an introduction to relevant concepts in machine learning with a focus on computer vision. Subsequently, several example applications in the biomedical domain will be discussed to study the current state of research and the associated challenges and opportunities. We will end the package with a hands on tutorial in which we go step by step through using nnU-Net from training to visualization of the resulting 3D-segementation maps.

Presenter: KLEIN, Lukas (Helmholtz Imaging, DKFZ)

Session Classification: Course Package 7 (Helmholtz Imaging)