



Ilse van Bruggen

Ilse van Bruggen, MSc is a technical physician and she has a special interest in automation in radiotherapy treatment planning. She successfully implemented machine learning IMPT planning for oropharyngeal cancer patients in the beginning of 2023. Machine learning planning reduces planning time from two full days to two hours. This efficiency increase is highly needed in a always busy clinical practice with shortage in experienced dosimetrists. Implementation of machine learning planning will follow in more indications, both for VMAT and IMPT. The experiences, results and learnings of the implementation of AI techniques will be collected and published in a PhD thesis with the title: Automated photon and proton treatment planning strategies.