



**Dirk Wagenaar**

Dirk Wagenaar is a medical physicist in the proton therapy center in Groningen, the Netherlands since 2018. He finished his PhD thesis in 2022 on "Advanced treatment planning: robust optimization and proton RBE". As such, his clinical expertise is in proton RBE variations and treatment planning techniques. He is actively involved in the training of medical physicists and is currently the deputy medical physics residency program director. Other professional interests include dose accumulation, pseudo-CT generation, using machine learning, and plan QA automation through python scripting.