



Hans Paul van der Laan

Hans Paul van der Laan has over 28 years of experience working in various positions in radiation therapy at the University Medical Center in Groningen. Starting as a radiation technologist, he later became a treatment planning specialist and developed innovative ideas to improve radiotherapy techniques. To pursue his research interests, he earned an MSc in Radiation Oncology, which later led to his PhD in Medical Sciences in 2010.

Since then, Hans Paul has been actively involved in various research projects related to photon and proton radiotherapy, with a focus on improving treatment for head and neck cancer. He has co-authored over 40 publications in influential international journals and delivered over 20 oral presentations at international conferences. In 2015, he earned an MSc in epidemiology and worked on the CITOR project aimed at developing NTCP models for head and neck radiotherapy.

Currently, Hans Paul is focused on developing a fully automated model-based method for treatment plan optimization, which incorporates patient baseline characteristics and NTCP models to minimize the impact of treatment on patients' quality of life.