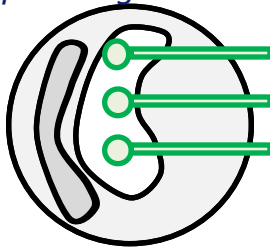


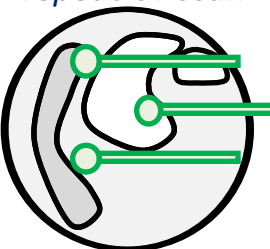
An Automated Planning Strategy for Near Real-Time Adaptive Proton Therapy by *Thyrza Jagt*

The problem

Prior plan on planning CT-scan

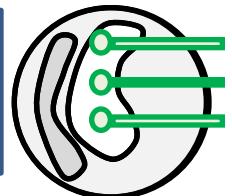


Prior plan on repeat CT-scan

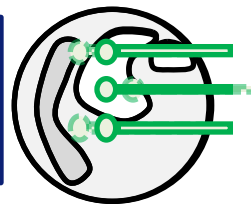


The solution

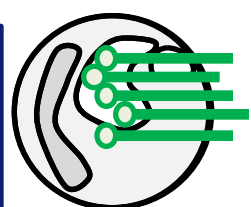
Prior plan on planning CT-scan (input)



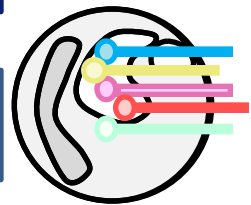
Spot-location restoration on repeat CT-scan



Addition of new spots & spot-weight optimization



RPM adapted plan (output)



The results

