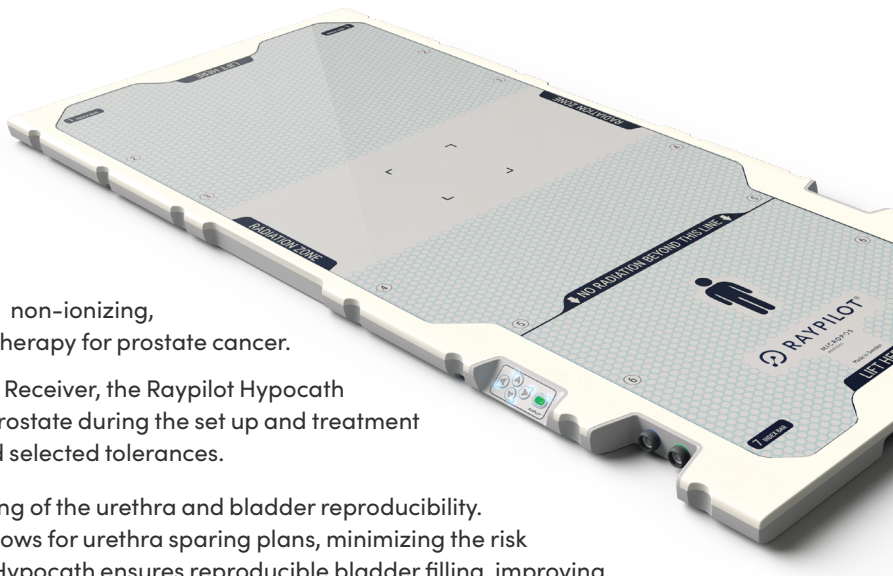


Raypilot® System

The Raypilot System is a system that works to enable non-ionizing, objective and real-time tumor tracking in radiation therapy for prostate cancer.

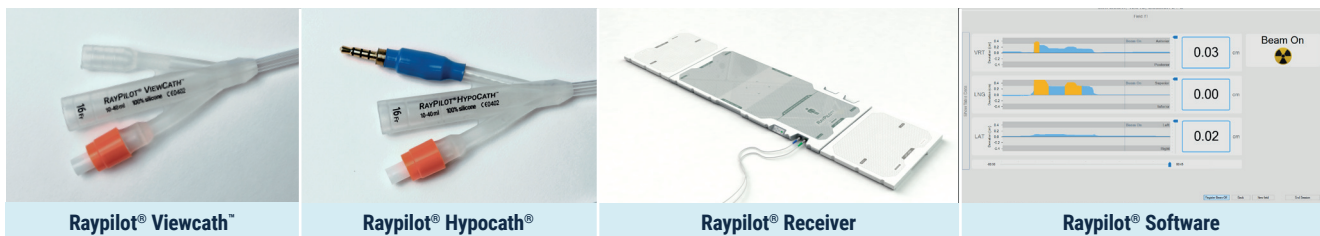
The system consists of three main parts; the Raypilot Receiver, the Raypilot Hypocath and the Raypilot Software. Together they track the prostate during the set up and treatment and give notice if the target exceeds the pre-defined selected tolerances.

The Raypilot System enables the possibility of outlining of the urethra and bladder reproducibility. Outlining of the urethra means better control and allows for urethra sparing plans, minimizing the risk of harm to surrounding healthy tissue. The Raypilot Hypocath ensures reproducible bladder filling, improving the patient setup due to the conformance of the anatomy between treatment and planning.



Technical specifications

Raypilot Receiver dimensions	Height	Width	Length	Weight
Raypilot Receiver	30 mm	520 mm	1100 mm	10 kg
Raypilot extension plates (2)	30 mm	520 mm	415 mm	2.7 kg
Catheter dimensions	Length	Width	Type of tip	Ballonsize
Raypilot Hypocath (for treatment)	42 cm	16Fr	Dufour Tip	10–40 ml
Raypilot Viewcath (for planning)	42 cm	16Fr	Dufour Tip	10–40 ml
Position update performance	Update frequency		Latency	
	30 times/s		<50 ms	
Measurement volume*	Measurement volume		Measurement height	
*Delivered calibrated according to this measurement volume.	120 x 120 x 120 mm		~ 60–180 mm	
Measurement precision	Radial error	Pitch	Yaw	
	P95 <2 mm	+/- 40 degrees: +/- 5 %	+/- 40 degrees: +/- 5 %	



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