RAYPILOT®

If we don't have the possibility to control where the prostate is, we need to have larger margins, so higher doses to the rectum and bladder. By doing an intrafraction control, we can reduce the margins, thus reducing the toxicity rates.

Dr. Berardino de Bari, RHNe: Réseau hospitalier neuchâtelois, La Chaux-de-Fonds, Switzerland

RAYPILOT® SYSTEM

Intrafraction motion management for prostate cancer

Unique solution gives you all of these benefits in one

- Real time motion monitoring
- Reproducibllity of bladder filling
- Outlining of the urethra

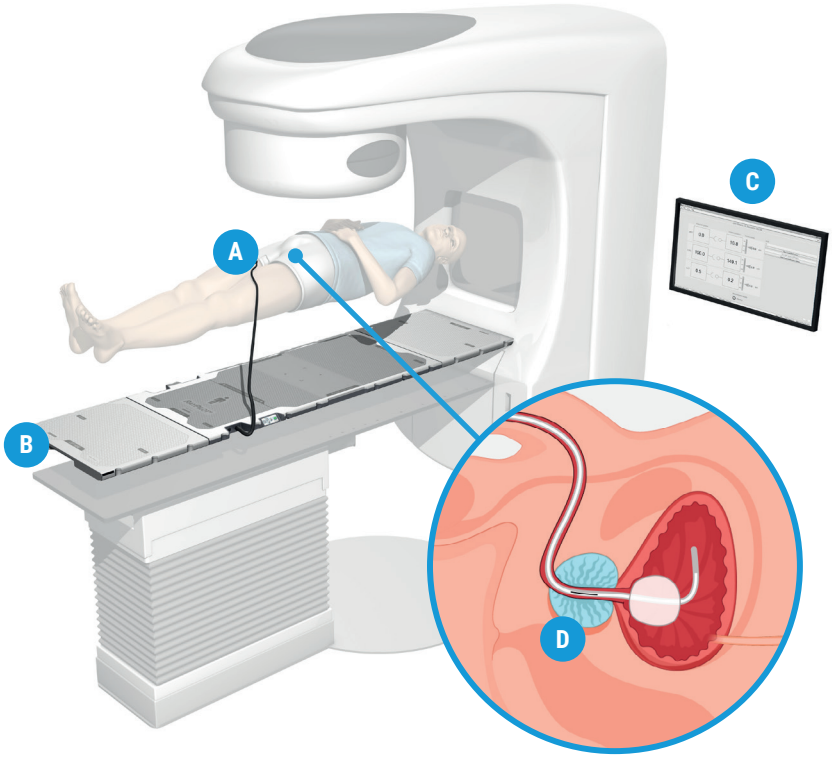
Raypilot Hypocath enables us to keep track of prostate motion during SBRT treatments where the precise dose to the target and strict tolerance to the surrounding organs is paramount.

Prof. Stefano Arcangeli, AIRO Uro-oncologic Group Coordinator, Head of Radiation Oncology at Fondazione IRCCS San Gerardo dei Tintori

Raypilot® System in the treatment room

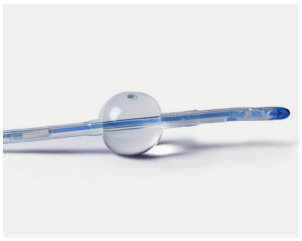
A normal configuration of the Raypilot System in the treatment room. The system is portable and user friendly. It fits well into your standard workflow. You can control the software both from the treatment room and the control room.

- **A** Raypilot Hypocath
- **B** Raypilot Receiver
- **C** Raypilot Software
- **D** The transmitter in Raypilot Hypocath



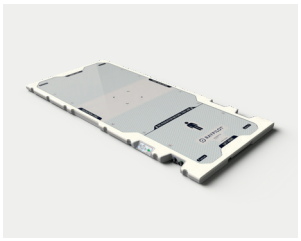
Raypilot® Hypocath®

The Raypilot Hypocath is a temporary urinary catheter with an integrated transmitter. It continuously shows the exact real-time location of the prostate in 3D and outlines the urethra.



Raypilot® Viewcath™

The Raypilot Viewcath resembles a Raypilot Hypocath but instead of the transmitter it contains a radiopaque marker. It is used in treatment planning, ensuring a safe and effective treatment. It is MR-compatible.



Raypilot® Receiver

The Raypilot Receiver is placed directly on any linac table and fixed with standard index bars. The antennas recognize the signals sent from the Raypilot Hypocath 30 times/second.

Raypilot® Software

The Raypilot Software interprets the data and presents the localization in 3D and in real-time with sub-millimetre accuracy. The target motion is displayed in lateral, longitudinal and vertical directions.

The Raypilot® System is currently in clinical use or under installation in a growing number of clinics across the EU and the US

Sweden, Finland, Great Britain, Germany, Italy, Switzerland, Austria, Belarus, Spain, Greece, and the United States

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