



ALEXANDRE PELTIER

Department of Urology

Rank Head of Clinic

Position Associate Service Director

Location Jules Bordet Institute

Languages French | English

[Request an appointment →](#)

“Together with our team, I remain committed to providing comprehensive, cutting-edge, and compassionate care for patients with prostate cancer.”

— Prof. Dr. A. Peltier

Cancers treated

Prostate

Areas of expertise

Robotic surgery
Brachytherapy
Focal therapy
Transperineal prostate biopsy using
image fusion

Titles and certifications

Lecturer / ULB
Secretary of the Master's Examination
Board / ULB
Director, Founder & Treasurer /
Belgium Genito-Urinary School
Board Member / Belgian Association of
Urology

Biography

After graduating in Medicine from the Université Libre de Bruxelles (ULB), I completed my specialization in urology under Prof. Dr. Claude Schulman at Erasme Hospital, followed by further training with Prof. Dr. Roland Van Velthoven at the Institut Jules Bordet. I later enhanced my education under Prof. Dr. Patrick Walsh at Johns Hopkins Hospital in Baltimore (Maryland, USA), a pioneer in modern prostate cancer surgery and known for describing the anatomical radical prostatectomy via mini-laparotomy.

Early in my career, I focused on the development of minimally invasive prostate surgery, with particular attention to preserving erectile and urinary function. My path evolved from mini-laparotomy to laparoscopic surgery, then robotic surgery, and later to organ-preserving treatments such as brachytherapy, cryotherapy, and MRI-guided (ultra)focal therapies. Alongside my clinical work, I have held teaching roles at the Faculty of Medicine.

At the institutional level, I have served on various Faculty, Administrative, and Medical Boards at ULB and the Institut Jules Bordet, and have been actively involved in professional organizations, including the Belgian Association of Urology, which I chaired. After succeeding Prof. Dr. Van Velthoven as Head of the Urology Department at the Institut Jules Bordet, I contributed to the creation of the integrated Urology Service of the Brussels University Hospital (H.U.B.) and the Willy Grégoir Prostate Cancer Center — a dedicated center for prostate cancer care.

Together with our team, I remain committed to providing comprehensive, cutting-edge, and compassionate care for patients with prostate cancer.

Research topics

MRI-targeted prostate biopsy
(Ultra)focal therapy for prostate cancer

Publications

[Link to PubMed® →](#)