Reconstructive urology and neurourology.

Clinical expertise and research. Closely interlinked.

While reconstructive urology is dedicated to the treatment of anomalies and the consequences of accidents or preliminary surgeries, neurourology‘s goal is restoring the function of the urinary bladder in cases of various problems. By using modern surgical procedures that are sometimes very elaborate, scarred constrictions of the urinary passages (strictures) or fistulae (for example, between the urinary bladder and the bowel) can be treated in an effective and long-term manner. The spectrum of reconstructive urology ranges from buccal mucosa graft urethroplasty to the functional muscle transfer on to the urinary bladder (LDDM surgeries for disorders of urination).

A great variety of band systems have been established for the treatment of urinary incontinence in both sexes during recent years. Long years of experience in prosthetic surgery – especially sacral neuromodulation, artificial sphincters or penis prosthetics – allows for therapy options in cases of pronounced symptoms.

Special areas are sex reassignment surgeries and care of patients with transverse injuries. A close interlinking of clinical expertise with research makes it possible to integrate results into the treatment as quickly as possible. The current emphasis of research in this area is the use of cultivated urothelium (tissue engineering) for urethra reconstruction and
the stem cell application for the therapy of the urinary stress incontinence.