

# EBU Certification Programme

## Urology department in Prague receives EBU approval



European Board of Urology



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**Founded in 1984, the urological department of the University Hospital Motol has enjoyed since 1996 the status of University Clinic at the 2nd Faculty of Medicine of Charles University in Prague.**

With more than 2,400 beds and over 80,000 admissions per year, Hospital Motol is considered the largest in Czech Republic and one of the biggest in central Europe. Associate Professor Ivan Kawaciuk led the department since its establishment until his retirement in 2009. Kawaciuk is succeeded by the author, with Prof. Ladislav Jarolim as deputy chairman. The medical staff is composed of 13 certified urologists, four residents and an internal medicine specialist. Five junior urologists have recently passed the European Board of Examinations and were accorded the FEBU title.

The department has 36 adult patient beds including a six-bed intensive care unit, four day care beds and around 3,700 admissions per year. Urology procedures are performed in two operating rooms.

With full-day surgical services, more than 1,600 patients are treated surgically every year. With our training goals, our centre focuses on patients for major urological procedures. For example, every year 50 cystectomies, 160 radical prostatectomies (open or laparoscopic), more than 120 kidney cancer procedures (mostly laparoscopic), and 10 retroperitoneal lymph node dissections in testis cancer, among other procedures, are performed.

At the outpatient department we annually treat 9,000 general urology patients (UTI, LUTS etc.), 9,500 patients with urinary stone disease, 13,000 oncological patients, 2,500 patients with andrological problems and erectile dysfunction, and 2,000 patients with functional urology diseases. The outpatient clinic has facilities to perform intravesical instillation, systemic chemotherapy, cystoscopies, prostate biopsies or urodynamics. We also collaborate with other departments in the hospital such as radiology, clinical oncology, spinal unit etc.

The department provides a full range urological practice except for kidney transplantations and ESWL. Paediatric urology is partially performed in cooperation with the hospital's department of paediatric surgery. Our main focus is on onco-urology. During the last three years teams were designated for each onco-urological sub-specialty, each concentrating on implementing new procedures, evaluation of results and research activities.

The bladder cancer team conducts research in non-invasive detection and prognostic factors, investigates new imaging methods (NBI, PDD) and the surgical treatment of locally advanced disease. The renal cancer team addresses new tissue and serum markers and the improvement of minimally-invasive treatment modalities. In 2010, the Centre for Research and Treatment of Prostate Cancer was founded with broad activities in radical surgery and basic and clinical research, including defining and using new prognostic markers and treatment modalities like immunotherapy.

For potential projects, tissue banking was initiated. Other activities include reconstructive urology, surgical operations for incontinence, BPH treatment,

treatment of urolithiasis including endoscopic surgery and metabolic counselling, treatment of congenital defects (in cooperation with paediatric urologists) and andrology. Another unique activity includes services and surgical procedures dealing with transsexualism. Over 300 operated cases (mostly male to female) where performed in the last 12 years.

The resident training programme was established based on the requirements of the Czech postgraduate education system. The teaching programme employs a systematic training in all urological subtopics, while at the same time providing an individualised approach in mentoring residents. In general, training is clinically oriented. Every resident has a personal written training programme, which specifies individual schedule and time periods spent on each subtopic. Currently, there are four residents in training.

### Urology Training in the Czech Republic

- takes five years; this includes four months in Surgery, two months in Internal medicine, one month in Gynaecology, two months in Intensive care and at least one month in Paediatric urology
- During the first year of the training period residents focus on General urology including ward rounds of operated patients and outpatient department.
- After one year residents start to rotate in the following sub-specialties: Onco-urology, Reconstructive urology, Female/functional and Neuro-urology, Paediatric urology, Endoscopy and laparoscopy, and Andrology.
- During particular sub-specialization courses, residents assist and perform surgery in the specific field, study and discuss relevant literature and clinical papers. Every sub-specialization is guided by one or two staff members, specialized in the relevant topic.

A personal tutor assigned to each resident-in-training is responsible for fulfilling all points in the teaching



The chairmen surrounded by the staff of the urological department

programme. Special attention is paid on the training of skills in urological interventions and surgery. Residents maintain an individual logbook with a given number of performed and assisted operations and invasive diagnostic procedures.

Residents participate in regular teaching rounds under the guidance of staff members, regular clinical conferences, pathology, radiology, oncology and other multidisciplinary conferences. The level of knowledge and achieved skills are evaluated every six months by the personal tutor and yearly by the head of the department. An important tool is the EBU In-Service Assessment.

Trainees participate in all available educational courses and seminars. Presentation skills are trained during monthly scientific meetings. Each resident is requested to prepare and present at least one lecture, every year, on a given topic. From the third residency year, residents start to present results of their research activities during the annual meeting of the national society and, if possible, in international meetings.

From their second year, residents are included in research groups and are obliged to write at least two articles in a peer-reviewed journal during their training. Due to the success of the training system, the efficient facilities and the range of academic activities in clinical work, basic research and publications, the urology department applied for EBU certification. The EBU certification, granted for a period of five years in October 2012, has led to the critical appraisal of our training programme.