

## **Clinical Electives – Surgery**

### **1. Minimally invasive techniques in urology: endourology and laparoscopy**

Department of Urology, (Grzegórzecka 18 str.)

*Programme attached*

4-8 april, max. 6 students

16-20 may, max. 6 students

faculty: Wojciech Habrat, MD, FEBU

Anna Katarzyna Czech, MD (coordinator, [anna.czech@gmail.com](mailto:anna.czech@gmail.com))

#### **Day 1 (6h) - Endourological diagnostic procedures and role of imaging in endourology**

(Cystoscopy, Prostate biopsy, Suprapubic Cystostomy, Percutaneous nephrostomy (PCN)

Imaging)

Seminars and Case Presentation (3h)

Outpatient Clinic Procedures (Cystoscopy, Prostate Biopsy, PCN) (3h)

#### **Day 2 (6h) - Endourology Part 1 - TURBT and TURP**

Seminars and Case Presentation (3h)

Operating Theatre (3h)

#### **Day 3 (6h) - Endourology Part 2 - Endourological Treatment of Urinary Stones - URSL, PCNL**

Seminars and Case Presentation (3h)

Operating Theatre (3h)

#### **Day 4 (6h) - Laparoscopy in Urology Part 1 - Kidney Surgery**

Seminars and Case Presentation (3h)

Operating Theatre (3h)

#### **Day 5 (6h) - Laparoscopy in Urology Part 2 - Prostate and Bladder Surgery**

Seminars and Case Presentation (3h)

Operating Theatre (3h)

**Due to operating room schedule sequence of days, seminars and operating room classes may be subject to change!**

**Maximum number of students: 6**

**Faculty:**

**Wojciech Habrat, MD, FEBU**

**Anna Katarzyna Czech, MD ([anna.czech@gmail.com](mailto:anna.czech@gmail.com))**

## **2. Traumatology**

2nd Department of Surgery, Department of Traumatology and Polytrauma (Kopernika 50 str.)

faculty: Piotr Łata, MD

Jarosław Brudnicki, MD, PhD

Piotr Guzik, MD, PhD (coordinator, [curse\\_feanor@gazeta.pl](mailto:curse_feanor@gazeta.pl))

### **Day I – General Principles**

Lectures-

1. Bone healing – general information
2. Bone healing – direct and indirect way of healing
3. Bone healing under absolute and relative stability
4. Soft tissue injuries – leading problems
5. Techniques of absolute stability – plating principles and evolution
6. Techniques of relative stability
7. AO classification

Bedside teaching -3 groups 5-6 persons each group -3 assistants – 2 h

Case presentations- 3 groups 5-6 persons each group -3 assistants – 1h

### **Day II – Upper extremity injuries**

Lectures-30-35 min

1. Proximal humerus fractures
2. Articular fractures of upper extremity (distal humerus, olecranon, distal radius)
3. Shaft fractures (humerus and forearm)
4. Hand injuries – fractures
5. Hand injuries – soft tissue injuries
6. Amputations and replantations on upper extremity

Bedside teaching -3 groups 5-6 persons each group -3 assistants – 2 h

Case presentations- 3 groups 5-6 persons each group -3 assistants – 1h

### **Day III – Lower extremity injuries**

Lectures-30-35 min

1. Proximal femur fractures
2. Fractures around knee (distal femur and proximal tibial plateau)
3. Tibia and femur shaft fractures
4. Pilon and ankle fractures
5. Fractures of the foot
6. Soft tissue injuries
7. Amputations of lower extremity

Bedside teaching -3 groups 5-6 persons each group -3 assistants – 2 h

Case presentations- 3 groups 5-6 persons each group -3 assistants – 1h

### **Day IV – Thorax, abdomen and pelvis fracture**

1. Thorax injuries: rib fractures, pneumothorax, haemothorax, tamponade
2. Abdomen injuries
3. Classification of pelvic ring injuries
4. Emergency treatment of pelvic ring injuries
5. Acetabular fractures

Bedside teaching -3 groups 5-6 persons each group -3 assistants – 2 h

Case presentations- 3 groups 5-6 persons each group -3 assistants – 1h

### **Day V – Polytrauma and complications**

1. Treatment of polytrauma patient – evolution of principles pt I
2. Treatment of polytrauma patient – evolution of principles pt II
3. Non and malunion – origin and principles of treatment
4. Infection of musculoskeletal system – diagnostics and principles of treatment

Bedside teaching -3 groups 5-6 persons each group -3 assistants – 2 h

Case presentations- 3 groups 5-6 persons each group -3 assistants – 1h

Discussion, problems, questions, end of course – 1 h

### 3. **Cardiosurgery**

Department of Cardiosurgery (Prądnicka 80 str.)

*Cardiosurgical procedures, operating theatre*

faculty: Roman Pfitzner, MD, PhD (coordinator, [roman.pfitzner@uj.edu.pl](mailto:roman.pfitzner@uj.edu.pl))

### 4. **General Surgery**

1st Department of Surgery (Kopernika 40 str.)

4-8 april, max. 10 students (2 groups of 5)

faculty: Antoni Szczepanik, MD, PhD (coordinator, [antoni.szczepanik@uj.edu.pl](mailto:antoni.szczepanik@uj.edu.pl))

Everyday practice:

1. 2nd Department of Surgery, Department of Traumatology and Polytrauma (Kopernika 50 str.)

*Acute abdomen, ultrasound, endoscopy, op theatre*

4-8 april, max. 3 students

16-20 may, max. 3 students

Faculty: Michał Natkaniec, MD ([michal.natkaniec@uj.edu.pl](mailto:michal.natkaniec@uj.edu.pl))