

SYLLABUS

<b>Subject:</b>	<i>Surgery 3</i>		
<b>Study Programme:</b>	<i>Dental Medicine</i>	<b>Study Period:</b>	<i>VII. term (winter)</i>
<b>Evaluation:</b>	<i>graduate</i>	<b>Subject Type:</b>	<i>compulsory</i>
<b>Content:</b>	<b>2 hours/week lectures, 2 hours/week practicals</b>		<i>Total 28</i>

Department: Department of Traumatology

<i>Week</i>	<i>Lectures</i>	<i>Practical Lessons</i>
1.	Fractures and dislocations of upper and lower extremities. Injuries of the head, neck soft tissues of the head, skull fractures.	Head and neck injuries. Soft tissue injuries of the head. Injuries of the neck and neck organs. Fractures of the skull, the management of depressed skull fractures. Injuries of the brain (concussion, contusion, DAI- diffuse axonal injury, intracranial haemorrhages). Diagnostic procedures, treatment and nursing for severe craniocerebral injured patients.
2.	Injuries of the brain and intracranial bleeding. Injuries of the backbone and the spinal cord.	Spinal, spinal cord and pelvic injuries. The mechanism and the classification of the spinal injuries. Diagnostic procedures and the therapy of the spinal injuries. Indications for the surgical therapy. The spinal cord injuries: mechanism, clinical symptoms and modalities of the treatment. Nursing for the paraplegic and quadriplegic patients. The pelvic fractures and the complications.
3.	Injuries of the chest and abdomen. War injuries and its peculiarities.	Abdominal and thoracic injuries. The etiology and the mechanism of the abdominal and thoracic injuries. Thoracic cage fractures, the pathophysiologic changes of the breathing functions and complications: the pneumothorax and haemothorax. The injuries of the intrathoracic organs. Diagnostic procedures and the treatment. Indications for the surgical therapy. The penetrating and blunt injuries of the abdomen and intraabdominal organs. Clinical symptoms, diagnostic procedures and the therapy. The management of the spleen and liver injuries.
4.	Surgery of the head and neck. Cervical cysts and fistulas.	Fractures and dislocations of upper and lower extremities. Fractures of the clavicle. Dislocations of the shoulder joint. Fractures of the shaft and proximal part of the humerus. Supracondylar fractures in children and adults. Dislocations of the elbow. Fractures of the forearm, wrist and hand. Fractures of the proximal third of the femur, supracondylar and shaft femur fractures. Soft tissue injuries of the knee. Fractures of the tibia, fibula and ankle. Fractures in the region of the foot. Clinical symptoms, diagnostic procedures and indications for the surgical and conservative treatment.
5.	Surgery of the thyroid gland. Toxic and non-toxic, goiter, thyroid cancer. Surgery of the Chest. Surgery of pleural, lungs, oesophagus.	Surgical anatomy of the neck. Cysta colli mediana. Cysta colli lateralis. Hygroma colli. Inflammation of soft tissues of the neck. Goiter- indications for operation, postoperative complications. Tumours of the thyroid gland and its surgical treatment. Diseases of parathyroid and its surgical treatment.

## SYLLABUS

---

6.	Surgery of mediastinum- inflammations and tumours. Hernia- its types.	Surgery of thorax- congenital deformities of chest wall, pneumothorax, haemothorax, pleural effusions, empyema. Tumours of pleura, tracheostomy. Mediastinitis, tumours of mediastinum. Oesophageal cancer, diverticula, functional disorders, gastrooesophageal reflux. Surgery of lungs- development anomalies, abscess, bronchiectasis, diffuse lesions of lungs. Benign lung tumours. Lung cancer, diagnosis, surgical therapy, lung metastases.
7.	Surgical diseases of the stomach and duodenum. Gastric ulcer, tumours of the stomach.	Hernia in childhood- umbilical hernia, inguinal hernia, congenital abdominal wall defects. Hernia in adults- umbilical hernia, incisional hernia, inguinal hernia, femoral hernia. Surgical disease of stomach and duodenum- gastroduodenal ulcer, benign tumours, gastric cancer.

8.1.2015

Prof. MUDr. Miroslav Kitka, PhD.  
Prednosta kliniky úrazovej chirurgie