

## **Pre- state exam practice absolved in surgical departments abroad**

Before state exam from surgery students of 6th year absolve **first 5 weeks** in selected clinics and departments abroad. Next 2 weeks students absolve training in University hospital Martin and subsequent **2 weeks** students have for individual learning at home with opportunity for oral consultations of state exam topics with teachers of surgical departments of UNM.

During the pre-state exam practise students work on the patients ward of those departments. Students collaborate with doctors on all diagnostic and therapeutic procedures. Students daily participate on morning indication seminars with doctors of those departments.

The aim of the practice is to gain practical knowledge for work as a primary care physician and also to verify the theoretical knowledge from the surgical field by solving different, especially acute problems at the surgical ambulance, patient ward, as well as on the ICU. They learn to competently access to diagnosis and differential diagnosis of acute abdomen event. Students also learn indications of surgical treatment as well as indications of invasive and non-invasive imaging and diagnostic techniques. They become familiar with the principles of asepsis and antisepsis, techniques and procedures of surgical treatment, preoperative preparation, postoperative care and with solutions of postoperative complications.

In the outpatient ambulance, students are familiar with investigative procedures and indications for admission of patients to the surgical treatment, with appropriate documentation and scope of interdisciplinary collaboration for the purposes of diagnosis and treatment in surgical outpatients.

At work on inpatient ward, students under the supervision of a medical expert acquainted with the principles of maintenance of documents in hospitalized patients, indication for preoperative examinations, preoperative and postoperative care in surgical patients.

Students under the guidance of a physician are focusing for changing the bandages of surgical wounds, catheterization of patients, introducing of nasogastric tube, application of intravenous medications and infusion. They cooperate in the administration of blood transfusion, correction of nutritional deficiencies and disorders of fluid and electrolyte balances, evaluate laboratory findings correlated with clinical status. They participate in drainage and puncture of body cavities, endoscopic examination, X-ray examinations, invasive and noninvasive procedures, cannulation of blood vessels necessary for parenteral nutrition and basic vital signs monitoring.

In the operating room are students adopting the principles of antisepsis and asepsis. They are assisting during routine operative procedures and anesthesia. They are acquainted with the principles of local and epidural anesthesia, premedication, as well as indications of endotracheal anesthesia, possible complications in relation to anesthesia.

At discharge of the patient, under the supervision of the attending physician, student writes a report to general practitioner, forms case history and administratively concludes the stay of the patient in the surgical ward.

Students with their proactive attitude are using the knowledge for clinical consultation of current problems. Students practice eight hours a day.

Conditions for granting the credit is 80% participation in pre- state practice and practical exam.

Practical exam consists of the patient examination, medical history writing and description of radiographs.