VMFM02 Surgery

18 credits (hp)  Level A

General information

Main area
Medicine

Subject
General surgery

Type of course
International course at the undergraduate level

Teaching language
English

Objectives

Knowledge and understanding
After completion of the course the student should be able to identify patients with conditions/problems related to certain defined clinical situations (see course content). For each of these specified clinical situations the student should be able to describe and explain:

- patient care
- how to examine the situation
- important differential diagnoses
- prevention and therapy
- pathophysiological mechanisms

Skills and abilities
The student should be able to perform:

- first aid
- CPR
- clear airways and to ventilate a patient
- a complete physical examination
- rectoscopy
- venous puncture
- intravenous, intramuscular and subcutaneous injections
- arterial puncture
- examination of circulatory system
- excision of minor skin tumours
- local anesthesia
- suture of skin wound
- to take a patient history and document in record as well as write a discharge note
- to follow instructions on hygiene at wards OR and ER
- placement of urinary catheter and pleura drainage in simulation
- interpretation of common X-rays

Furthermore the student should be able to evaluate scientific reports and base his or her actions on evidence-based medicine

**Judgement and approach**
The student need to be informed about ethical issues regarding care of surgical patients

**Course content**
The course is based on the following clinical situations:
- shock
- imbalance of electrolytes and fluids
- terminal care
- palpable tumors
- abdominal pain
- hematemesis
- nausea and vomiting
- bloody stools
- swollen abdomen
- pain on defecation
- anorexia
- weight loss
- altered defecation
- deranged liver function tests
- burn and cold injuries
- pigmented skin lesions
- trauma
- dysphagia

**Teaching and examination**
The course is based on problem-based learning, seminars and overview lectures. The students are assigned to different clinical sections. They will participate under guidance in OR, ER, endoscopy and out-patient clinic. The students are instructed to establish and complete a portfolio, that is part of the examination.

- Written examination
- Oral examination
- Portfolio
Grades
Passed or failed

Prerequisites
Studies corresponding to 3.5 years of the Swedish University, Medical Programme including courses in Internal medicine. Good knowledge of English.

Literature
According to specific information