

REQUIREMENTS

Semmelweis University, Faculty of Medicine Name of the managing institute (and any contributing institutes): Emergency Department Clinic for Anesthesiology and Intensive Medicine
Name of the subject: Sürgősségi orvostan és Oxyológia in English: Emergency Medicine and Oxyology in German: Notfallmedizin und Oxyologie Credit value: 2 Number of lessons: 35 lecture: 14 practical course: 21 seminar:0 Subject type: <u>compulsory course</u> elective course optional course
Academic year: 2021/22
Subject code: AOKANE693_1A, AOKANE693_1N, AOKANE693_1M <i>(In case of a new subject, it is filled by the Dean's Office, after approval)</i>
Name of the course leader: Dr. Csaba Varga His/her workplace, phone number: 06-20-6662060 Position: associate prof., Clinic director Date and registration number of their habilitation:
Objectives of the subject, its place in the medical curriculum: Emergency Medicine involves prehospital and hospital emergency care. Goal of the Subject is to show the students the special aspects of Emergency medicine. The basic skill of emergency medicine is how to recognize critical states of the patient. During the practices we show the students the quick look approach and let them practice it. Not to harm the patient we should use the Symptom Groups related to the main complain and the red flags to the group.
Place where the subject is taught (address of the auditorium, seminar room, etc.): SE Clinical Center Emergency Department SE Clinical Center Seminar rooms Ground level. 1085. Budapest Üllői út 78/A.
Successful completion of the subject results in the acquisition of the following competencies: <ul style="list-style-type: none">• Recognition of critical situations• Communication – SBAR skills• Recognition of critical ill patients• Use of the Symptom groups<ul style="list-style-type: none">○ Consciousness level problem○ Seizures○ Syncope○ Shock○ Chest pain○ Dyspnoe○ Anaphylaxis○ Intoxiations• Basic assessment• Diagnostic plan• Basics of stabilization

Course prerequisites:

Anatomy, Physiology, Pathology, Microbiology, Pharmacology, Translation Medicine, Laboratory Medicine, EKG Subject,

Number of students required for the course (minimum, maximum) and method of selecting students:

With Neptun system

How to apply for the course:

With Neptun System

Detailed curriculum:

(Theoretical and practical lessons shall be given separately by numbering the lessons (by weeks). Please provide the names of the teachers of the lectures and practical lessons and indicate guest lecturers. Do not use attachments!

Always attach a CV for guest lecturers!)

The subject is taught in the Block form. During the 2 weeks all students will spend 5 days at the Emergency Department. On the day before the Exam we offer a consultation practice for all students. The Exam is for the 2nd week planned.

Schedule:

On the first Monday in the morning we will start with lectures and in the afternoon, we will start already with the practices. On the practices is the number of participants regulated, it means that all groups will be switched in subgroups. The maximum number students for each practice is 8 persons.

Lectures:

1. Emergency medicine
 - a) Definition, Basics
 - b) Form und Function
2. Risk management
3. Communication basics (SBAR)
4. Pearls of emergency medicine – Groups off symptoms
 - a) Shock
 - b) AMS – neurologic deficits
 - c) Dyspnoe – SOB
 - d) Headache
 - e) Chest pain
 - f) Abdominal pain
 - g) LBP
 - h) Extremity pain

EMS module /Lectures/: is organized from National Ambulance Services

Prehospital emergency specialties

- i) Scene
- j) Safety
- k) Communication
- l) Triage in specially circumstances

Practice:

All materials are uploaded into the moodle system.

SBAR communication is part of all practices, but there isn't planned any signed practice for it.

The practiced are based on patient flow. It means the practiced are always adapted on the patient influx and the needs of the students.

Quick Look Module:

Goal of this part is that all students learn and practice how to recognize the critical ill patient only by quick look. What are the signs for critical illness (skin, breathing, mental state).

Group of symptoms and alerting conditions

The emergency medicine is using a special aspect, when we assess a patient. After the quick look we try to find a leading symptom or a main complain the we can put the patient in one of our Group of symptoms. After that we check always the red flags of the group trough. All Students will practice this special aspect during the practices.

1. Use of Group of symptoms
1. The Groups of symptoms
2. Red flags
3. Basic management
4. Diagnostic plans

Parameter

Basic vital signs will be collected always during examination. To interpret this data all student should have the knowledge of measurement technologies and the problems caused by measurement:

5. Basic modalities (NIBP, P, SpO₂, T)
6. Measurement technology
7. Inaccuracy of measurement
8. Normal values

EMS Practice

Is organized from National Ambulance Service:

9. Dispatch
10. ALS and BLS units
11. Extrications
12. Special circumstances
13. Work on the scene

Other subjects concerning the border issues of the given subject (both compulsory and optional courses!). Possible overlaps of themes:

Metabolic disorders – Intensive therapy , Internal Medicine
Abdominal pain symptom group– Surgery, Gynecology, Obstetrics, Urology,
Stroke – Neurology
Severly injured, Burns, Compartment syndrome – Intensive Therapy, Trauma surgery, Orthopedic surgery,
Sepsis – Intensive Therapy
Syncope, ACS, Chest pain – Cardiology, Heart surgery, Vascular surgery, Cardiothoracic surgery
Toxicology – Internal medicine
AMS – Neurology, Psychiatry
Other: Ophthalmology, ENT, Dermatology, Allergology, etc,

Special study work required to successfully complete the course:

(E.g. field exercises, medical case analysis, test preparation, etc.)

Not needed

Requirements for participation in classes and the possibility to make up for absences:

The registration for the practices is managed with our online system based on the Neptun codes. Make up is possible with other Groups only.

Methods to assess knowledge acquisition during term time:

(E.g. homework, reports, mid-term test, end-term test, etc., the possibility of replacement and improvement of test results)

Continues assessment during practices

<p>Requirements for signature: Participate 75 % of the practices</p>
<p>Type of examination: Oral or written (test) exam based on the material of the lectures and practices.</p>
<p>Requirements of the examination: <i>(In case of a theoretical examination, please provide the topic list; in case of a practical exam, specify the topics and the method of the exam)</i></p> <p>All materials are in the moodle system. The exam is mainly practice based.</p>
<p>Method and type of evaluation: <i>(Method of calculating the final mark based on the theoretical and practical examination. How the mid-term test results are taken into account in the final mark.)</i></p> <p>Continues assessment during the practices</p>
<p>How to register for the examination?: Neptun System</p>
<p>Possibilities for exam retake: Retake with other groups</p>
<p>Printed, electronic and online notes, textbooks, guides and literature (URL address for online material) to aid the acquisition of the material: All materials are in Moodle System uploaded</p>
<p>Signature of the habilitated instructor (course leader) who announced the subject:</p>
<p>Signature of the Director of the Managing Institute:</p>
<p>Hand-in date:</p>

<p>Opinion of the competent committee(s):</p>
<p>Comments of the Dean's Office:</p>
<p>Dean's signature:</p>