



Oktatás, kutatás, gyógyítás: 250 éve
az egészség szolgálatában

SEMMELWEIS EGYETEM

ÁLTALÁNOS ORVOSTUDOMÁNYI KAR

Dékán

Dr. Kellermayer Miklós

Az Általános Orvostudományi Kar Tanácsának

2020/2021-es tanév
51/2021 (2021. augusztus 24-i) számú határozata

az Asklepios Campus Hamburgon 2021/2022. tanévtől bevezetni kívánt kötelezően választható
„Clinical Emergencies” című tárgy bevezetéséről

1. § Az ÁOK Kari Tanácsa az SzMSz I. KÖNYV I.1. RÉSZ III. fejezet 120. § (3) bekezdés be) pontjában kapott felhatalmazás alapján megtárgyalta és elektronikus szavazással, egyhangúlag 54 igen, 0 nem, 0 „a szavazás ülés nélkül nem dönthető el”, valamint 0 tartózkodás mellett elfogadta az Általános Orvostudományi Karon a „Clinical Emergencies” kötelezően választható tárgy 2021/2022-es tanévtől történő bevezetését, a melléklet szerinti követelményrendszerrel.
2. § Jelen határozat végrehajtásának határideje: aktuális szenátusi ülésig
3. § A határozat végrehajtásáért felelős: ÁOK dékán
4. § Jelen határozat 2021. augusztus 25. napján lép hatályba.

Budapest, 2021. augusztus 25.


Dr. Kellermayer Miklós
dékán



REQUIREMENTS

Semmelweis University, Faculty of Medicine Name of the managing institute (and any contributing institutes): Asklepios Campus Hamburg (ACH) of the Semmelweis University
Name of the subject: in English: Clinical Emergencies in German: Klinische Notfälle Credit value: 1 Number of lessons: 2 blocks, in total 14 x 45 min lecture: 4 x 45 min practical course: 10 x 45 min seminar: - Subject type: compulsory course <u>elective course</u> optional course
Academic year: 3, 4 and 5
Subject code: <i>(In case of a new subject, it is filled by the Dean's Office, after approval)</i>
Name of the course leader: Prof. Dr. Thoralf Kerner Dr. Oliver Haupt Vincent Duske
His/her workplace, phone number: Asklepios Klinikum Harburg, Eißendorfer Pferdeweg 52, 21075 Hamburg, Tel: +49 (0)40 181886-2501
Position: Chief Physician, MD, Anesthesiology, Intensive Care, Emergency Medicine, Pain Therapy
Date and registration number of their habilitation: Granting of licence to teach ("Lehrbefugnis") at 17.07.2003
Objectives of the subject, its place in the medical curriculum: The objective of this course is to deepen and strengthen the practical skills of students, to react appropriately, experienced and professionally to clinical emergency situations. Already in the 6 th year rotation students will be confronted with emergency cases, to which they have to react fast and confidently, maybe also alone in a night shift. Therefore, it is of utmost importance, to train students practically for these situations.
Place where the subject is taught (address of the auditorium, seminar room, etc.): Asklepios Campus Hamburg
Successful completion of the subject results in the acquisition of the following competencies: <ul style="list-style-type: none">• Competent and confident handling of the following emergency situations:<ul style="list-style-type: none">○ Myocardial infarction○ Cardiac arrhythmia, tachyarrhythmia absoluta (TAA)○ Asystole (-> Cardiopulmonary Resuscitation)○ Exacerbated chronic obstructive pulmonary disease (COPD) / Pneumonia○ Status asthmaticus

- (Opioid) intoxication
- Apoplexy
- Intracerebral hemorrhage
- Postoperative secondary hemorrhage
- Anaphylactic shock
- Foreign body aspiration (shortness of breath)

Course prerequisites:

- Completion of the pre-clinical phase, intended for students in their 5th to 10th semester.

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

Smallest number of participants: 5

Largest number of participants: 10

Method of selecting the participants: Students that applied for the course will be selected by a random number generator, if necessary

How to apply for the course:

- Online registration via O365 at a definite time

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!)

Block 1 (lecture, 4x 45 min): Theoretical introduction in clinical emergencies (Duske/Haupt)
Introduction into the most common clinical emergency situations including pathophysiology, diagnostics (both physical examination and apparative diagnostics) and therapy.
Explanation of clinical algorithms in emergency management.
Theoretical introduction to

Block 2 (practical course, 10x45 min): Case simulations of typical clinical emergencies I (Duske/Haupt)
Introduction into the simulation cases

Simulation case 1 (disoriented patient)
Possible differential diagnoses: hypo-/hyperglycemia, hyponatremia, postoperative delir, stroke

Simulation case 2 (Patient with trouble breathing)
Possible differential diagnoses: arterial embolism, ACS, psychosomatic pathological breathing, allergic reaction)

Simulation case 3 (Patient in shock)
Possible differential diagnoses: allergic reactions, cardiogenic shock, hypovolemic shock,

Simulation case 4 (Patient with acute pain)
Possible differential diagnoses: ruptured abdominal aortic aneurysm, bowel perforation, abdominal trauma, acute appendicitis

Simulation case 5 (cardiac arrhythmia / TAA).
Possible differential diagnoses: Cardiac arrhythmia, infarction, electrolyte imbalance, (medical/opioid) intoxication

Simulation case 6 (Exacerbated COPD)
Possible differential diagnoses: COPD, pneumonia, asthma, pneumothorax....

Simulation case 7 (Unconscious patient, intracerebral hemorrhage)
Possible differential diagnoses: Apoplexy, intoxication, intracranial pressure, meningitis....

Block 3: (practical course, 5x45 min): Case simulations of typical clinical emergencies II including practical exams (Duske/Haupt).

Similar cases as in Block 2 will be presented, the differential diagnosis will be varied.

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

- Emergency medicine

Special study work required to successfully complete the course:

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

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

- 75% attendance
- Missed classes will be made up for in self-study.

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)

- Oral contributions

Requirements for signature:

- 75% attendance
- Signed register

Type of examination:

- Practical exam

Requirements of the examination:

(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)

- In the practical exam the students will be presented with different clinical emergency cases, to which they have to react accordingly.

Method and type of evaluation:

(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.)

- 25% Oral contribution
- 75% practical exam

How to register for the examination?:

- 75 % attendance is sufficient as a basic requirement to be admitted to the exam

Possibilities for exam retake:

- 2 times

Printed, electronic and online notes, textbooks, guides and literature (URL address for online material) to aid the acquisition of the material:

Thomas Fleischmann, Fälle Klinische Notfallmedizin, Die 100 wichtigsten Diagnosen.
Elsevier/ Urban&Fischer

Marcus Frimmel, Klinische Notfälle griffbereit - Internistische Akutsituationen auf einen Blick.
Schattauer

Signature of the habilitated instructor (course leader) who announced the subject:


28.06.21

Signature of the Director of the Managing Institute:


ASKLEPIOS
Klinikum Harburg
Philipp Noack
Geschäftsführender Direktor
Eißendorfer Pferdeweg 52 · 21075 Hamburg
Tel.: (040) 1818-86 2253
Fax: (040) 1818-86 2127

Hand-in date: 28th of June, 2021

Opinion of the competent committee(s):

Comments of the Dean's Office:

Dean's signature: