

REQUIREMENTS

Semmelweis University, Faculty of Medicine Name of the managing institute (and any contributing institutes): Department of Traumatology
Name of the subject: Traumatology in English: Traumatology in German: Tramatologie Credit value: 3 Number of lessons per week: 44* lecture: 18* practical course: 74* seminar: Subject type: <u>compulsory course</u> elective course optional course *Groups are subdivided into further smaller groups, where more tutors will be teaching (the total maximal amount of teaching hours is about 104). The ratio between lectures and practices may also vary, depending on the institute's subspeciality.
Academic year: 2022-2023
Subject code: AOKTRA687_1A <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. Hangody László His/her workplace, phone number: Semmelweis University Traumatology Department Tel: 06 1 467 3851 Position: Head of department Date and registration number of their habilitation: May 24, 2003, 10/2003
Objectives of the subject, its place in the medical curriculum: Traumatology as a specialty deals with the treatment of injured patients, independent of the injured organ, patient's age or previous diseases. In developed countries, the 4-5th leading cause of death is injury, while in the actively working population, the rate of death is even higher. Morbidity in children and in the elderly is also high. Traumatology treatment for the most part deals with extremity surgery in correlation to orthopedics, however cranial, thoracal, abdominal, spinal and pelvic injuries as well as the treatment of polytraumatized patients also belong to the field of trauma care.
Place where the subject is taught (address of the auditorium, seminar room, etc.): <ul style="list-style-type: none">• Uzsoki Hospital, Department of Orthopedics-Traumatology, Conference room (ground floor) 1145 Budapest, Uzsoki street 29-41.• Dr. Manninger Jenő Traumatology Center, Conference room (8th floor) 1081 Budapest, Fiumei street 17.
Successful completion of the subject results in the acquisition of the following competencies: During practices, students will have the opportunity to learn the following: physical examination of injured patients, bandaging, suturing, casting techniques, and the uses of orthesises and splints. Students will have the opportunity to enter the operating theater, scrubbing, and become acquainted with special instruments used in Traumatology. Consultation of typical and the more frequent trauma cases, radiologic diagnostics, as well as

videos in the operative theater are also part of the curriculum. During on duty shifts, students will have an opportunity to examine and participate in the trauma care of patients under supervision.

Course prerequisites:

Pathology II., Basic Surgical Techniques

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

Minimum: 6

Maximum: 25

How to apply for the course:

Neptun

Detailed thematic of the course²:

Lectures

Traumatology lectures are available on Semmelweis University's E-learning portal (moodle)

1. General Traumatology. Soft tissue injuries. Thermal injuries. Wound management.
2. Fracture management. Bone healing
3. Immediate care and major accidents. (Multiple injuries, shock, major disasters)
4. Thoracic and abdominal trauma
5. Neurotrauma. Spinal, cranial and facial trauma.
6. Pelvic injuries. Femoral fractures (proximal femur and shaft)
7. Fractures of the tibia and fibula. Injuries of the ankle, talus, calcaneus and the foot
8. Knee Injuries. Cartilage repair, ligament surgeries
9. Injuries of the upper extremity
10. Hand injures
11. Pediatric trauma
12. Management of open fractures. Septic and non-septic complications in Traumatology.
13. Endoprosthetic replacement possibilities in Traumatology. Periprosthetic fractures and complications

Traumatology block schedule for 4th year medical students

	Day 1 - Monday	Day 2 - Tuesday	Day 3 - Wednesday	Day 4 - Thursday	Day 5 - Friday
08:30 - 09:15	Introduction to the Traumatology department	Cast splinting/Wound dressing	Free day	Femoral fractures	Injuries of hands / wrists / forearms
09:15 - 09:30	Break	Break		Break	Break
09:30 - 10:15	Assignment homework	Trauma implants		Knee fractures	Injuries of the upper extremity
10:15-10:30		Trauma radiographs demonstration			
10:30-11:45	Break	Break		Fractures of the tibia angle and the foot	Postoperative infections, septic complications
10:30-11:45	Polytrauma/scenario Chest/abdomin/pelvic trauma	Septic ward Trauma implants			
11:45-12:30	Lunch break	Lunch break		Lunch break	Lunch break
12:30-16:00 with 30 minutes break	ER	Arthroscopy, cartilage and ligament injuries of the knee		Operating theater 1-3	Operating theater 5-6
	Operating theater 1-3			Operating theater 5-6	Ward/OPD
	Operating theater 5-6			Ward/OPD	ER
	Ward/OPD			ER	Operating theater 1-3
	Day 6 - Monday	Day 7 - Tuesday		Day 8 - Wednesday	Day 9 - Thursday
08:30 - 09:15	Neurotrauma	Mini presentation	Free day	Exam/free day	Exam/free day
09:15 - 09:30	Break	Break			
09:30-10:15	Pediatric trauma	Mini presentation			
10:15-10:30	Break	Break			
10:30-11:45	Physical Th	Mini presentation/ Consultation			
	Bone healing/Wound healing				
11:45-12:30	Lunch break	Lunch break			
12:30-16:00 with 30 minutes break	Ward/OPD	Exam/free day			
	ER				
	Operating theater 1-3				
	Operating theater 5-6				

The Traumatology Department reserves the right to make changes to the order of practices depending on which institute the student attends the practice at.

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

Orthopedics, First aid, Sports Medicine, Neurotraumatology, Hand Surgery

Special study work required to successfully complete the course:

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

Not applicable

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

According to the SZMSZ 17§ 7. regulation of Semmelweis University, the attendance of minimum 75% of seminars and practices is necessary.

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)

Mini-presentation of a trauma topic to the tutor and group

Requirements for signature:

Attendance of consultations and practices or repeating of unattended practices and the written exam result is required. We cannot verify the semester, or allow the student to take the midterm if the student did not attend at least 75% of practices during the semester.

Only those students will be allowed to take the exam, who have presented their trauma topic to the group and tutor.

<p>Type of examination: Written MCQ electronic exam (single answer and multiple choice test), on Semmelweis University's E-learning portal (moodle)</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> The knowledge of the given textbook, electronic lecture and practice material.</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> Written electronic exam (single answer and multiple choice test). Percentage grading, not Bell curve</p>
<p>How to register for the examination?: Neptun program</p>
<p>Possibilities for exam retake: Retaking of the written electronic exam (single answer and multiple choice test), on Semmelweis University's E-learning portal (moodle) Students may take the exam a total of maximum 3 times.</p>
<p>Printed, electronic and online notes, textbooks, guides and literature (URL address for online material) to aid the acquisition of the material: <u>Name of Textbook:</u> The Trauma Manual: TRAUMA AND ACUTE CARE SURGERY Third edition Editors: Andrew B. Peitzman Michael Rhodes C. William Schwab Donald M. Yealy Timothy C. Fabian Publisher: Wolters Kluwer / Lippincott Williams & Wilkins <u>Internet</u> The lecture material can be downloaded from Semmelweis University's E-learning portal https://itc.semmelweis.hu/moodle/</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>