

REQUIREMENTS

Semmelweis University, Faculty of General Medicine – single, long-cycle medical training programme
Name of the host institution (and any contributing institutions)

Department of Traumatology

Name of the subject: Traumatology

in English: Traumatology

in German: Tramatologie

Credit value: 3

Semester: I-II.

(as defined in the curriculum)

Total number of classes per week: 44*	lectures: 24	practical lessons: 20	seminars: -
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**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.*

Type of subject: compulsory optional elective

(PLEASE UNDERLINE AS APPLICABLE)

Academic year: 2023/2024

Language of instruction, for optional or elective subjects: English

Course code: AOKTRA687_1A

(In the case of a new subject, this cell is filled in by the Dean's Office, following approval)

Course coordinator: Prof. Dr. Hangody László

Place of work, phone number:

Semmelweis University Traumatology Department

Tel: 06 1 467 3851

Position: Head of department

Date and number of habilitation: May 24, 2003, 10/2003

Objectives of the course and 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 of instruction (address of lecture hall or seminar room etc.):

- 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.

Competencies acquired through the completion of the course:

During practices, students will have the opportunity to learn the following: physical examination of injured patients, bandaging, suturing, casting techniques, and the uses of orthoses and splints. Students will have the opportunity to enter the operating theater, scrub in for operations, 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.

Prerequisites for course registration and completion:

Pathology II., Basic Surgical Techniques

Conditions for concurrent course registration and permission thereof in the case of a multi-semester subject:

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Student headcount conditions for starting the course (minimum, maximum) and method of student selection:

Since Traumatology is a compulsory subject, there is no minimum number of students.
Maximum number of students is 24 students/block

Detailed course description:

(Theoretical and practical instruction must be broken down into lessons (weeks), numbered separately. Please provide the names of lecturers in both types of lessons, indicating guest lecturers. This information is not to be attached separately. CVs of guest lecturers, however, must be attached.)

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

	1. day - Monday Uzsoki Hospital	2. day - Tuesday Uzsoki Hospital	3. day - Wednesday	4. day Thursday Uzsoki Hospital	5. day - Friday Dr. Manning Jenő Traumatology Center	6. day - Monday Dr. Manning Jenő Traumatology Center	7. day - Tuesday Dr. Manning Jenő Traumatology Center	8. day - Wednesday	9. day - Thursday Dr. Manning Jenő Traumatology Center	10. day - Friday Dr. Manning Jenő Traumatology Center
08:30 – 09:15	Introduction to the Traumatology Department, presentation assignment	Knee fractures	Break day	Injuries of the upper extremity	Polytrauma	Paediatric trauma	Assignment mini presentation	Break day	Exam day/Break	Exam day/Break
09:15 – 10:00	Traumatology implants	Cartilage and ligament injuries of the knee		Postoperative infections, septic complications	Polytrauma (incl. thoracic, abdomen and pelvic trauma)	Paediatric trauma	Assignment mini presentation			
Break 10:00 – 10:15	Break	Break		Break	Break	Break	Break			
10:15 – 11:00	Bone healing, fracture management	Fractures of the tibia, ankle and foot		Septic ward	Hand surgery	Neurosurgery	Assignment mini presentation			
11:00 – 11:45	Femoral fractures	Physical therapy		Arthroscopy	Radiology	Neurosurgery	Assignment mini presentation			
Lunch break 11:45 – 12:30	Lunch break	Lunch break		Lunch break	Lunch break	Lunch break	Lunch break			
Practices 12:30 - 16:00	Operating room	Ambulance/Ward		Cast splinting	Scenario, Physical therapy, Trauma ER/Shock room, Wound dressing	Trauma ER/Shock room, Wound dressing, Scenario, Physical therapy	Exam day/Break			
	Cast splinting	Operating room		Ambulance/Ward						
	Ambulance/Ward	Cast splinting		Operating room						

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

Related subjects due to interdisciplinary fields (both compulsory and elective) and potential overlaps between subjects:

Orthopedics, First aid, Sports Medicine, Neurotraumatology, Hand Surgery, Special aspects of the treatment of the multiple injured patients

Attendance requirements; conditions under which students can make up for absences and the method of absence justification:

Minimum attendance requirements: 4.5 days

Maximum allowed absences: 1 day/block

Make up of absences:

- Make up of absences can be done in a later block, but only within the semester. Students need to make up the same day they were absent in the original block (e.g. if the student was absent on a Friday of the first week, then make up of the absence is required on a Friday of the first week in a later block). The student can only take the semi-final exam after make up of the absence - at the earliest in that block that he/she made up in. Scheduling of make-up of absence and making an appointment for the postponed examination needs to be confirmed by e-mail through the Traumatology Department.
- If the absence were to occur in the last block of the first semester, then make-up of the absence can be done in the second semester, but the student needs to reapply for the course as “only exam” in the second semester. The earliest at which a student can take the exam is at the end of the block in which the student made-up the absence. Scheduling of absence make-up and appointment for the postponed examination needs to be confirmed by e-mail through the Traumatology Department.

- If the absence were to occur in the last block of the second semester, then make-up of the absence can be done in the first semester of the following year. In this case, the student needs to reapply for the course as “only exam” in the following year. The earliest at which a student can take the exam is at the end of the block in which the student made-up the absence. Scheduling of absence make-up and appointment for the postponed examination needs to be confirmed by e-mail through the Traumatology Department.
- In case of illness, maximum of 3 days of absence confirmed by medical certificates (outpatient visits, discharge papers) signed by doctors are accepted (except on the last day of the Traumatology block, where the student is required to present a mini topic – see below). Students absent for more than 3 days of the block will need to make up the entire block. (See above)

Form of assessment in the study period:

(including the number, topics and scheduling of oral and written tests, their share in the overall evaluation, make-up tests and improvement tests)

Within the short course of the Traumatology block, there will be no formal assessment of students. The interactive practices and seminars allow for evaluation of students’ knowledge of the subject.

Number and type of assignments for individual work and the deadline for submission:

At the beginning of the Traumatology block, students will receive a mini presentation trauma topic, which they will prepare for and present on the last day of the block (Tuesday morning of the second week) in front of their classmates and tutor. The presentation of the topic in front of their classmates and tutor is mandatory and required in order to obtain the teacher’s signature; the written completion of the topic is not enough.

Requirements to obtain the teacher’s signature:

Minimum attendance of the block seminars and practices according to the Traumatology Department as well as the presentation of the mini topic. Both are required as mentioned above.

Type of assessment (*comprehensive examination, end-term examination, term-grade, term-grade on a three-grade rating scale, coursework project, no examination*)

Semifinal exam, written MCQ electronic exam (single answer and multiple choice test), on Semmelweis University’s E-learning portal (Moodle) at the Traumatology department. 5 scale grading (1-5).

Registration for the examination: in Neptun program. Students can take three exams during the semester. In the case of an unsuccessful exam or Students wishes to revise, they can retake the exam after 12 hours.

Examination requirements:

(*list of examination topics, subject areas of tests / examinations, lists of mandatory parameters, figures, concepts and calculations, practical skills and the optional topics for exam-equivalent coursework projects, their criteria of completion and assessment*)

The knowledge of the given textbook, uploaded lecture material in Moodle and practice material.

Method and type of grading:

(*Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results of the end-of-term assessment. Possibilities of and conditions for offered grades.*)

Written MCQ electronic exam. 5 scale grading (1-5).

List of course books, textbooks, study aids and literature facilitating the acquisition of knowledge to complete the course and included in the assessment, precisely indicating which requirement each item is related to (e.g., topic by topic) as well as a list of important technical and other applicable study aids:

Name of Textbook:

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

Internet

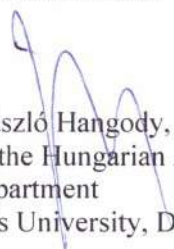
The lecture material can be downloaded from Semmelweis University's E-learning portal
<https://itc.semmelweis.hu/moodle/>

Signature of habilitated instructor (course coordinator) announcing the course:



Dr. Tamás Gál, M.D.
Assistant Lecturer
Course Coordinator for English language students
Semmelweis University, Department of Traumatology

Signature of the director of the host institution:



Prof. Dr. László Hangody, M.D., Ph.D., D.Sc.
Member of the Hungarian Academy of Sciences
Head of Department
Semmelweis University, Department of Traumatology

Date of submission:

2023 - 08 - 07