

Syllabus
Pathological Physiology 1
Winter Semester 2022/2023
Week 12

General Medicine

A. Lecture

1. Pathogenesis VII

Disorders of consciousness

- Classifications; quantitative & qualitative forms
- Coma and pre-comatose states – etiology, manifestations, staging, grading; neurol. evaluation;
- Coma - focal neural and diffuse brain damage (metabolic, intoxication); comparisons - neurological evaluation
- Post-comatose states

Terminal states

- Terminal states and illness – stages, forms; clinical, biologic death
- Brain death
- Vegetative state

B. Seminars according to schedules on department webpage (patfyz.medic.upjs.sk)

1. **T:** Disorders of consciousness
 - Evaluation of coma & brain death
2. **S:** Terminal states
 - Cardiopulmonary-cerebral resuscitation
 - Post-resuscitation disease; reperfusion sy.
3. Examination of knowledge (quiz, oral examination)
4. Presentations of the selected topics according to the group schedules

Dental Medicine

A. Lecture

1. Pathogenesis VII

Disorders of consciousness

- Classifications; quantitative & qualitative forms
- Coma and pre-comatose states
- Post-comatose states

Terminal states

- Terminal states and illness – stages, forms; clinical, biologic death
- Brain death
- Vegetative state

B. Seminars according to schedules on department webpage (patfyz.medic.upjs.sk)

1. **T:** Disorders of consciousness
 - Evaluation of coma & brain death
2. **S:** Terminal states
 - Cardiopulmonary-cerebral resuscitation
 - Post-resuscitation disease; reperfusion sy.
3. Examination of knowledge (quiz, oral examination)
4. Presentations of the selected topics according to the group schedules

Seminars (S) = special topics for discussion; **Tutorials & homeworks & exams (T)** = discussions, consultations, oral and quiz exams on the current topics.

Note: The range of topics and their time-table during the tutorials and seminars in each group is determined by the teacher and to a large extent, by the presentations, consultation interests, questions and readiness of the group and may vary in between groups. Neither tutorials nor seminars are lectures, but dialogue and discussion and thus require an active participation and preparation of students for the topics.

Recommended audiovisual materials

Disorders of consciousness

- An Approach to Syncope <https://www.youtube.com/watch?v=iJ6g5rsQKaM>
- WHAT IS SYNCOPE? Syncope Classification including Vasovagal Syncope | Causes of Syncope <https://www.youtube.com/watch?v=kFLnZPhFEy8>
- Coma <https://www.youtube.com/watch?v=GQ2Z9BB5wW8>
- GLASGOW COMA SCALE CREACTIVE PROJECT <https://www.youtube.com/watch?v=K-tmRwlww2c>
- Disorder of Consciousness & Cognitive Recovery <https://www.youtube.com/watch?v=ZWJUfSWYppM>
- LOCKED IN SYNDROME <https://www.youtube.com/watch?v=y-keNcCMo6Y>
- Coma, Vegetative State & Minimally Conscious State <https://www.youtube.com/watch?v=TfLAeCfj5ks>

Terminal states

- Clinical Death vs Biological Death <https://www.youtube.com/watch?v=euKtX4XNlgE>
- Animation Brain Death <https://www.youtube.com/watch?v=MJesAFM7pik>
- Brain Death Examination <https://www.youtube.com/watch?v=F8kD9VHqOxo>
- Palliative Care – Dying with Dignity https://www.youtube.com/watch?v=c_XOklotR3s
- Palliative Care – Symptom Management <https://www.youtube.com/watch?v=pVrpm0kDTTE>
- Conventional CPR Overview <https://www.youtube.com/watch?v=FqzjmX7gyWw>