**English Division, Faculty of Medicine, IVth year**

**Subject:**

|  |
| --- |
| **Anesthesiology and Intensive Therapy** |

|  |  |
| --- | --- |
| **Name of unit teaching course:** | **Chair and Department of Anaesthesiology and Intensive Therapy** |
| Address | **50-556 Wrocław, ul. Borowska 213** |
| Phone | **71 733 23 10** |
| E-mail | **kai@umed.wroc.pl** |

|  |  |
| --- | --- |
| **Person responsible for course:** | **Waldemar Goździk,** MD, Professor, Ph. D |
| Phone | **71 733 23 10** |
| E-mail | **waldemar.gozdzik@umw.edu.pl** |

|  |  |
| --- | --- |
| **Person responsible for subject organization:** | **Barbara Barteczko-Grajek, MD, Ph.D** |
| Phone | **71 733 23 10; 23 02, 23 20** |
| E-mail | **barbara.barteczko-grajek@umw.edu.pl** |

**Schedule:**

WEEK: I-IX

**Localization:**

**Chair and Department of Anaesthesiology and Intensive Therapy**

**50-556 Wrocław, ul. Borowska 213**

The classes were divided into two parts:

1. Theoretical part – theoretical introduction (Th)-- SEMINARY HALL (2nd floor, building B)
2. Clinical classes (CC): OIT AB, OIT CN, OR, OITD ( Intensive Care Unit -Medical, Cardio-Neurosurgery, Operating Room, Peadiatrics Intensive Care Unit)

According to the following scheme:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Week  | Time | Monday | Thusday | Wensday | Thursday |
| 13.00-14.30/14.45-16.45 | 12.45-14.15/14.30-16.30 | 12.45-14.15/14.30-16.30 | 12.30-14.00/14.15-16.15 |
| ED1 | ED3 | ED2 | ED4 | ED5 |
| I |  | CC/ Th1 | CC/ Th1 | Th1/CC | CC/ Th1 | CC/ Th1 | Th1/CC |
| II |  | - | - | CC | - | - | CC |
| III |  | - | CC | - | - | CC | - |
| IV |  | CC/Th2 | - | CC | CC/Th2 | - | CC |
| V |  | CC/Th3 | CC | - | CC/Th3 | CC | - |
| VI |  | CC/Th4 | CC/Th2 | Th2/CC | CC/Th4 | CC/Th2 | Th2/CC |
| VII |  | CC/Th5 | Th3/CC | CC/Th3 | CC/Th5 | Th3/CC | CC/Th3 |
| VIII |  | CC | Th4/CC | CC/Th4 | CC | Th4/CC | CC/Th4 |
| IX |  | CC | CC/Th5 | Th5/CC | CC | CC/Th5 | Th5/CC |

**Division into subgroups in Clinical Classes:**

According to the following scheme:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Group | Week | OIT AB | OIT CN | OR | OITD |
| ED1, ED2, ED3, ED4, ED5 | I |  | A | B | C | D |
| ED3, ED5 | II |  | B | A | D | C |
| ED1, ED4 | III |  | B | A | D | C |
| ED2 | IV |  | B | A | D | C |
| ED3, ED5 | C | D | A | B |
| ED2 | V |  | C | D | A | B |
| ED1, ED4 | C | D | A | B |
| ED1, ED2, ED3, ED4, ED5 | VI |  | D | C | B | A |
| ED1, ED2, ED3, ED4, ED5 | VII |  | A | B | C | D |
| ED1, ED2, ED3, ED4, ED5 | VIII |  | B | A | D | C |
| ED1, ED2, ED3, ED4, ED5 | IX |  | C | D | A | B |

**Zakład Symulacji Medycznej (CSM)**

**Ul. Chałubińskiego 7a, 50-368 Wrocław**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  Week  | Time | Monday13.00-16.45 | Thusday12.45-16.30 | Wensday12.45-16.30 | Thursday12.30-16.15 |
| I |  |  |  |  |  |
| II | CSM | Erasmus | ED1  | ED2 | ED4 |
| III | CSM | Erasmus | ED3 | ED2 | ED5 |
| IV | CSM |  | ED1 |  | ED4 |
| V | CSM |  | ED3 |  | ED5 |
| VI |  |  |  |  |  |
| VII |  |  |  |  |  |
| VIII |  |  |  |  |  |
| IX |  |  |  |  |  |

**Topics:**

**Simulation classes:**

Before starting the course at CSM, the student should be familiar with the current guidelines for CPR!!!

**Class I:**

**Low fidelity room (half group):**

Maintaining the airway patency - self-inflating bag ventilation, LMA, intubation.

ABCDE study, SAMPLE interview collection.

Learning to recognize heart rhythms in SC.

**High fidelity room (half group):**

Patient monitoring.

Defibrillator operation - AED, defibrillation, cardioversion, transcutaneous pacing.

Cardiac resuscitation with shockable rhythm.

**Class II:**

**Low fidelity room (half group):**

Intravenous access.

Lumbar puncture

**High fidelity room (half group):**

Cardiac resuscitation with a non-shockable rhythm.

Simulation of induction into general anesthesia.

Shock.

**Clinical classes:**

**OIT AB:**

1. Monitoring and documentation in the intensive care unit.
Treatment of unconscious patients. Acid-alkaline and water-electrolyte balance with interpretation of tests.
2. Treatment of respiratory failure, principles of oxygen therapy.
3. The rules of artificial nutrition. Principles of renal replacement therapy. Diagnosis and treatment of infections in the intensive care unit.

**OIT CN:**

1. Treatment of acute circulatory failure. Electrocardiotherapy: defibrillation, cardioversion, cardiac electric stimulation.
2. Intravenous fluid delivery: central venous puncture - equipment demonstration. Principles of pressure measurement by invasive method. Haemodynamic monitoring.
3. Shock. Craniocerebral injuries - pathophysiology, monitoring, scales and treatment.

**OR:**

1. Preparation of the patient for surgery in adults. Basic methods of general anesthesia. Regional anesthesia. Monitoring of the patient during surgery. Specialized anesthesia.
2. Postoperative analgesia in adults.

**OITD:**

1. Basics of intensive pediatric therapy. The specifics of pediatric anesthesia.
2. Postoperative analgesia in adults and children.

**Topics of the theoretical introduction:**

Theoretical explanation 1. Patient monitoring.

Theoretical explanation 2. Infections.

Theoretical explanation 3. Sepsis.

Theoretical explanation 4. Adult anesthesiology.

Theoretical explanation 5. Child anesthesiology.

**Lectures:**

**Schedule will be given according MC Teams platform.**