

RULES OF PEDIATRICS – CHILDHOOD DISEASES (ONCOHEMATOLOGY) COURSE
4 year of 6MD **Academic Year 2021/22**

Dear Students!

On behalf of Profesor Młynarski (Pediatrics Supervisor and Head of Dept.) it is a great pleasure for us to invite you to our Department of Pediatrics, Oncology and Hematology (Sporna St. 36/50).

- 1. Classes from Pediatrics – childhood diseases** (pediatric oncohematology) starts at 8:30 am. All classes will be conducted stationary at Konopnicka’s University Center of Pediatrics (36/50 Sporna St). Being late will not be tolerated and does not allow you to participate classes with unjustified absence.
- 2. You cannot have unjustified absence.** Your absence may be excused only on the basis of a medical certificate or by the dean's office. It is not possible to retake a clinical classes with other group because of pandemic situation.
- 3. Before the classes begin, the teacher has the right to:**
 - i. Conduct an epidemiological interview.
 - ii. Measure the temperature and assess whether the student has symptoms of infection.
 - iii. Assess the student's attire, including the fact whether the student has a mask.

The student who will not have all of the above-mentioned safety measures and will not meet the requirements for the lack of jewellery, short nails, nail polish, etc. will not be admitted to classes. It will result in an unjustified absence from classes.

4. First part of the day will be filled with seminars (12 hours):

Scope of seminars	Responsible person
How to interpret hematological values in childhood	tomasz.gorski@umed.lodz.pl
Pediatric solid tumors	malgorzata.stolarska@umed.lodz.pl
Anemias in childhood	filip.pierlejewski@umed.lodz.pl
Life-threatening conditions in pediatric oncology	joanna.trelinska@umed.lodz.pl
Clinical and laboratory evaluation of hemostatic disorders	szymon.janczar@umed.lodz.pl
Childhood leukemias	justyna.walenciak@umed.lodz.pl
Immune thrombocytopenia purpura (ITP)	justyna.walenciak@umed.lodz.pl
Rare diseases	joanna.madzio@umed.lodz.pl
Transfusion medicine	magdalena.wojdalska@umed.lodz.pl
Palliative care in pediatric hematooncology	aleksandra.korzeniewska-eksterowicz@umed.lodz.pl

5. After theoretical part there is a clinical practice (30 hours).

Approaching the classes student should have:

- i. a short-sleeved white coat (there are exceptions)
- ii. surgical mask (cotton or other masks are not allowed) - for moving around the hospital
- iii. a visor (in contact with the patient the student will have to put on a visor)
- iv. shoes easy to disinfect

The student cannot wear jewellery and watch. Short nails are required, no nail polish. Long hair should be tied up.

The number of students entering the ward (to see the patient) is determined by the teacher (not the entire clinical group at the same time).

Before every clinical classes there will be 5 questions entrance test from material that you should be prepared from – you can finally collect 25 pts from clinical part.

Scope of classes	Preliminary knowledge
Anemias, hemostasis and transfusion medicine	<ol style="list-style-type: none"> 1. Clinical manifestation and diagnostic approach to anemia in childhood (iron deficiency, anemia of chronic diseases, bone marrow failure syndromes, spherocytosis, immune hemolytic anemia) 2. Principles of hemostasis – physiology and diagnostic approach to hemorrhagic disorders 3. Blood groups and their identification. The rules for safety blood transfusion
Leukemias and lymphomas	<ol style="list-style-type: none"> 1. Symptoms of acute leukemias (especially acute lymphoblastic leukemia, acute promyelocytic leukemia, acute monoblastic leukemia, TAM syndrome) and lymphoid malignancies (ex. Hodgkin lymphoma) 2. First-step diagnostic procedures in leukemias and lymphomas 3. Genetic syndromes related to increased risk of developing leukemias or lymphomas
Solid tumors	<ol style="list-style-type: none"> 1. Symptoms of childhood solid tumors 2. Basic knowledge about the tumors of childhood tumors (neuroblastoma, rhabdomyosarcoma, nephroblastoma) 3. Common complications of oncological treatment (ATLS, PRES, hematological abnormalities)
Laboratory diagnostics in clinical hematology	<ol style="list-style-type: none"> 1. WHO 2016 classification of acute leukemias 2. Immunophenotypic pattern of bone marrow and peripheral blood cells 3. Investigation of acute leukemias - immunophenotyping by flow cytometry
Laboratory genetics in hematooncology and rare diseases	<ol style="list-style-type: none"> 1. Rare diseases – definition, OMIM database, examples of rare congenital disorders 2. Basic terms and methods in clinical and laboratory genetics 3. The most common genetic abnormalities in acute leukemias

6. Our Pediatric Course terminates with a test (25 questions, 45 minutes) proceeded after last clinical classes.

7. It is required to collect not less than 60% of points from each knowledge evaluation – it means that to pass the course you need to have not less than 15 points from entrance tests and not less than 15 points from final test – collectively 30 point from all activities. If you do not collect minimal points number you will be obligated to complete an oral or paper credit activity at the end of the semester.

8. The range of grades:

- < 30 points – 2,0 (unsatisfactory)
- 30 – 34 points – 3,0 (satisfactory)
- 35 – 39 points – 3,5 (more than satisfactory)
- 40 – 44 points – 4,0 (good)
- 45 – 47 points – 4,5 (more than good)
- 48 – 50 points – 5,0 (very good)

9. Obligatory books for Pediatric hematooncology studying:

Basics for Pediatrics: Illustrated Textbook of Paediatrics, Tom Lissauer, 5th ed. 2017
 Detailed knowledge: **Lanzowsky's Manual of Pediatric Hematology and Oncology 6th ed. 2016**

Link to classes materials: [Pediatric Oncohematology materials for 4/6 MD](#)

10. In case of infection

i. A student with symptoms of infection (increased temperature, cough, runny nose, sore throat etc.) is prohibited from entering the hospital and participating in clinical classes. At the

same time, they are obliged to report this fact by phone, through the group representative or by e-mail to the teacher / course coordinator.

ii. In the case of symptoms of infection that appear during classes, the student immediately reports this fact to the teacher, and then a smear is taken from the student (in hospital conditions) and the student is sent to the place of residence or isolation. Further proceedings, depending on the results of the test are carried out on general terms, according to the Regulation of 01/09/2020 on infectious diseases causing the obligation of hospitalization.

iii. Admission to classes by the student who has been infected with SARS-CoV-2 or has been in quarantine must comply with the currently applicable law (Item 1505 Regulation of the Council of Ministers of September 1, 2020 amending the Regulation on establishing certain restrictions, orders and bans in connection with the epidemic).