

# Schedule

## 6th YEAR ENGLISH DIVISION year 2023/2024

For epidemiological reasons, shoes must be changed during all classes held at the Department of Neonatology and Intensive Care Unit, students are obliged to wear scrubs (short-sleeved shirt + pants; intended only for participation in classes held at the Department of Neonatology). It is unacceptable to wear jewelry and watches on your hands. Nails should be trimmed short and unpolished, and long hair should be tied up.

Students who experience disturbing symptoms suggesting an infectious disease should not participate in classes. If there are health contraindications to participating in classes, they must be reported to the head of the teaching unit (or a person designated by him) before the start of teaching classes.

### Detailed program of pediatrics classes at the Department of Neonatology and Neonatal Intensive Care

*Pediatrics classes will be held at the Department of Neonatology and Neonatal Intensive Therapy, University Clinical Hospital of Bialystok, on dates consistent with the study schedule, details of exercises below.*

#### Class 1.

<b>8.00 – 9.30</b>	Medical history and physical examination of a full-term newborn, analysis of the results of laboratory and imaging results, conducting differential diagnosis and proposing treatment.
<b>9.30 - 09.55</b>	<b>Short test</b>
<b>9.55 – 12.10</b>	Discussion of the following problems, taking into account environmental and epidemiological conditions, deviations in physical and physical examination, analysis of laboratory and imaging tests results, differential diagnosis and therapeutic management: <ul style="list-style-type: none"><li>- newborn of mother with diabetes, thyroid dysfunction, systemic lupus erythematosus</li><li>- maternal drugs affecting the fetus and newborn infant (smoking, alcohol or drug abuse)</li><li>- newborn with neonatal and congenital infection (bacterial, viral and fungal)</li><li>- intrauterine growth restriction</li><li>- neonatal seizures</li><li>- newborn with craniofacial and gastrointestinal disorders</li></ul>

#### Class 2.

<b>8.00 – 9.30</b>	Medical history and physical examination of a preterm newborn, analysis of the results of laboratory and imaging tests, conducting differential diagnosis and proposing treatment.
<b>9.30 - 09.50</b>	<b>Short test</b>
<b>9.50 – 12.05</b>	Discussion of the following problems, taking into account environmental and epidemiological conditions, deviations in physical and physical examination, analysis of laboratory and imaging tests results, differential diagnosis and therapeutic management: <ul style="list-style-type: none"><li>- a theoretical and practical overview of the management of a newborn born in asphyxia, including resuscitation</li><li>- preterm infants and their complications</li><li>- newborn with respiratory disorders</li></ul>

## Solving Practical Clinical Problems

lek. K. Szwarc	The most common problems in the neonatal period after discharge from the hospital (lactose intolerance, infantile colic, gastroesophageal reflux). Caring for a premature newborn discharged home.
dr B. Juchnicka	Neonatal jaundice.
lek. K. Szwarc	The most common lactation problems.
dr B. Juchnicka	Neonatal hypoglycemia.

## Books necessary to obtain basic knowledge of the subject:

<b>Tom Lissauer and Will Carroll, Illustrated Textbook of Paediatrics, 5th Ed. Elsevier 2017.</b>		
Class 1.	Chapter 10. Chapter 11.	Perinatal medicine: Size at birth Perinatal medicine: Diabetes mellitus Perinatal medicine: Congenital infections Neonatal medicine: Infection
Class 2.	Chapter 10. Chapter 11.	Perinatal medicine: Neonatal resuscitation Neonatal medicine: Respiratory distress in term infants; The preterm infant: Respiratory distress syndrome, Pneumothorax, Apnoea and bradycardia and desaturation
SPCP	The most common problems in the neonatal period after discharge from the hospital (lactose intolerance, infantile colic, gastroesophageal reflux). Caring for a premature newborn discharged home.	
	Chapter 11. Chapter 14.	Neonatal medicine. The preterm infant Gastroenterology: Vomiting
SPCP	Neonatal hypoglycemia.	
	Chapter 10. Chapter 11.	Perinatal medicine: Diabetes mellitus Neonatal medicine: Hypoglycaemia
SPCP	The most common lactation problems.	
	Chapter 13.	Nutrition: Infant feeding: Breastfeeding
SPCP	Neonatal jaundice	
	Chapter 11.	Neonatal medicine: Jaundice

## *During the classes, students gain practical skills in the field of:*

<ul style="list-style-type: none"> <li>– conducting a medical interview with the mother of a newborn baby,</li> <li>– conducting a physical examination of the newborn,</li> <li>– assessment of the general condition of the newborn,</li> <li>– assessment of the newborn's condition according to the Apgar scale, its maturity and examination of neonatal reflexes,</li> <li>– comparing anthropometric measurements of a newborn with data on percentile charts,</li> <li>– conducting differential diagnosis of the most common diseases of newborns,</li> <li>– assessment and description of the somatic condition of the newborn</li> <li>– recognizing the state of immediate threat to the life of the newborn</li> <li>– planning diagnostic, therapeutic and prophylactic procedures in neonatal pathologies,</li> </ul>
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- interpreting the results of laboratory tests of newborns and identifying the causes of deviations from the norm

**The condition for passing the neonatology is:**

1. Presence at all classes, including e-learning (classes, lectures). Excused absences from classes and seminars require making up for classes with another group (or in a different way determined by the Head of the Unit or a person designated by him) no later than by the end of the semester.
2. Completing short tests (2 days x 3 points = 6 points). Scoring at least **4/6 points**

**CAUTION:**

It is not possible to make up for classes in the case of unexcused absences.

During the exercises, students should complete practical procedures in line with the subject of the exercises and obtain an entry in the skill diary.

Consultations at the Department of Neonatology and Neonatal Intensive Care are held every 1<sup>st</sup> Monday of the month from 14.00-15.00.

**Entry in the examination card upon completion of the sixth year: prof. dr hab. Artur Bossowski**