

**ODESSA NATIONAL MEDICAL UNIVERSITY**

MINISTRY OF HEALTH OF UKRAINE

ODESSA NATIONAL MEDICAL UNIVERSITY

Faculty: medical

(faculty name)

Department of pediatrics №1

(name of department)



APPROVE

Acting pro-rector for scientific and educational work

Svitlana KOTIUZHYNKA

" 01 " 09 2022

**METHODICAL RECOMMENDATION OF THE SEMINAR LESSON  
FROM THE SELECTIVE EDUCATIONAL DISCIPLINE**

Faculty medical, course 6 \_\_\_\_\_

Academic discipline, selective: "Practical issues of children's cardiology"

Seminar session №7.

Topic: Hypertension in children

Approve:

Meeting of the Department of Pediatrics №1 \_\_\_\_\_

Odessa national medical university

Protocol № 1 of " 29 " 08 2022 y .

Head of the department \_\_\_\_\_ (Mykola ARYAYEV)

(signature)

(name, surname)

Developers:

*(indicate surnames, scientific degrees, scientific titles and positions of developers; everyone who teaches the specified academic discipline must be among the developers)*

Developers:

Prof. Mykola ARYAYEV as. of prof. PhD Victor BIRYUKOV. as. Mykhailo STRELTSOV

*Note.*In the case of publication of methodological developments as an independent printed work, the academic council of the faculty provides a recommendation for publication in the presence of two reviews, one of which is external — from a reviewer of another institution of higher education

**Seminar session No. 6**

**Topic:** Heart rhythm disorders in children.

**Purpose:** To deepen knowledge and master skills the diagnosis and differential diagnosis of heart rhythm disorders in children, obtained in the course of studying the subject; promoting the development the creative thinking. The ability to logically express and argue one's thoughts, listen to each other and criticize productively.

**Basic concepts:** Violation of heart rhythm. Arrhythmias. Wolff - Parkinson – White’s syndrome.

**Equipment:** PAT auscultation simulator.

**Study time:** 2 hours.

### **Plan**

**I. Organizational measures** (greetings, checking those present, announcing the topic, purpose of the lesson, motivating applicants to study the topic).

**II. Control of basic knowledge** (frontal survey on basic terminology)

Questions to check basic knowledge on the topic of the seminar:

1. Etiopathogenesis of heart rhythm disorders .
2. Classification of heart rhythm disorders .
3. Features of hemodynamic disorders and clinical symptoms in children with heart rhythm disorders .
4. Diagnosis of heart rhythm disorders .

**III. Discussion of theoretical issues:**

1. ECG analysis in children with heart rhythm disorders.
2. Differential diagnosis of heart rhythm disorders.
3. Algorithm for the treatment of children with heart rhythm disorders.
4. Assessment of the auscultatory picture in children with heart rhythm disorders

Discussion of theoretical issues can take place in the form of role-playing, answers to questions, debates, discussions, presentations with reports, abstracts, discussion of reports and abstracts, review of applicant answers, etc.)

### **Themes of role-play/reports/abstracts**

1. Algorithm of differential diagnosis of heart rhythm disorders (report, discussion, discussion of reports and review of applicant answers).
2. Diagnosis and management of heart rhythm disorders in children (role-play).
3. Emergency care for a child with a heart rhythm disorder (role-play).

In preparing a report, role-play, abstract, analytical review, etc., applicants can, along with this, prepare didactic visual aids in the form of tables, code diagrams, slides, drawings, portraits of famous specialists, drugs, etc.).

**IV. Summing up**

### **List of recommended literature**

**The main one**

1. Nelson Pediatric Abx 2022

URL: <https://apps.apple.com/ru/app/nelson-pediatric-abx-2022/id1611269134>

**Additional**

1. Arrhythmias in Children

URL: <https://my.clevelandclinic.org/health/diseases/14788-arrhythmias-in-children#:~:text=If%20your%20child%20has%20an,%2C%20infection%2C%20and%20certain%20medications.>

2. Types of Arrhythmia in Children

URL: <https://www.heart.org/en/health-topics/arrhythmia/about-arrhythmia/types-of-arrhythmia-in-children>