

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 №2.

Topic: ECG analysis in children with congenital heart defects. Treatment of children with congenital heart defects.

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. 2

Topic: ECG analysis in children with congenital heart defects. Treatment of children with congenital heart defects.

Purpose: To deepen knowledge and master the skills of ECG assessment and methods of treatment of children with congenital heart defects, obtained in the course of studying the subject; promoting the development of creative thinking. The ability to logically express and argue one's thoughts, listen to each other and criticize productively.

Basic concepts: Congenital heart defects. Cardiomegaly. Electrocardiography.

Equipment: PAT auscultation simulator Basic.

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. Methods of diagnosis of congenital heart defects.
2. Features of the ECG in normal and pathological conditions .
3. Structural components of the heart and changes in hemodynamics that create an auscultatory picture in normal and pathological conditions .
4. Principles of treatment of children with congenital heart defects.

III. Discussion of theoretical issues:

1. Leading pathogenetic mechanisms of disorders in congenital heart defects.
2. Algorithm for diagnosis of congenital heart defects in children.
3. Algorithm of emergency care in chronic heart failure.

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. Modern methods of diagnosis of congenital heart defects (report, discussion, discussion of reports and review of applicant answers).
2. ECG analysis and auscultation of a child with a congenital heart defect with enrichment of the small blood circulation (role play).
3. ECG analysis and auscultation of a child with a congenital heart defect with impoverishment of the small circle of blood circulation (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. Congenital heart defects in children

URL:<https://www.mayoclinic.org/diseases-conditions/congenital-heart-defects-children/diagnosis-treatment/drc-20350080>