

ODESSA NATIONAL MEDICAL UNIVERSITY

MINISTRY OF HEALTH OF UKRAINE

ODESSA NATIONAL MEDICAL UNIVERSITY

Faculty: medical

(faculty name)

Department of pediatrics №1

(name of department)

Acting pro-rector for scientific and educational work

prof. Svitlana KOTIUZHYNKA

" " 2022 y



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

Faculty medical, course 6 _____

Educational discipline _Selective course " Practical issues of children's pulmonology»

(name of academic discipline)

Seminar lesson No 3. Topic: Cystic fibrosis .

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 (Mykola ARYAYEV)

(signature)

(name, surname)

*Department of Pediatrics №1, Odessa National Medical University
Selective academic discipline " Practical issues of pediatric pulmonology "*

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 Daria USENKO. as. of prof. PhD Larysa KAPLINA, as. Natalia BYSHLEY

*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.

Topic: Cystic fibrosis in children

Purpose: Deepening knowledge and mastering the skills of diagnosing and treating cystic fibrosis in children, obtained in the process of studying the subject; promoting the development of creative thinking. Ability to logically express and argue their thoughts, listen to each other, productively criticize

Basic concepts: Cystic fibrosis. Description of radiographs in children with cystic fibrosis . Appointment list. High-frequency oscillation of the chest.

Equipment: child auscultation manikin

Study time: 2 hours

Plan

I. Organizational moment (greeting, checking those present, messages about the topic, objectives of the lesson, motivation of applicants to study the topic).

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

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

1. Cystic fibrosis - clinic, diagnosis, treatment
2. High-frequency chest oscillation in the treatment of hereditary and chronic respiratory diseases in children
3. Communication with the mother of a child with a prolonged cough.

III. Discussion of theoretical questions:

1. Cystic fibrosis . Etiology, pathogenesis, classification, clinic, diagnostics, differential diagnostics, substantiation of clinical diagnosis.
2. Description of radiographs in children of all ages with cystic fibrosis .
3. Drawing up a list of prescriptions for drug treatment with the calculation of doses for children of all ages
4. The use of high-frequency chest oscillation in the treatment of children with cystic fibrosis (practical skill development).

Discussion of theoretical issues can take place in the form of a role-playing game, answers to questions posed, disputes, discussions, presentations, abstracts, discussion of reports and abstracts, reviewing applicant answers, etc.

Topics of the role-play/reports/abstracts

1. cystic fibrosis Key words: etiology, pathogenesis, classification, clinic, diagnostics, differential diagnostics, substantiation of clinical diagnosis (report, discussion, discussion of reports and review of applicant's answers).
2. Cystic fibrosis : communication, diagnosis, description of radiographs, compilation of a list of drug treatment prescriptions with dose calculation for children of all ages (role-playing game).
3. High-frequency chest oscillation in the treatment of children with cystic fibrosis (practical skill development).

When preparing a report, role-playing game, abstract, analytical review, etc., applicants can also prepare didactic visual aids in the form of tables, codograms , slides, drawings, portraits of

famous specialists, preparations, etc.).

IV. Summarizing

List of recommended literature

1. Beryl J. Rosenstein. Cystic Fibrosis. Manual of Johns Hopkins University School of Medicine /Content last modified Sep 2022//

URL: <https://www.msmanuals.com/professional/pediatrics/cystic-fibrosis-cf/cystic-fibrosis>

2. Neonatology. Textbook: in 3 volumes / [T. K. Znamenskaya , Yu. G. Antipkin , M. L. Aryaev Pediatrics in two volumes, edited by Aryaev M. L., Kotova N. V. T2, diseases of young children. Pulmonology. Allergology. Cardiology. Gastroenterology. Nephrology. HIV infection. Primary health care textbook 2014. - 312 p.
3. Pediatrics in two volumes, edited by Aryaev M.L., Kotova N.V. T2, diseases of young children. Pulmonology. Allergology. Cardiology. Gastroenterology. Nephrology. HIV infection. Primary health care textbook 2014. - 312 p.

Additional

1. **Nelson Textbook of Pediatrics 21 Edition PDF Free Download Chapter 432 Cystic Fibrosis**

URL:<https://medsyndicate.com/2020/11/01/nelson-textbook-of-pediatrics-21-edition-pdf-free-download/>

2. High-frequency chest oscillation in the treatment of children with acute community-acquired pneumonia. Modern pediatrics . 2018. No. 4. P. 55-57
3. Emergency medical care: a new clinical protocol (Order of the Ministry of Health of Ukraine dated June 5, 2019 No. 1269).
4. Chang AB, Marchant JM Approach to Chronic Cough in Children. - Literature review: Nov 18, 2020. URL: UpToDate : https://www.uptodate.com/contents/approach-to-chronic-cough-in-children?search=chronic%20cough%20in%20children&source=search_result&selectedTitle=1~150&usage_type=default&display_rank=1