

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 № 5. Topic: **Syndrome of bronchial obstruction 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)

*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: Syndrome of bronchial obstruction in children.

Purpose: Deepening knowledge and mastering the skills of diagnosis and treatment of bronchial obstruction syndrome in children, obtained in the process of studying the subject; promoting the development of creative thinking. The ability to logically express and argue their thoughts, listen to each other, and criticize productively .

Basic concepts: Syndrome of bronchial obstruction. Auscultation in simulation equipment. Spirometry, peak flowmetry. Algorithm for communication about the likelihood of developing bronchial asthma in a child.

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. Syndrome of bronchial obstruction in children
2. Stenosing laryngotracheitis
3. Bronchial asthma
4. Assessment of respiratory function - spirometry, peak flowmetry
5. Communication with the mother of a child at risk of developing bronchial asthma.

III. Discussion of theoretical questions:

1. Differential diagnosis of bronchial obstruction syndrome in children (stenosing laryngotracheitis, bronchial asthma).
2. Auscultation of a child with bronchial obstruction syndrome in simulation equipment.
3. Conducting and assessing the function of external respiration - spirometry, peak flowmetry in children with broncho - obstructive syndrome.
4. Communication skills of communication with the parents of the child about the likelihood of developing bronchial asthma in the child.

Development of communication skills to communicate with the child's parents about the likelihood of developing bronchial asthma in a child. 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. Differential diagnosis of bronchial obstruction syndrome in children (stenosing laryngotracheitis, bronchial asthma) (Report, discussion, discussion of reports and review of applicant answers).
2. Child with bronchial obstruction syndrome (communication, auscultation on simulation equipment, diagnosis, treatment) (role-playing game).

3. Conducting and assessing the function of external respiration - spirometry, peak flowmetry , in children with broncho - obstructive syndrome (learning a practical skill).
4. Development of communication skills with the child's parents about the likelihood of developing bronchial asthma in a child (role-playing game).

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:

Main:

1. Nelson Textbook of Pediatrics 21 Edition PDF Free Download
Chapter 418 Wheezing, Bronchiolitis, and Bronchitis
<https://medsyndicate.com/2020/11/01/nelson-textbook-of-pediatrics-21-edition-pdf-free-download/>
2. Neonatology : textbook: in 3 volumes / [T. K. Znamenskaya , Yu. G. Antipkin , M. L. Aryaev and others]; ed. T. K. Znamenskoy . – Lviv: Publisher Marchenko TV. 2020, T1. 407 s; T2 .455 s.; T3. 379 s
3. Pediatrics Textbook in two volumes. M.L.Aryaev , N.V.Kotova , N.Yu.Gornostaeva [and others]; ed. M.L. Aryaev , N.V. Kotova . Odessa: ONMedU , 2014 V.1. Neonatology . Hematology. Endocrinology. 155 p.
4. 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.
5. Pediatrics. Differential diagnosis. Emergency conditions edited by Aryaev M.L., Kotova N.V., electronic edition on CD . ONMed . 2017.
6. Pediatrics. Differential diagnosis. Urgent conditions. M.L. Aryaev , N.V. Kotova , O.A. Zelinsky [and others]; edited by Aryaev M.L., Kotova N.V. Odessa: ONMedU . 2017. 280 p.

Additional

1. Alsubaie, H., Al-Shamrani, A., Alharbi, A. S., & Alhaider, S. (2015). Clinical practice guidelines: Approach to cough in children: The official statement endorsed by the Saudi Pediatric Pulmonology Association (SPPA). *International Journal of Pediatrics & Adolescent Medicine*, 2(1), 38-43. URL: <https://doi.org/10.1016/j.ijpam.2015.03.001>
URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6372369/>
2. Emergency medical help : a new clinical protocol (Order of the Ministry of Health of Ukraine dated 06/05/2019 No. 1269).
3. Chang AB, Marchant JM Approach to Chronic Cough in Children. - Literature review: Nov 18, 2020. - 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

