

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

prof. _____

Svitlana KOTIUZHYNKA

" _____ " _____ 2022 y

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

Faculty medical, course 6 _____

Educational discipline _Selective course "Emergency conditions in pediatric allergology»

(name of academic discipline)

Seminar lesson № 5 Topic: "Acute respiratory failure."
(topic name)

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:

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.

Seminar lesson №__5_ Topic: " Acute respiratory failure."
(topic name)

Purpose: Deepening the knowledge and mastering the skills of the clinic and emergency care for acute respiratory failure, obtained in the course of studying the subject; promoting the development of creative thinking. The ability to logically express and argue one's thoughts, to listen to each other, to criticize productively.

Basic concepts: Acute respiratory failure. Ensuring patency of the respiratory tract. Artificial lung ventilation.

Equipment: artificial lung ventilation imitation mannequin, mask and Ambu bag.

Study time: 2 hours

Plan

I. Organizational measures (greetings, checking those present, announcing the topic, the 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. Criteria and clinic of acute respiratory failure.
2. Tactics of the doctor in case of acute respiratory failure.

III. Discussion of theoretical issues:

1. Acute respiratory failure. Etiology, pathogenesis, classification, clinic, diagnosis, differential diagnosis, justification of clinical diagnosis.
2. Provision of emergency care for acute respiratory failure.
3. Performing the skills of ensuring the patency of the respiratory tract and artificial ventilation of the lungs using a mask and an Ambu bag on simulation equipment.

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

Themes of role play/reports/ summeries

1. Acute respiratory failure. Etiology, pathogenesis, classification, clinic (report, discussion, discussion of reports and review of answers).
2. Diagnosis, differential diagnosis, substantiation of the clinical diagnosis of acute respiratory failure (report, discussion, discussion of reports and review of answers).
3. Emergency care for acute respiratory failure and edema (role play).
4. Ensuring airway patency and artificial lung ventilation using a mask and an Ambu bag on simulation equipment (role play).

When preparing a report, role-play, essay, analytical review, etc., applicants of higher educational level can, along with this, prepare didactic visual aids in the form of tables, code diagrams, slides, drawings, portraits of famous specialists, preparations, etc.).

IV. Summing up

List of recommended literature

1. Nelson Textbook of Pediatrics / Edition 2 volume set. Edition: 21st, 2019.
2. Handbook: IMCI integrated management of childhood illness. Electronic resource:

<https://apps.who.int/iris/bitstream/handle/10665/42939/9241546441.pdf?sequence=1&isAllowed=y>

3. Avery's Diseases of the Newborn Book Tenth Edition •2018. Copyright © 2018 Elsevier Inc. All rights reserved. Copyright © 2018 Elsevier Inc. All rights reserved/ No of pages 1656
<https://www.sciencedirect.com/book/9781437701340/averys-diseases-of-the-newborn>
4. Charles A.Pohl, Leonard G.Gomella. Pediatrics On-Call Problems, 2006.
5. Vinod K Paul, Arvind Bagga. Ghai Essential Pediatrics, 8th edition, 2013.