

**ODESSA NATIONAL MEDICAL UNIVERSITY**

MINISTRY OF HEALTH OF UKRAINE

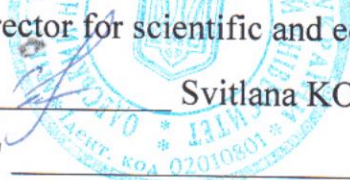
ODESSA NATIONAL MEDICAL UNIVERSITY

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 \_\_\_\_\_

Selective educational discipline: "Emergencies in pediatric neurology".  
*(name of educational discipline)*

Seminar lesson No.5 "Meningitis in children".  
*(name of topic)*

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 No. 1, Odessa National Medical University*  
*S*

Developers: *“Emergencies in pediatric neurology”*

Prof. Mykola ARYAYEV as. of prof. PhD Daria USENKO. as. of prof. PhD Larysa KAPLINA, as. Diana SELIMCHANOVA

*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:** Meningitis in children.

**Purpose:** The applicant's acquisition of additional knowledge and mastering of professional competences and communication skills with the parents of a child with meningitis, 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:** Meningitis in children. Emergency care.

**Equipment:** a mannequin of a child under 5 years of age.

**Study time:** 2 hours.

### **Plan**

I. Organizational moment (greetings, checking the audience, the message of the topic, the purpose of the lesson, the motivation of applicants to study the topic).

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

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

1. Meningitis in children, etiology, pathogenesis, clinic, diagnosis, differential diagnosis.
2. Pathophysiology of children's meningitis.
3. Emergency care and treatment of meningitis in children.

III. Discussion of theoretical issues:

1. Viral meningitis in children, etiology, pathogenesis, clinic, diagnosis, differential diagnosis, emergency care, treatment.
2. Bacterial meningitis in children, etiology, pathogenesis, clinic, diagnosis, differential diagnosis, emergency care, treatment.
3. Tuberculous meningitis in children, etiology, pathogenesis, clinic, diagnosis, differential diagnosis, emergency care, treatment.

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

Topics of role-playing games/reports/abstracts

1. Viral meningitis in children, etiology, pathogenesis, clinic, diagnosis, differential diagnosis, emergency care, treatment.
2. Bacterial meningitis in children, etiology, pathogenesis, clinic, diagnosis, differential diagnosis, emergency care, treatment.
3. Tuberculous meningitis in children, etiology, pathogenesis, clinic, diagnosis, differential diagnosis, emergency care, treatment.
4. Intraventricular hemorrhages due to birth trauma in newborn full-term and premature children, clinic, diagnosis, emergency care.
4. Lumbar puncture, indications, contraindications and technique in children. Assessment of cerebrospinal fluid analysis.

Applicants can prepare didactic visual guides in the form of tables, code diagrams, slides, drawings, portraits of famous specialists, preparations during preparing a report, role-playing game, abstract, analytical review, etc.

IV. Summary of results.

**List of recommended literature:**

**Basic:**

1. Nelson textbook of pediatrics, 2 volume set. Edition: 21st, 2019. PDF format.  
<http://pediacalls.com/e-books/nelson-textbook-of-pediatrics-21st-edition/>
2. Vinod K Paul, Arvind Bagga. Ghai Essential Pediatrics, 8th edition, 2013. PDF format.

**Additionally:**

1. Charles A.Pohl, Leonard G.Gomella. Pediatrics On-Call Problems, 2006. PDF format.
2. Bottomley MJ, Serruto D, Sáfadi MAP, Klugman KP. Future challenges in the elimination of bacterial meningitis. Vaccine. 2012 May.- 78-86 p.
3. Communicable Diseases Control Manual Alinician's c guide to the prevention and control of infectious diseases of public health importance 5th Edition June 2011. - 624 P.
4. Mandell Douglas and Bennett's. Principles and Practice of Infectious Diseases. 7th ed. Orlando, FL: Saunders Elsevier. 2010. 4028 P.
5. Pickering LK, Baker CJ, Kimberlin DW, Long SS, eds. 2009 Red Book: Report of the Committee on Infectious Diseases. 28th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2009. - 872 P.

**Electronic information resources**

1. <http://www.emedicine.com/>
2. <http://journals.lww.com/pidj/>
3. <http://www.medicinenet.com>