

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 KOTIUZHYNska

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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.8 "Pain control, drugs used to control pain 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
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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: Pain control, drugs used to control pain 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 diseases accompanied by pain, 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: Pain in children. Pain control, drugs used to control pain in children.

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. Pain in children, definition and assessment.
2. Pain control, drugs used to control pain in children.

III. Discussion of theoretical issues:

1. Pain control in children.
2. Assessment of pain, measurement of pain, purchase of pain in children.
3. Basic principles of pain management in children.
4. Medicines used to control pain in children.

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. Pain control in children.
2. Assessment of pain, measurement of pain, elimination of pain in children.
3. Basic principles of pain management in children.
4. Medicines used to control pain in children (non-narcotic analgesics, narcotic analgesics, adjuvants).

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. American Medical Association. (2017). *“Emergencies in Pediatric Neurology”*. Management: Pediatric pain management. Available at: [www.ama-cmeonline.com/pain_mgmt/printversion/ama_painmgmt_m6.pdf](http://www.ama-assn.org/ama-cmeonline.com/pain_mgmt/printversion/ama_painmgmt_m6.pdf)
3. Pasero C, Quinlan-Colwell A, Rae D, Broglio K, Drew D. American society for pain management nursing position statement: Prescribing and administering opioid doses based solely on pain intensity. *Pain Manag Nurs*. 2016;17(3):170–80.
4. Manworren RCB, Jeffries L, Pantaleao A, Seip R, Zempsky WT, Ruaño G. Pharmacogenetic testing for analgesic adverse effects: Pediatric case series. *Clin J Pain*. 2016;32(2):109–15.
5. World Health Organization. (2016). WHO guidelines on the pharmacological treatment of persisting pain in children with medical illnesses. Available at: www.who.int/medicines/areas/quality_safety/guide_perspainchild/en/.