

Department of pediatrics № 1, Odesa National Medical University

Elective educational discipline «Critical conditions in pediatric endocrinology».

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 5 _____

Selective educational discipline: "Critical conditions in pediatric endocrinology" _____

(name of academic discipline)

Seminar class №__2__ Topic: Diagnosis of disorders of physical and sexual development in children. _____

(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)

Department of pediatrics № 1, Odesa National Medical University

Elective educational discipline «Critical conditions in pediatric endocrinology».

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 Ludmila SENKIVSKA, Irina TALASHOVA,
Daria USENKO

(name of academic discipline)

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 № 2____

Diagnosis of disorders of physical and sexual development in children.

Purpose: Improvement knowledge on the diagnosis and management of children with disorders of physical and sexual development.

Basic concepts: Types of growth disorders in children. Diagnosis of disorders of sexual development. Obesity in children.

Equipment: signal and centile nomograms

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. Causes of growth disorders in children of different ages and sexes.
2. Diagnostic criteria for growth disorders in children.
3. Factors in the development of disorders of sexual development in children of different ages and sexes.
4. Diagnostic criteria for disorders of sexual development in children of different ages and sexes.
5. Basic aspects of diagnosis and treatment of various types of obesity in children.

III. Discussion of theoretical issues:

1. Problems of diagnosis and treatment of growth disorders in children.
2. Problems of diagnosis and treatment of children with protein-energy deficiency.
3. Problems of diagnosis and treatment of various types of obesity in children.
4. Problems of diagnosis and treatment of disorders of sexual development in children.

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

Topics of role play/reports/abstracts

1. Features of diagnosis and treatment of growth disorders in children (role play).
2. Features of diagnosis and treatment of children with protein-energy deficiency (role play).
3. Features of diagnosis and tactics of managing obesity in children (role play).
4. Features of diagnosis and treatment of disorders of sexual development in children (role play).

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

IV. Summing up

Список рекомендованої літератури

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. Pediatrics. Differential diagnosis. Urgent conditions edited by Aryaeva ML, Kotova NV, electronic edition on CD.
3. Pediatrics. Differential diagnosis. Emergencies. ML Aryaev, NV Kotova, OO Zelinsky [etc.]; edited by Aryaeva ML, Kotova NV Odessa: ONMedU. - 2017. - 280 p.
4. Pediatrics Textbook in two volumes, ed. ML Aryaeva, NV Kotova. - Vol.1. Neonatology. Hematology. Endocrinology. - Odessa.: ONMedU. - 2014. - 155 p.

Additional:

1. Aryayev M, Senkivska L and Lowe JB (2021) Psycho-Emotional and Behavioral Problems in Children With Growth Hormone Deficiency. Front. Pediatr. 9:707648. doi: 10.3389/fped.2021.707648, SCOPUS, Квартиль Q1
2. Senkivska L, Aryayev M. Compliance and barriers to growth hormone therapy in children. *Pediatrica Polska - Polish Journal of Paediatrics*. 2021;96(3). – С.181-184. DOI: <https://doi.org/10.5114/polp.2021.109303> SCOPUS, Квартиль Q4
3. Aryaev M. L., Senkivska L. I. Home and school violence against short children with growth hormone deficiency/ Aryaev M. L., Senkivska L. I. // *Medical prospects*. – 2021. – No. 3 (T26). - pp. 125–131. DOI: <https://doi.org/10.26641/2307-0404.2021.3.242113> SCOPUS, Quartile Q4
4. Senkivska L. I., Aryaev M. L. Clinical and auxological characteristics of growth hormone deficiency in children of the southern region of Ukraine / M. L. Aryaev, L. I. Senkivska. // *Bulletin of Vinnytsia National Medical University*. – 2021. – No. 1 (T 25). – pp. 40–44. DOI: 10.31393/reports-vnmedical-2021-25(1)-07
5. L. I. Senkivska. Growth hormone deficiency detection program in children of the Odesa region. *Modern pediatrics*. 2018. No. 7. P. 34–38. Аряев М. Л., Сеньківська Л. І. Клініко-епідеміологічна характеристика низькорослості дітей Одеського регіону. *Современная педиатрия*. 2017. № 6. С. 36-40.
6. Aryaev M. L., Senkivska L. I. Identification of bioethical problems in children with growth hormone deficiency. *Ethical Aspects of Biomedical Research and Medical Practice: Sixth National Congress on Bioethics with Int. participation, September 27–30, 2016, Kyiv*. P. 50–51.
7. Tsiunchyk Yu. G. Clinical significance of psycho-emotional factors in obesity in children. *Modern pediatrics*. 2016. No. 5. P. 98–101.