

MINISTRY OF HEALTH PROTECTION OF UKRAINE

ODESSA NATIONAL MEDICAL UNIVERSITY

Faculty of Medicine

Department of physical rehabilitation, sports medicine and physical training

APPROVED



Vice-rector for scientific and pedagogical work

Eduard Buryachkivskyi

September 4, 2023

**METHODOLOGICAL DEVELOPMENT
FOR SEMINAR CLASSES
FROM EDUCATIONAL DISCIPLINE**

Faculty of Medical, course IV

Study discipline: **PHYSICAL AND REHABILITATION MEDICINE**

Approved:

The meeting of the department of physical rehabilitation, sports medicine and physical education of
Odessa National Medical University

Protocol № 1 dated 09/04/2023

Head of the Department, Professor



Olga Iushkovska

Developers:

head of the department, MD, prof. Iushkovska O.G.,
professor, Doctor of Medicine, prof. Plakida O.L.,
PhD, associate professor Filonenko O.V.,
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assistant Kravets S.V.

Seminar lesson № 1

Topic: Modern principles of rehabilitation. Concept of rehabilitation. Models of life limitation and their impact on rehabilitation care.

Goal: Mastering knowledge about the general basics of rehabilitation

Basic concepts: rehabilitation, limitation of life activities, international classification of functioning

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

1. Define the terms "physiotherapy", "medical rehabilitation" (rehabilitation medicine),"physical therapy".

2. What are the main tasks of physical rehabilitation.

3. What does physical rehabilitation include.

4. What are the main components of the International Classification of Functioning, Limitations of Vital Activities and Health.

4. Discussion of theoretical issues:

Modern principles of rehabilitation. Concept of rehabilitation. Models of life limitation and their impact on rehabilitation care. The concept of health. International classification of functioning, limitations of vital activity and health: principles of construction, philosophy, principles of organizing the rehabilitation process according to the model of the ICF of the DP. The concept of rehabilitation strategies (restoration and compensation) and their pathophysiological basis, rehabilitation prognosis. Rehabilitation periods, rehabilitation cycle. The concept of patient centricity, setting goals in the rehabilitation of people of different age groups. The concept of the profession "doctor of physical and rehabilitation medicine". Critical thinking in rehabilitation.

5. Topics of reports/abstracts:

- Modern principles of rehabilitation.
- Models of life limitation and their impact on rehabilitation care.
- International classification of functioning, limitations of vital activity and health: principles of construction, philosophy, principles of organizing the rehabilitation process according to the model of the ICF of SE.
- Rehabilitation strategies (restoration and compensation) and their pathophysiological basis, rehabilitation prognosis.
- Rehabilitation periods, rehabilitation cycle.
- Patient centricity, setting goals in the rehabilitation of people of different age groups.

6. Summary.

7. List of recommended literature (main, additional, electronic information resources):

Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. *J Rehabil Med.* 2012; (44): 289–298.
2. R.L. Braddom. *Physical Medicine and Rehabilitation.* England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. *J Rehabil Med;* 2010 (42): 417–424.
5. DeLisa's. *Physical Medicine and Rehabilitation.* Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.
2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiizvprovadzhennya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ditej-i-pidlitkiv>
4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»
5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»
6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»
7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».
8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson № 2

Topic: Concept of rehabilitation examination.

Purpose: Mastery of knowledge about rehabilitation examination

Basic concepts: rehabilitation, limitation of life activities, international classification of functioning

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

1. What is a "rehabilitation examination"?
2. What are the means of evaluation and forecasting in rehabilitation?
3. What are the rehabilitation interventions

4. Discussion of theoretical issues:

Concept of rehabilitation examination. Evaluation and forecasting tools in rehabilitation, including forecasting for people of different age groups. Rehabilitation interventions and their features according to age. Principles of selection and use of assessment tools and rehabilitation interventions for people of different age groups as part of recovery and compensation strategies, during different rehabilitation periods, in acute and chronic health conditions.

5. Topics of reports/abstracts:

- Rehabilitation examination.
- Evaluation and prediction tools in rehabilitation for people of different age groups.

Rehabilitation interventions and their features according to age.

- Principles of selection and use of assessment tools and rehabilitation interventions.
- Principles of selection and use of assessment tools and rehabilitation interventions.
- during various rehabilitation periods,
- Principles of selection and use of assessment tools and rehabilitation interventions.
- for acute and chronic health conditions.

6. Summary.

7. List of recommended literature (main, additional, electronic information resources):

Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.
5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.
2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiivprovadzheniya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zdorovya-ditej-i-pidlitkiv>

4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»

5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»

6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»

7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».

8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson № 3

Topic: Rehabilitation specialists, multidisciplinary team in rehabilitation, its members.

Purpose: Learning about the multidisciplinary team in rehabilitation

Basic concepts: rehabilitation, multidisciplinary team, interdisciplinary cooperation, treated PhRM

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

1. Multidisciplinary team in rehabilitation, its members.

2. Principles of multidisciplinary rehabilitation team work.

Ideas about interdisciplinary cooperation.

3. Rehabilitation teams outside health care facilities

4. Discussion of theoretical issues:

Rehabilitation specialists, multidisciplinary team in rehabilitation, its members. Principles of multidisciplinary rehabilitation team work. The field of clinical competences, the leading role of the FRM doctor. Assessment and intervention using a physical therapist, occupational therapist, speech and language therapist, psychologist, prosthetist-orthetist, and rehabilitation nurse, social worker, in particular when providing rehabilitation assistance to a person with life limitations. Ideas about interdisciplinary cooperation. Rehabilitation teams outside healthcare facilities (early intervention, inclusive education).

5. Topics of reports/abstracts:

- Rehabilitation specialists, multidisciplinary team.
- Principles of multidisciplinary rehabilitation team work.
- The field of clinical competences, the leading role of the FRM doctor.
- Assessment and intervention using a physical therapist, occupational therapist, speech

and language therapist

6. Summary.

7. List of recommended literature:

Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55

2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.
5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.
2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiizvprovadzhennya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ditej-i-pidlitkiv>
4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»
5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»
6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»
7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».
8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson №4

Topic: Physical and rehabilitation medicine for injuries and diseases of the nervous system

Purpose: Mastery of knowledge about means of physical and rehabilitation medicine for injuries and diseases of the nervous system

Basic concepts: rehabilitation, nervous system, cerebral palsy, injuries of the nervous system

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

- Injuries and diseases of the nervous system
- Injuries and diseases of the nervous system in children
- Spinal cord injuries
- Injuries and diseases of the peripheral nervous system

4. Discussion of theoretical issues:

Physical and rehabilitation medicine for injuries and diseases of the nervous system in people of different ages: cerebral palsy, hereditary diseases of the nervous system, consequences of birth injuries, spinal cord injuries, injuries and diseases of the peripheral nervous system. Means of assessment and forecasting, rehabilitation interventions, peculiarities of the organization of the rehabilitation process.

5. Topics of reports/abstracts:

- Principles of rehabilitation of patients with injuries and diseases of the nervous system
- Means of assessment and forecasting of the rehabilitation process
- peculiarities of the organization of the rehabilitation process
- Cerebral palsy
- Hereditary diseases of the nervous system
- Spinal cord injuries
- Injuries and diseases of the peripheral nervous system

6. Summary.

7. List of recommended literature (main, additional, electronic information resources):

Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.
5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.
2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiizvprovadzhennya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ditej-i-pidlitkiv>
4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»
5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»
6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»
7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».
8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson No. 5

Topic: Physical and rehabilitation medicine for musculoskeletal injuries

Purpose: Mastering knowledge about the means of physical and rehabilitation medicine for musculoskeletal injuries

Basic concepts: rehabilitation, musculoskeletal injuries, scoliosis

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

- Classification of musculoskeletal injuries
- Congenital anomalies of the development of the musculoskeletal system
- Scoliosis
- Injuries of long bones
- Basic means of immobilization in case of injuries

4. Discussion of theoretical issues:

Physical and rehabilitation medicine for musculoskeletal injuries in people of different ages: congenital anomalies of the musculoskeletal system, scoliosis and related conditions, bone and ligament injuries, limb amputations, rheumatological lesions. Means of assessment and forecasting, rehabilitation interventions, peculiarities of the organization of the rehabilitation process.

5. Topics of reports/abstracts:

- General principles of rehabilitation for musculoskeletal injuries
- Peculiarities of rehabilitation depending on the means of immobilization
- Assessment and forecasting tools for musculoskeletal injuries
- The main means of prevention and rehabilitation of scoliosis
- Rehabilitation means for limb amputation

6. Summary.

7. List of recommended literature (main, additional, electronic information resources):

Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.
5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.
2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiivprovadzhennya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zdorovya-ditej-i-pidlitkiv>
4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»
5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»
6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»
7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».
8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson № 6

Topic: Physical and rehabilitation medicine for diseases of the cardiovascular and respiratory systems

Purpose: Mastering knowledge about the means of physical and rehabilitation medicine for diseases of the cardiovascular and respiratory systems

Basic concepts: rehabilitation, cardiovascular system, respiratory system

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

- Classification of diseases of the cardiovascular system
- Peculiarities of rehabilitation for diseases of the cardiovascular system
- Respiratory system, main diseases
- Operative interventions on the organs of the chest cavity
- Means of assessment and forecasting in the rehabilitation of patients with cardiovascular and respiratory diseases

4. Discussion of theoretical issues:

Physical and rehabilitation medicine for diseases of the cardiovascular and respiratory systems in people of different ages: congenital anomalies of the development of the heart and lungs, deformations of the chest, surgical interventions on the organs of the chest cavity. Means of assessment and forecasting, rehabilitation interventions, peculiarities of the organization of the rehabilitation process.

5. Topics of reports/abstracts:

- General principles of rehabilitation for diseases of the cardiovascular system Peculiarities of rehabilitation for diseases of the cardiovascular system Means of assessment and forecasting for diseases of the cardiovascular system
- The main means of prevention and rehabilitation in diseases of the cardiovascular system

6. Summary.

7. List of recommended literature (main, additional, electronic information resources):

Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.

5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.
2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiizvprovadzhennya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ditej-i-pidlitkiv>
4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»
5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»
6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»
7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».
8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson № 7

Topic: Physical and rehabilitation medicine for other health conditions in children

Purpose: Mastering knowledge about the means of physical and rehabilitation medicine for other health conditions in children

Basic concepts: rehabilitation, childhood diseases

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

- Peculiarities of the state of health in children of different age groups
- Psychological abnormalities in children
- Obesity in children
- Means of assessment and forecasting in children depending on age
- Peculiarities of rehabilitation interventions in children depending on age
- Peculiarities of the organization of the rehabilitation process in children depending on age

4. Discussion of theoretical issues:

Physical and rehabilitation medicine for other health conditions in children of different age groups: mental retardation, long-term immobilization, swallowing disorders, chronic pain syndromes, obesity. Means of assessment and forecasting, rehabilitation interventions, peculiarities of the organization of the rehabilitation process.

5. Topics of reports/abstracts:

- Peculiarities of the state of health in children of different age groups
- Psychological abnormalities in children
- Obesity in children

- Means of assessment and forecasting in children depending on age
- Peculiarities of rehabilitation interventions in children depending on age
- Peculiarities of the organization of the rehabilitation process in children depending on age

6. Summary.

7. List of recommended literature (main, additional, electronic information resources):

Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.
5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.
2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiizvprovadzheniya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ditej-i-pidlitkiv>
4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»
5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»
6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»
7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».
8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson № 8

Topic: Physical and rehabilitation medicine for oncological diseases

Purpose: Mastery of knowledge about means of physical and rehabilitation medicine for oncological diseases

Basic concepts: rehabilitation, oncological diseases, palliative care

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

- Oncological diseases
- Peculiarities of rehabilitation at different stages of oncological diseases
- Concept of hospice and palliative care
- Means of evaluation and forecasting in oncological diseases

4. Discussion of theoretical issues:

Physical and rehabilitation medicine for oncological diseases. Hospice and palliative care. Means of assessment and forecasting, rehabilitation interventions, peculiarities of the organization of the rehabilitation process.

5. Topics of reports/abstracts:

- Oncological diseases, classification
- Staging of oncological diseases
- Hospice care for oncological diseases
- Palliative care for oncological diseases

6. Summary.

7. List of recommended literature (main, additional, electronic information resources):

Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.

5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

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2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiizvprovadzhennya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ditej-i-pidlitkiv>
4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»
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6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»
7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».
8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson № 9

Topic: The use of natural and preformed physical factors in the provision of rehabilitation assistance

Purpose: To acquire knowledge about the use of natural and preformed physical factors in the provision of rehabilitation assistance

Basic concepts: rehabilitation, natural preformed factors

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

- Classification of natural factors
- Concept of preformed natural factors
- Classification of physical factors
- Principles of using natural and preformed physical factors in rehabilitation

4. Discussion of theoretical issues:

The use of natural and preformed physical factors in providing rehabilitation assistance to people of different ages: classification of physical factors, apparatus physiotherapy, principles of using natural and preformed physical factors in the organization of modern evidence-based rehabilitation for people of different ages.

5. Topics of reports/abstracts:

- Hardware physiotherapy
- Preformed natural factors as a means of long-term rehabilitation
- Classification of physical factors

• Principles of using natural and preformed physical factors at the sanatorium stage of rehabilitation

6. Summary.

7. List of recommended literature (main, additional, electronic information resources):

Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.
5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.
2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiivprovadzheniya-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ditej-i-pidlitkiv>
4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»
5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»
6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»
7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».
8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson № 10

Topic: Massage

Purpose: Mastery of knowledge and practical skills in the development of massage as a means of rehabilitation

Basic concepts: rehabilitation, massage, massage techniques

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

Massage, its varieties

- Physiological basis of the effect of massage on the human body
 - Peculiarities of massage in young children
4. Discussion of theoretical issues:
Massage. Its varieties, impact on the body of an adult, a child, depending on age and existing limitations of life. Peculiarities of using massage in children of the first year of life
 5. Topics of reports/abstracts:
 - Types of massage
 - Basic techniques of massage
 - Indications and contraindications for the use of massage
 - Peculiarities of using massage in children of the first year of life.
 6. Summary.
 7. List of recommended literature (main, additional, electronic information resources):
Main
 1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
 2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
 3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
 4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.
5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.
2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiizvprovadzhennya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ditej-i-pidlitkiv>
4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»
5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»
6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»
7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».
8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson № 11

Topic: Physical and rehabilitation medicine in sports.

Purpose: Mastering knowledge about means of physical and rehabilitation medicine in sports

Basic concepts: rehabilitation, sports, athletes

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:
 - The concept of sports
 - Peculiarities of athletes' bodies
 - Comprehensive medical examination of athletes
 - Physical development of a person
 - Physical capacity of a person, its measurement
4. Discussion of theoretical issues:

Physical and rehabilitation medicine in sports. The main tasks and content of medical control, the method of comprehensive medical examination. Analysis of the results of a comprehensive medical examination. Definition and evaluation of human physical development. Research and assessment of the functional state of the cardiovascular, respiratory and autonomic nervous systems of a person using functional tests. Medical opinion.
5. Topics of reports/abstracts:
 - Cyclic and acyclic sports
 - The influence of sports on the human body
 - Research and assessment of human physical development
 - Evaluation of functional systems of the body using tests
 - Direct and indirect assessment of a person's physical capacity

6. Summary.

7. List of recommended literature (main, additional, electronic information resources):

Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.
5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.
2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"
3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiizvprovadzhennya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zdorovya-ditej-i-pidlitkiv>
4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»
5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»
6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»
7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».
8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>

Seminar lesson № 12

Topic: Physical and rehabilitation medicine for sports injuries.

Purpose: Mastering knowledge about the means of physical and rehabilitation medicine

for injuries in sports.

Basic concepts: rehabilitation, sports, athletes, injuries

Equipment: multimedia projector, screen

Plan:

1. Organizational measures: greetings, verification of those present, notification of the topic and purpose of the lesson, motivation of higher education seekers to study the topic).
2. Control of the reference level of knowledge: a frontal survey on basic terminology.
3. Questions to check basic knowledge on the topic of the seminar:

- Sports injuries, causes
- Features of injuries depending on the type of sport
- Injury prevention in sports

4. Discussion of theoretical issues:

Physical and rehabilitation medicine for sports injuries. Prevention of acute and chronic injuries in sports. Principles of rehabilitation of sports injuries and chronic conditions after injuries

5. Topics of reports/abstracts:

- The most common injuries depending on the type of sport
- Prevention of sports injuries
- Concept of acute and chronic sports injury
- Pathological conditions due to irrational sports activities
- Peculiarities of rehabilitation measures for athletes

6. Summary.

7. List of recommended literature (main, additional, electronic information resources):
Main

1. White Book On Physical And Rehabilitation Medicine In Europe. European Journal of Physical and Rehabilitation Medicine 2018 April;54(2):125-55
2. European Physical and Rehabilitation Medicine Bodies Alliance. White Book on Physical and Rehabilitation Medicine in Europe. Eur J Phys Rehabil Med 2018. - Vol.54 (2). – P.125-321.
3. World Health Organization. Rehabilitation 2030: a call for action: Meeting report [Internet]. WHO; 2017. Available from: <http://www.who.int/disabilities/care/rehab-2030/en/>
4. Gutenbrunner C., Tederko P., Grabljevec K., Nugraha B., Responding to the World Health Organization Global Disability Action Plan in Ukraine: developing a National Disability, Health and Rehabilitation Plan J Rehabil Med. – 2018 (50). – P.338–341

Additional

1. M., Christodoulou N. A position paper on physical & rehabilitation medicine programmes in post-acute settings. J Rehabil Med. 2012; (44): 289–298.
2. R.L. Braddom. Physical Medicine and Rehabilitation. England: Elsevier Science, 2011. 1536 c.
3. WHO World Report on Disability [Internet]. WHO. [cited 2014 Nov 8]. Available from: http://www.who.int/disabilities/world_report/2011/en/
4. Ward A., Gutenbrunner C., Damjan H., Giustini A., Delarque A. European Union of Medical Specialists (UEMS) Section of Physical & Rehabilitation Medicine: A position paper on physical and rehabilitation medicine in acute settings. J Rehabil Med; 2010 (42): 417–424.
5. DeLisa's. Physical Medicine and Rehabilitation. Lippincott Williams & Wilkins; Fifth, North Am, 2010. 2432 p.

Electronic information resources:

1. - <http://www.moz.gov.ua> – Official site of the Ministry of Health of Ukraine.

2. - <http://www.president.gov.ua/documents/6782015-19605> - Decree of the President of Ukraine "On intensification of work to ensure the rights of people with disabilities"

3. - <https://www.kmu.gov.ua/ua/npas/pro-zatverdzhennya-planu-zahodiizvprovadzhennya-v-ukrayini-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zdorovya-ta-mizhnarodnoyi-klasifikaciyi-funkcionuvannya-obmezhen-zhittyediyalnosti-ta-zdorovya-ditej-i-pidlitkiv>

4. - Order of the Cabinet of Ministers of Ukraine dated 27.12.2017 №1008-r «On approval of the action plan for the implementation in Ukraine of the International Classification of Functioning, Restrictions on Life and Health and the International Classification of Functioning, Restrictions on Life and Health of Children and Adolescents»

5. - <http://zakon5.rada.gov.ua/laws/show/2801-12> - Law of Ukraine «Fundamentals of the legislation of Ukraine on health care»

6. - <http://zakon3.rada.gov.ua/laws/show/2961-15> - Law of Ukraine «On Rehabilitation of Persons with Disabilities in Ukraine»

7. - <http://zakon2.rada.gov.ua/laws/show/3808-12> - Law of Ukraine «On Physical Culture and Sports».

8. <http://info.odmu.edu.ua/chair/sports/training/216/en/files>