UNIVERSITY OF NOVI SAD
FACULTY OF MEDICINE

Study program: Doctoral Academic Studies in Biomedical Sciences

Name of the subject: MODERN PRINCIPLES OF PHYSICAL AND REHABILITATION MEDICINE IN PERSONS WITH DISABILITY

Teacher(s): Snežana T. Tomasević-Todorović**,** Aleksandra V. Mikov

Status of the subject: elective

Number of points: 20

Condition: -

Goal of the subject

Introducing PhD students to the care of persons with disabilities in medical, psycho-social and professional terms.

Outcome of the subject

Implementation of basic concepts in the field of care of persons with disabilities in daily medical practice and training of doctoral students for practical application of procedures in the rehabilitation, as well as for the application of evaluation questionnaires during rehabilitation treatment.

Content of the subject

Theoretical lectures

1. Terminology and basic principles in medical rehabilitation of people with disabilities
2. Disability and preventative measures
3. The social and social significance of the care of persons with disabilities
4. Methods for evaluating the effectiveness and prognosis of medical rehabilitation outcomes of people with disabilities
5. Basic characteristics of physical agents
6. Basic principles of early rehabilitation treatment of people with disabilities
7. Specificity of the process of children's habilitation and rehabilitation
8. Habilitation of children with childhood cerebral palsy syndrome
9. Medical rehabilitation of patients after trauma and polytrauma
10. Medical rehabilitation of patients with spinal cord damage (squares and paraplegia)
11. The modern concept of rehabilitation of patients after amputations
12. Innovative principles in orthotics and prosthetics
13. Contemporary attitudes in the care of patients with hemiplegia syndrome
14. Basic principles of treatment and medical rehabilitation of patients with inflammatory rheumatic diseases
15. Diagnosis, treatment and medical rehabilitation of patients with degenerative rheumatic diseases

Practical lectures

1. Development of a plan and program of Medical Rehabilitation
2. Selected segments in functional anatomy, neurophysiology, and kinesiology
3. Practical application of physical therapy procedures
4. Pathological conditions leading to disability in childhood
5. Practical work with patients after head trauma, spinal cord injury and limb fracture
6. Care of persons with disabilities who have neurological diseases and injuries of peripheral and cranial nerves
7. Practical work with patients after amputations
8. Introduction and practical application of questionnaires for assessing the functional status of persons with disabilities
9. Familiarity with specific therapeutic modalities in patients with hemiplegia syndrome
10. Practical work with patients suffering from Rheumatic diseases

Literature

Compulsory:

1. DeLisa JA, Gans BM, Walsh NE, Bockenek WL, Frontera WR, Geiringer SR et al. Physical Medicine & Rehabilitation: Principles and Practise. 4th ed. New Jersey: Lippincott Williams & Wilkins, 2005.

Additional:

1. Frontera WR, Silver JK, Rizzo TD. Essentials of Physical Medicine and Rehabilitation. 2nd ed. Philadelphia: Elsevier, 2008:1232.

Number of active classes	**Theory**: 60	**Practice**: 45

Methods of delivering lectures

Evaluation of knowledge (maximum number of points 100)

lectures: 10

practices: 20
essay: 20
written exam: 20
oral exam: 30