

Medicine

Name of discipline	Medical Rehabilitation		
Type	Compulsory	Credits	2
Academic year	V	Semester	IX-X
Number of hours 60	Course	10	Practice/laboratory work
	Seminar	10	Self-training
Component	General		
Course holder	Pascal Oleg, DhM, university professor		
Location	Department of Medical Rehabilitation, Physical Medicine and Manual Therapy, clinical base Clinical Hospital of the Ministry of Health, (str. G. Cașu 37)		
Conditionings and prerequisites of:	Program: Physics, Biophysics, Functional Anatomy, Biomechanics, Pharmacology, Physiology Internal Medicine, Neurology and Neurosurgery, Orthopedics and Traumatology.		
	Competences: basic digital skills (internet use, document processing, use of text editors, electronic tables and presentation applications), communication skills and teamwork.		
Mission of the discipline	<p>The mission of this study program is to conceptualize rehabilitation and physical medicine as an independent medical specialty concerned with promoting physical and cognitive functioning, activities (including behavior), participation (including quality of life), and changing personal and environmental factors. Thus, it is responsible for the prevention, diagnosis, treatment and rehabilitation management of people with disabilities and co-morbidities at all ages. According to the World Health Organization (WHO), rehabilitation is "the use of all means to reduce the impact of conditions that create disabilities to enable people with disabilities to achieve optimal integration into society". The notions of "functioning" and "participation", as well as "contextual factors" (environmental and personal) - are basic elements in any process of medical rehabilitation. Rehabilitation can substantially reduce the negative impact of many acute or chronic diseases that can generate disabilities, especially the pathology of the musculoskeletal system, central and peripheral nervous system, cardiovascular, respiratory. Medical rehabilitation can be practiced at different stages of medical care, including emergency hospitals, specialized rehabilitation centers / wards, outpatient physical medicine offices, spas.</p>		
Overview of the topics	<p>Introduction in Medical Rehabilitation and Physical Medicine. Methods of Rehabilitation and Physical Medicine. Physical therapy. Balneotherapy. Medical rehabilitation in musculoskeletal system pathology. Medical rehabilitation in the pathology of the cardiovascular and respiratory systems. Medical rehabilitation in the pathology of the nervous system.</p>		
Outcomes	<ul style="list-style-type: none"> • to recognize “Rehabilitation and physical medicine” as an independent medical specialty, the place and role of medical rehabilitation in the health system; • to understand the fields of activity, the means of physical medicine and the interventions specific to rehabilitation; • to know the competencies of the rehabilitation doctor and the interdisciplinary interaction; • to know the basic concepts of medical rehabilitation: disability and functioning; 		

	<ul style="list-style-type: none"> • to understand the holistic approach of the patient in rehabilitation care and the principles of application of the CIF model (International Classification of Functioning, Disability and Health); • to know the curative action of natural and artificial physical factors, as well as the methodology of applying their rehabilitation treatment; • to understand the principles and methodology of clinical and functional evaluation of people with various diseases; • to know the principles of elaboration of the rehabilitation plan and program; • to understand the principle of working in a multidisciplinary team; • to know the organization of the medical rehabilitation process at different stages and treatment units (hospital, specialized rehabilitation centers / sections, outpatient service, spas, etc.); • to know the indications and contraindications of rehabilitation methods; • to know the principles for determining the degree of disability and work capacity; <p>to know modern technologies and methods used in physical medicine and rehabilitation.</p>
Clinical skills	<p>to perform the correct collection and estimation of the anamnesis data from the perspective of functionality;</p> <ul style="list-style-type: none"> • to assess the patient's functional status and to identify the main functional deficiencies for people with various conditions; • to indicate primary and secondary prophylaxis measures <p>to know interventions and rehabilitation methods for patients with various ailments and disabilities;</p> <ul style="list-style-type: none"> • to appreciate the efficiency of the rehabilitation program. • to integrate the existing basic and clinical medical knowledge with the knowledge accumulated within the medical rehabilitation and physical medicine module; • to creatively address the issues of fundamental medicine and integrative medicine in medical rehabilitation; • to know the principles of cooperation and interdisciplinary interactions of the specialty of medical rehabilitation and physical medicine; • to develop communication skills with the patient and family members, members of the multidisciplinary team to optimally address various dysfunctions or disabilities; • to be able to objectively self-assess their knowledge in the field; • to apply the principles of narrative medicine, medical rehabilitation and good practices in the subsequent activity.
Evaluation form	Differentiated colloquium

