

Subject: Physiotherapy in Surgery

I. General information

Organization unit	Faculty of Rehabilitation Chair of Movement Teaching Supervisor: Prof. Edyta Smolis-Bąk
Course name	Physiotherapy in Surgery
Subject code	FV-80
Teaching language	English
Type of subject (obligatory/ facultative)	obligatory
Level of studies	master (linear)
Study year	3
Semester	6
ECTS points	2
Teacher/ e-mail	Piotr Czyżewski, PhD panpiotr@o2.pl piotr.czyzewski@awf.edu.pl
Studies program in which the subject is realized	Physiotherapy
Method of realization (stationary/ distance learning)	Stationary
Prerequisites	Knowledge about anatomy, physiology, kinesiology, biomechanics, general physiotherapy

II. Detailed Information

Course aims and objectives

A1	Goals and methods physiotherapy in surgery department, , postoperative complications.
A2	Postoperative functional status, elderly people after surgery.
A3	Physiotherapy in vascular diseases. Peripheral arterial occlusive disease, chronic vein insufficiency.
A4	Physiotherapy after amputation – early period.

Learning outcomes

Learning outcome	Subject's learning outcomes
Knowledge	
<p>In terms of knowledge, the graduate knows and understands:</p> <p>O.W5 mechanism of the physical factors impact on the human body and the physical treatments impact on the treatment of people with various diseases and dysfunctions, including the elderly, in various conditions;</p> <p>O.W7 indications for providing physiotherapy in certain medical conditions;</p> <p>D.W4 principles of diagnosis and general principles and methods of treatment in the most common diseases in the area of: cardiology and cardiac surgery, pulmonology, surgery, gynaecology and obstetrics, geriatrics, psychiatry, intensive care, oncology and palliative medicine, to the extent that allows rational use of physiotherapy;</p>	<p>Knowledge about physiotherapy methods in general surgery (pre- and postoperative).</p> <p>Knowledge about prevention postoperative complications.</p> <p>Consecutive treatment vascular diseases.</p> <p>Amputation types, methods and levels .</p> <p>Assessment of functional status and complications risk factors, after major abdominal surgery .</p> <p>Functional diagnostic of intermittent claudication.</p> <p>Functional assessment after amputation.</p>
Skills	
<p>In terms of skills, the graduate can:</p> <p>O.U3create, verify and modify physiotherapy programs for people with various dysfunctions, including the elderly, according to their clinical and functional condition, as well as a part of a comprehensive rehabilitation process;</p> <p>O.U4 control the effects of physiotherapy;</p> <p>D.U5 select - depending on the clinical and functional condition of the patient - and perform physiotherapy procedures for planned amputations (pre and post-operative management) and traumatic amputations, teach how to walk in prosthesis, post-operative of the upper limbs management, including instructions in the area of prosthesis use;</p> <p>D.U37 plan, select - depending on the clinical and functional patient condition - and perform physiotherapeutic procedures on patients with functional and organic peripheral vascular disease and in patients after amputation for vascular causes;</p> <p>D.U38implement a strategy for early patient activation after abdominal or thoracic surgery, physiotherapeutic procedures to relax the lungs and facilitate bronchial cleansing, instruct in the prevention of early and late postoperative</p>	<p>Postoperative early mobilization methods.</p> <p>Exercises for prevention postoperative complication.</p> <p>Peripheral arterial occlusive disease - rules of training.</p> <p>Compressive therapy and exercises in chronic vein insufficiency.</p> <p>Physiotherapy in early period after amputation.</p> <p>Basic skills in prosthetic methods.</p>

complications and give recommendations on postoperative outpatient physiotherapy;	
Social Competences	
In terms of social competence, the graduate is ready to: O.K1 establish and maintain respectful contact with the patient, as well as to show understanding of ideological and cultural differences;	Cooperation with surgeon, anesthesiologist, nurse and other physiotherapists.

Syllabus contents

No	Title
Classes/ Practical classes	
SC1	Physiotherapy in general surgery
SC2	Physiotherapy in vascular surgery
SC3	Physiotherapy after amputation

Assessment criterion

Local grade	Grade	Criteria
5	A	90% of knowledge and skills
4,5	B	85% of knowledge and skills
4	C	80% of knowledge and skills
3,5	D	70% of knowledge and skills
3	E	60% of knowledge and skills
2	F	< 60% of knowledge and skills

1ECTS point = 30 hours students work (contact + self study)

TYPES OF CLASSES	HOURS
Contact hours	22,5
Self study	20
Total = 42,5hours = 2ECTS	