



SAĞLIK
BİLİMLERİ
ENSTİTÜSÜ



ENSTİTÜSÜ
BİLİMLERİ

DEPARTMENT OF PHYSIOTHERAPY AND REHABILITATION GRADUATE PROGRAMS

ACADEMIC STAFF



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- **Prof. Dr. Meral BOŞNAK GÜÇLÜ, Department Head**
- **Prof. Dr. Nevin Aysel GÜZEL**
- **Prof. Dr. Seyit ÇITAKER**
- **Prof. Dr. Deran OSKAY**
- **Prof. Dr. Arzu GÜÇLÜ GÜNDÜZ**
- **Prof. Dr. Bülent ELBASAN**
- **Prof. Dr. İlke KESER**
- **Prof. Dr. Selda BAŞAR**
- **Prof. Dr. Nihan KAFA**
- **Prof. Dr. Zeynep HAZAR**
- **Assoc. Prof. Dr. Çağla ÖZKUL**
- **Assoc. Prof. Dr. Zeynep EMİR**
- **Assoc. Prof. Dr. Gökhan YAZICI**
- **Assoc. Prof. Dr. Kamile UZUN AKKAYA**



ACADEMIC STAFF

- **Asst. Prof. Dr. Müşerref Nur KELEŞ**
- **Asst. Prof. Dr. Murat ESMER**
- **Asst. Prof. Dr. Pelin ATALAN EFKERE**
- **Asst. Prof. Dr. Nihan KATAYIFÇI**
- **Asst. Prof. Dr. Gamze Nalan ÇINAR**
- **Asst. Prof. Dr. Gamze ÇOBANOĞLU DEMİRKAN**
- **Asst. Prof. Dr. Gizem TORE**
- **Res. Asst. Mustafacan SALAMCI**
- **Res. Asst. Canan ERGİN**
- **Res. Asst. Aslınur ÇAKIR**
- **Res. Asst. Ecem YILDIZ ÇANGUR**
- **Res. Asst. Naciye SEVİM**



Cardiopulmonary Physiotherapy and Rehabilitation

- Physiotherapy and rehabilitation approaches for patients diagnosed with chest diseases such as COPD, Asthma, Interstitial Lung Disease
- Physiotherapy and rehabilitation approaches for individuals with pulmonary disease risk factors
- Physiotherapy and rehabilitation approaches for children and adults in intensive care unit
- Cardiopulmonary physiotherapy and rehabilitation approaches for hospitalized and outpatient patients followed up with different cancer diagnoses
- Cardiopulmonary physiotherapy and rehabilitation approaches for individuals who have undergone lung surgery and abdominal surgery
- Cardiopulmonary physiotherapy and rehabilitation approaches for healthy individuals and geriatric individuals with reduced exercise capacity



FIELDS OF RESEARCH



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Cardiopulmonary Physiotherapy and Rehabilitation

- Cardiopulmonary physiotherapy and rehabilitation approaches for individuals with neurological (multiple sclerosis, Parkinson's, Gulian Barre, myasthenia gravis, amyotrophic lateral sclerosis etc.) respiratory and cardiac problems,
- Cardiopulmonary physiotherapy and rehabilitation approaches for rheumatological (rheumatoid arthritis, ankylosing spondylitis etc.) or orthopedic (scoliosis) patients with,
- Physiotherapy and rehabilitation approaches for individuals with cardiopulmonary disease risk factors,
- Physiotherapy and rehabilitation approaches for individuals with cardiac diseases such as heart failure, pulmonary artery hypertension, myocardial infarction, stable angina, heart valve diseases, and coronary artery disease.



FIELDS OF RESEARCH



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Cardiopulmonary Physiotherapy and Rehabilitation

- Physiotherapy and rehabilitation approaches for individuals undergoing cardiac surgery and cardiac transplantation
- Physiotherapy and rehabilitation approaches for healthy and geriatric individuals with diagnosed systemic diseases that limit their exercise capacity and reduced exercise capacity
- Physiotherapy and rehabilitation approaches after tissue and organ transplants
- Physiotherapy and rehabilitation approaches in pediatric chest diseases
- Physical activity counseling in chronic diseases
- Exercise tests and training.



Chronic Diseases, Healthy Living and Physical Activity Counseling Center

- Physiotherapy and rehabilitation approaches for individuals with cardiopulmonary disease risk factors
- Behavioral and physical activity counseling in chronic diseases
 - Coronary artery disease
 - Hypertension
 - Diabetes mellitus
 - Physical inactivity
 - Hyperlipidemia
 - Smoking/alcohol consumption
 - Obesity
 - Stress/personality types
- Exercise tests and training



FIELDS OF RESEARCH



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Hand Rehabilitation and Rheumatologic Physiotherapy and Rehabilitation

- Rehabilitation methods aiming to increase the quality of life and functions in health problems affecting the hand and upper extremity
- Evaluation of hand functions with objective methods and their improvement
- Use of technology in hand rehabilitation
- Hand injuries and robotic rehabilitation
- Investigation of the effects of different exercise types on body systems
- Exercise training and exercise physiology in chronic diseases
- Musician health
- Rehabilitation approaches to alleviate symptoms and improve the quality of life and function of patients diagnosed with rheumatological diseases.



Neurological Physiotherapy and Rehabilitation

- Applications and current neurodevelopmental treatment approaches aimed at improving the quality of life of neurological patients by increasing their mobility and independence levels,
- Physiotherapy and rehabilitation programs after stroke and cerebrovascular diseases,
- Physiotherapy and rehabilitation programs for individuals with neurological diseases such as Parkinson's and Multiple Sclerosis,
- Balance and coordination studies for patients with balance and gait disorders,
- Measurement of muscle activation with EMG during the rehabilitation process, postural stability assessments.



FIELDS OF RESEARCH

Oncologic Physiotherapy and Rehabilitation

- Raising public awareness about cancer, rehabilitation of cancer, and accompanying problems.
- Healthy individuals are educated about cancer, their awareness is increased, and physiotherapy and rehabilitation practices are taught according to the individual needs of patients during cancer diagnosis, cancer treatment stages (surgery, chemotherapy, radiotherapy, hormone therapy), and post-cancer life and palliative care periods.
- In this context, consultancy is provided on effective physiotherapy and rehabilitation methods in coping with the side effects of cancer treatment (such as lymphedema, loss of muscle strength, movement problems, loss of balance and sensation) in many different types of cancer such as all cancer formations seen in the body (breast, prostate, colorectal, head and neck, hematological malignancies, gynecological cancers, childhood cancers, nervous system, musculoskeletal system cancers).



FIELDS OF RESEARCH



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Oncologic Physiotherapy and Rehabilitation

- Consultancy is provided on physiotherapy and rehabilitation methods used in treating lymphedema, which is swelling in body parts that occur as a result of congenital or subsequent lymphatic system damage such as cancer, infection, and traumatic injuries.
- It also includes specific approaches to lymphedema due to shared social diseases, such as chronic venous insufficiency (varicose veins) and lipedema.
- Consultancy services are provided for the management of pelvic health issues, including uterine and ovarian cancers, sexual dysfunctions, and obstetric and urogynecological problems.



FIELDS OF RESEARCH



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Orthopedic Physiotherapy and Rehabilitation

- Evaluation, analysis and treatment program planning and implementation in orthopedic and traumatic diseases,
- Physiotherapy and rehabilitation approaches in orthopedic and traumatic diseases,
- Physiotherapy and rehabilitation applications before and after surgery,
- Research and development applications aimed at raising awareness and consciousness in healthy individuals,
- Special evaluation, analysis and activity programs for children, young or elderly individuals,
- Geriatric evaluation and geriatric physiotherapy and rehabilitation applications,
- Technology-supported measurement and evaluation and rehabilitation approaches in orthopedic physiotherapy and rehabilitation,
- Research and development activities on the methods used in orthopedic physiotherapy and rehabilitation and their effects.



FIELDS OF RESEARCH

Pediatric Physiotherapy and Rehabilitation

- Neurodevelopmental follow-up of at-risk infants, psychomotor assessments, assessment and treatment of children at risk and/or diagnosed with neuromotor delays and neurological and muscular diseases of the pediatric population
- Risky infants and neuromotor assessment methods
- Neurodevelopmental monitoring in infants at risk
- Physiotherapy and rehabilitation in cerebral palsy
- Physiotherapy and rehabilitation in spina bifida
- Physiotherapy and rehabilitation in Down syndrome



FIELDS OF RESEARCH

Pediatric Physiotherapy and Rehabilitation

- Physiotherapy and rehabilitation in neuromuscular diseases (Duchenne Muscular Dystrophy, Becker Muscular Dystrophy etc.),
- Physiotherapy and rehabilitation in neurometabolic syndromes,
- Physiotherapy and rehabilitation in torticollis,
- Physiotherapy and rehabilitation in obstetric brachial plexus injuries,
- Other neurological and metabolic diseases and rehabilitation.



FIELDS OF RESEARCH



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Sports Physiotherapy and Rehabilitation

- Prevention, treatment, and rehabilitation of musculoskeletal injuries in athletes,
- Assessment of sports injuries and determination of return-to-sport criteria,
- Planning and implementation of pre-operative and post-operative rehabilitation processes for athletes undergoing orthopedic surgery,
- Proprioception, balance, and neuromuscular control training for athletes,
- Planning rehabilitation processes and return-to-sport programs for child, adolescent, adult, and disabled athletes,
- Identifying injury risk factors through biomechanical analysis in athletes,
- Conducting scientific research and providing practical training through multidisciplinary collaborations,
- Evaluation of healthy individuals and providing personalized exercise counseling.



RESEARCH FACILITIES



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(LABORATORY INFRASTRUCTURE)

- Cardiac Rehabilitation Unit
- Chronic Diseases, Healthy Living and Physical Activity Counseling Center
- Hand Rehabilitation Unit
- Neurological Rehabilitation Unit
- Oncologic Rehabilitation Unit
- Orthopedic Rehabilitation Unit
- Pediatric Rehabilitation Unit
- Pulmonary Rehabilitation Unit
- Rheumatologic Rehabilitation Unit
- Sports Rehabilitation Unit
- Oral Motor Rehabilitation Unit



RESEARCH FACILITIES (LABORATORY INFRASTRUCTURE)

Hand Rehabilitation and Rheumatologic Rehabilitation Unit

- Minnesota manual dexterity test
- Jebsen Taylor hand function test
- Hydraulic hand dynamometer
- Hydraulic pinchmeter
- Semmes-Weinstein monofilament set
- Treadmill



FIELDS OF RESEARCH (LABORATORY INFRASTRUCTURE)



Cardiac and Pulmonary Rehabilitation Unit

- Cardiopulmonary exercise testing system
- Near infrared spectroscopy (NIRS)
- Treadmill
- Spirometer
- Physical activity monitors
- Bicycle ergometer
- Upper extremity bicycle ergometer
- ECG
- Physiotherapy and Rehabilitation equipments
- Physical activity monitors
- Balance assessment device
- Foot ergometer
- TENS Device
- Digital dynamometer
- Mouth pressure measurement device

RESEARCH FACILITIES (LABORATORY INFRASTRUCTURE)



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Neurological Rehabilitation Unit

- Balance Assessment and training device
- EMG
- Lifter, treadmill, stationary bike
- Physiotherapy and Rehabilitation equipment
- Balance and walking training equipment
- Blazepod balance and walking device
- Neuromuscular stimulation device



RESEARCH FACILITIES (LABORATORY INFRASTRUCTURE)



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Oncologic Rehabilitation Unit

- Muscle strength measuring device
- Handgrip strength measuring device
- Local tissue water percentage measuring device
- Treadmill
- Stethoscope
- TENS
- Electro goniometer
- Lymphoedema bandage pressure measuring device
- Inclinator device



RESEARCH FACILITIES (LABORATORY INFRASTRUCTURE)

Pediatric Rehabilitation Unit

- Inclinometer
- Bruininks Oseretsky Motor Proficiency Test-2
- Lazer Pointer



RESEARCH FACILITIES (LABORATORY INFRASTRUCTURE)



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Orthopedic Rehabilitation Unit

- Cervical range of motion measurement device (crom)
- Back range of motion instrument (brom)
- High-intensity vibrating roller
- Mechanical push/pull dynamometer (algometer)
- Baseline digital inclinometer
- Palpation meter
- Manual muscle tester
- Digital inclinometer
- Portable balance system
- Oscillating resistance bar



RESEARCH FACILITIES (LABORATORY INFRASTRUCTURE)

Sports Rehabilitation Unit

- Isokinetic system
- Surface electromyography (SEMG)
- Near infrared spectroscopy (NIRS)
- Gait and movement analysis
- Systemgnrb® knee arthrometer
- Whole body vibration device



QUOTA NUMBERS AND PROGRAM ADMISSION REQUIREMENTS FOR SPRING 2025/2026



SAGLIK
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QUOTA			SCORE TYPE	PROGRAM TYPE	SCORE CRITERIA		
MASTER'S DEGREE	DOCTORATE	FOREIGN NATIONAL MA/DR.			ALES SCORE/ *TUS*	FOREIGN LANGUAGE SCORE	GRADUATION GRADE (UNDERGRADUATE/ MA)
13		-	NUM.	MASTER'S DEGREE	70	65	2.70
	10	-	NUM.	DR.	70	65	2.70
UNDERGRADUATE PROGRAMS ADMITTING STUDENTS							
DOCTORATE	2925	PYSIOTHERAPY					
	2927	PYSIOTHERAPY AND REHABILITATION					
	1794	ANATOMY (MEDICINE)					
	2560	EXERCISE PHYSIOLOGY					
	2919	PHYSICAL MEDICINE AND REHABILITATION					
	7505	PHYSICAL THERAPY AND REHABILITATION					
	7503	PHYSICAL MEDICINE AND REHABILITATION ORTHOTICS-PROSTHETICS					
	2922	PHYSIOLOGY (MEDICINE)					
	3059	GERIATRIC PHYSIOTHERAPY					
	3113	REHABILITATION IN CHEST DISEASES					
	7443	OCCUPATIONAL THERAPY					
	3541	OCCUPATIONAL THERAPY					
	3662	CARDIOPULMONARY REHABILITATION					
	3668	CARDIOPULMONARY PHYSIOTHERAPY					
	3669	CARDIOPULMONARY PHYSIOTHERAPY AND REHABILITATION					
	7537	MUSCULOSKELETAL PHYSIOTHERAPY					
	4321	NEUROLOGICAL PHYSIOTHERAPY-REHABILITATION					
	4322	NEUROLOGICAL REHABILITATION					
	4461	ORTHOSIS-PROTHESIS					
	4467	ORTHOPAEDIC PHYSIOTHERAPY					
	8427	ORTHOPAEDIC PHYSIOTHERAPY AND REHABILITATION					
	4469	ORTHOPAEDIC REHABILITATION					
	8426	ORTHOPAEDIC AND MANIPULATIVE PHYSIOTHERAPY AND REHABILITATION					
	4982	RESPIRATORY CARE AND REHABILITATION					
	5036	RESPIRATORY CARE AND REHABILITATION SPORTS PHYSIOTHERAPIST					
MASTER'S DEGREE	7505	PHYSICAL THERAPY AND REHABILITATION					
	2927	PHYSIOTHERAPY AND REHABILITATION					
	2925	PYSIOTHERAPY					