

**International School of Medicine / Medicine (English)**

**2023 - 2024 Academic Year**

**MUSCULOSKELETAL BLOCK**

**Syllabus**

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
MUSCULOSKELETAL BLOCK	ISM5014626	Yearly	44+58	0	7
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Practice				
<b>Course Coordinator</b>	Prof.Dr. Aylin REZVANİ				
<b>Name of Lecturer(s)</b>	Prof.Dr. Tuğrul ÖRMECİ, Assoc.Prof. Sena TOLU, Assoc.Prof. Mehmet AĞIRMAN, Prof.Dr. İbrahim AZBOY, Prof.Dr. Aylin REZVANİ, Assoc.Prof. Bilgehan ÇATAL, Assist.Prof. Aybars TEKCAN, Assist.Prof. Ahmet ÜŞEN, Assist.Prof. Çağlayan ASLANBAŞ, Assist.Prof. Kadir UZEL, Prof.Dr. Ahmet Salim GÖKTEPE, Assist.Prof. Şadiye SARATAŞ, Assist.Prof. İknur TOPAL, Assoc.Prof. Levent BAYAM, Assist.Prof. Mehmet SOYARSLAN, Assoc.Prof. Erdiç GENÇ, Assist.Prof. Serhad BİLİM, Assist.Prof. Banu KARAALIOĞLU				
<b>Assistant(s)</b>					
<b>Aim</b>	The aim of this clerkship is; to provide understanding the evaluation and conservative treatment of patients with painful diseases of the musculoskeletal system, bone and soft tissue tumors, fractures, dislocations and limb muscle, nerve, tendon and soft tissue injuries that are frequently seen in pediatric and adult age and are the cause of significant morbidity and mortality, as well as patients with other congenital or acquired physical inabilities and disabilities, coordination of their rehabilitation, surgical treatment and care, and understanding how the individuals achieve the highest level of their physical functions.				
<b>Course Content</b>	This course contains; Orthopedics and Traumatology AND Physical Medicine and Rehabilitation Orientation ,Physical Medicine and Rehabilitation, Patient Evaluation ,clinical practice Lower extremity examination ,Physical therapy agents used in PM&R, Clinical practice Spine examination (neck, upper and lower back) ,Clinical practice Upper extremity examination ,Radiology Lower Extremity radiology, Knee Diseases ,Plaster Splint Applications ,Hand and Wrist Diseases ,Upper Extremity Fractures (T, A) ,Lower Extremity Fractures (T, A) ,Open Fractures and Compartment Syndrome (T, A) ,Radiology Upper Extremity Radiology, The Surgery of Shoulder and Elbow Diseases ,Shoulder Pain (CBL) ,Fracture Healing ,Foot and Ankle Diseases ,Fractures in Children (T, A) ,Dislocations and their Complications (T, A, K) ,Pelvis and Acetabulum Fractures (T, A) ,Approaching to Patients with Multiple Trauma (T, A) ,Joint and Bone Infections (ÖnT) ,Radiology Bone and Soft Tissue Tumors ,Bone Tumors (ÖnT, K) ,Soft Tissue Tumors (ÖnT, K) ,Complex Regional Pain Syndrome ,Radyoloji Spine (Neck, Upper Back, Lower Back), Mechanical Low Back Pain and Lumbar Disc herniation (T, T) ,Low Back Pain (CBL) ,neck and Upper Back Pain (CBL), Spinal Cord Injury Rehabilitation ,Spondylarthritis (ön-T) ,Spine Trauma ,Spine Deformities. ,Chronic Pain Syndrome (Fibromyalgia, myofascial pain syndrome, chronic fatigue syndrome) (T) ,Osteoporosis (ÖnT, K) ,Osteoarthritis (T, T, K, İ) ,Osteoarthritis Cases (T, T, K, İ) ,Surgery in Osteoarthritis (T, T, K, İ) ,Rehabilitation of Nerve and Tendon Injuries ,Surgery in Tenosynovitis (T, T) ,Developmental Hip Displasia, Approaching to the Limping Child and Pediatric Foot Disease (T, Cerebral Palsy ,Surgery of Tendon and Nerve Injuries ,Soft Tissue Rheumatism (T, T), Lymphedema and lipedema (T) ,Joint Pain and Swelling ,Joint Pain and Swelling Cases, Rheumatoid Arthritis (ÖnT) .				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
The first target of this internship is painful diseases of the musculoskeletal system, bone and soft tissue tumors, fractures, dislocations and extremity muscle, nerve, tendon and soft tissue injuries, polytraumas brought to the emergency room, and to inform students about the evaluation of patients with other congenital or acquired physical disabilities and disabilities, their conservative treatment, rehabilitation, surgery and coordination of care, and ensuring that the individual's physical functions reach the highest level. In addition, during the primary health care service of the graduated students, they can diagnose and treat these diseases in parallel with their level of education in UCEP, and perform emergency intervention, refer them to the higher level institution when necessary, provide consultancy on prevention methods and risk factors, follow the current literature, think scientifically and are ethical at every stage. is the training of physicians who act in accordance with the rules.			10, 16, 9	A, D	
<b>Teaching Methods</b>	10: Discussion Method, 16: Question - Answer Technique, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam, D: Oral Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Orthopedics and Traumatology AND Physical Medicine and Rehabilitation Orientation				
2	Physical Medicine and Rehabilitation				
3	Patient Evaluation				
4	clinical practice Lower extremity examination				
5	Physical therapy agents used in PM&R				
6	Clinical practice Spine examination (neck, upper and lower back)				
7	Clinical practice Upper extremity examination				
8	Radiology Lower Extremity radiology				
9	Knee Diseases				
10	Plaster Splint Applications				
11	Hand and Wrist Diseases				
12	Upper Extremity Fractures (T, A)				
13	Lower Extremity Fractures (T, A)				
14	Open Fractures and Compartment Syndrome (T, A)				
15	Radiology Upper Extremity Radiology				
16	The Surgery of Shoulder and Elbow Diseases				
17	Shoulder Pain (CBL)				
18	Fracture Healing				
19	Foot and Ankle Diseases				
20	Fractures in Children (T, A)				

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<b>Lecture Schedule</b>		
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>
21	Dislocations and their Complications (T, A,K)	
22	Pelvis and Acetabulum Fractures (T,A)	
23	Approaching to Patients with Multiple Trauma (T,A)	
24	Joint and Bone Infections (ÖnT)	
25	Radiology Bone and Soft Tissue Tumors	
26	Bone Tumors (ÖnT, K)	
27	Soft Tissue Tumors (ÖnT, K)	
28	Complex Regional Pain Syndrome	
29	Radyoloji Spine (Neck, Upper Back, Lower Back)	
30	Mechanical Low Back Pain and Lumbar Disc herniation (T,T)	
31	Low Back Pain (CBL)	
32	neck and Upper Back Pain (CBL)	
33	Spinal Cord Injury Rehabilitation	
34	Spondyloarthritis (ön-T)	
35	Spine Trauma	
36	Spine Deformities.	
37	Chronic Pain Syndrome (Fibromyalgia, miofascial pain syndrome, chronic fatigue syndrom) (T)	
38	Osteoporosis (ÖnT, K)	
39	Osteoarthritis (T, T, K, İ)	
40	Osteoarthritis Cases (T, T, K, İ)	
41	Surgery in Osteoarthritis (T, T, K, İ)	
42	Rehabilitation of Nerve and Tendon Injuries	
43	Surgery in Tenosinovitis (T,T)	
44	Developmental Hip Displasia	
45	Approaching to the Limping Child and Pediatric Foot Disease (T)	
46	Cerebral Palsy	
47	Surguery of Tendon and Nerve Injureys	
48	Soft Tissue Rheumatism (T,T)	
49	Lymphedema and lipedema (T)	
50	Joint Pain and Swelling	
51	Joint Pain and Swelling Cases	
52	Rheumatoid Arthritis (ÖnT)	
<b>Evaluation Methods</b>		<b>Weight(%)</b>
Midterm Exam		40
General Exam		60

<b>Resources</b>
1. Hasan Oğuz (ed), Medical rehabilitation (2015). Nobel Medical Bookstores. 2. Sebnem Ataman and Peyman Yalçın (ed), (2012). Nobel bookstore 3. David X. Cifu (ed), Braddom's Physical medicine and rehabilitation (2015). Elsevier