MUSCULOSKELETAL SYSTEM

PURPOSE

It is aimed to gain knowledge, skills and attitudes about the anatomical, histological, physiological properties of the structures that make up the human body, the anatomical and microstructure, localisation, tissue and cellular development of the structures of the locomotor system such as bone, joint and muscle, the dynamics of the musculoskeletal system, the general working principles of the musculoskeletal system, the physiological properties of these systems. LEARNING OUTCOMES

In terms of Clinical Sciences, students will have the listed learning outcomes.

1. Explain the working principles of muscle tissue,

2. Describe the general functional organisation of peripheral nerve tissue,

3. Apply skills such as physical examination of the lumbar spine, application of elastic bandages to the wrist and forearm, musculoskeletal X-ray evaluation and intramuscular injection on models.

4. Describe the basic biomechanical properties and disorders of the spine and peripheral joints,

5. Describe the signs and symptoms, causes, risk factors, etiopathogenesis, complications and differential diagnosis of inflammatory diseases affecting the musculoskeletal system,

6. Define laboratory and radiological tests used in the diagnosis of musculoskeletal diseases.

Contribution of the learning outcomes of the course to the learning outcomes of the programme

	<u>P01</u>	PO2	PO3	PO4	PO5	PO6	PO7	PO8
L01	1	1	1	4	1	5	2	1
LO2	1	1	1	4	1	5	2	1
LO3	1	1	1	4	1	5	2	1
LO4	5	4	2	4	2	4	5	2
LO5	5	4	2	4	2	4	5	2
LO6	5	5	2	2	2	4	5	2

	COMMITTEE II-	MUSCOSKELETAL (CLINICS) - 5 W	EEKS]
LECTURES	FACULTY	THEO.	PRAC.	TOTAL	
LECTORES	Recep Keşli, MD, Prof.Dr.		PRAC.	TOTAL	
		2			
MICROBIOLOGY	YAĞMUR EKENOĞLU MERDAN, Assist. Dr.	8	4	12	
	Görkem Yaman, Prof. Dr.	1			
PHARMACOLOGY	Rezzan Gülhan, MD, Prof.Dr. ATİLA KARAALP, MD, Prof.Dr.	<u> </u>		18	
MEDICAL BIOCHEMISTRY		6		6	
MEDICAL PATHOLOGY	D. Sema ARICI, MD,Prof.Dr.	3	3	11	
ORTHOPEDICS	Şadiye Mehtat Ünlü,MD,Prof.Dr. KENAN BAYRAKÇI,MD,Prof.Dr.	7		-	
PHYSICAL MEDICINE AND REHABILITATION	Saliha EROĞLU DEMİR, MD, Assoc. Prof.	4		4	
Introduction to Medical Practice	SERPIL YAYLACI, MD, Prof. Dr.		4	1	
TOPLAM		54	3	57	
		COMMITTEE II- MUSCOSKELET			
Nov. 27 - Dec. 1 18, 2023	Monday, November 27, 2023	Tuesday, November 28, 2023 Introduction to Autonomic Nervous	Wednesday, November 29, 2023	Thursday, November 30, 2023	Friday, December 1, 2023
08:30-09:15	INDEPENDENT LEARNING	Introduction to Autonomic Nervous System Pharmacology PHARMACOLOGY ATILA KARAALP, MD, Prof.Dr.	Parasympathetic Nervous System PHARMACOLOGY ATİLA KARAALP, MD, Prof.Dr.	Parasympathomimetics & Parasympatholytics PHARMACOLOGY ATİLA KARAALP, MD, Prof.Dr.	Sympathetic Nervous System PHARMACOLOGY ATİLA KARAALP, MD, Prof.Dr.
09:30-10:15	INDEPENDENT LEARNING	Introduction to Autonomic Nervous System Pharmacology PHARMACOLOGY ATILA KARAALP, MD, Prof.Dr.	Parasympathetic Nervous System PHARMACOLOGY ATİLA KARAALP, MD, Prof.Dr.	Parasympathomimetics & Parasympatholytics PHARMACOLOGY ATILA KARAALP, MD, Prof.Dr.	Sympathetic Nervous System PHARMACOLOGY ATİLA KARAALP, MD, Prof.Dr.
10:30-11:15	Campylobacter and Helicobacter MICROBIOLOGY Recep Keşii, MD, Prof.Dr.	Bone fracture healing MEDICAL PATHOLOGY ŞADİYE MEHTAT ÜNLÜ,MD,Prof.Dr.	Pseudomonas and Related Bacteria MICROBIOLOGY Yağmur Ekenoğlu Merdan, Assisst. Prof. Dr.	Pathology of artrilis MEDICAL PATHOLOGY ŞADİYE MEHTAT ÜNLÜ,MD,Prof.Dr.	Haemophilus and Related Bacteria MICROBIOLOGY YAĞMUR EKENOĞLU MERDAN, Assist. Dr.
11:30-12:15	Campylobacter and Helicobacter MICROBIOLOGY Recep Keşii, MD, Prof.Dr.	Osteomyelitis MEDICAL PATHOLOGY ŞADİYE MEHTAT ÜNLÜ,MD,Prof.Dr.	Pseudomonas and Related Bacteria MICROBIOLOGY Yağmur Ekenoğlu Merdan, Assisst. Prof. Dr.	INDEPENDENT LEARNING	Haemophilus and Related Bacteria MICROBIOLOGY YAĞMUR EKENOĞLU MERDAN, Assist. Dr.
LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK
13:30-14:15	Introduction to bone pathology MEDICAL PATHOLOGY ŞADİYE MEHTAT ÜNLÜ,MD,Prof.Dr.	INDEPENDENT LEARNING	Bone tumors MEDICAL PATHOLOGY ŞADİYE MEHTAT ÜNLÜ,MD,Prof.Dr.	INDEPENDENT LEARNING	
14:30-15:15	Metabolic bone diseases MEDICAL PATHOLOGY ŞADİYE MEHTAT ÜNLÜ,MD,Prof.Dr.	INDEPENDENT LEARNING	Soft Tissue Tumors MEDICAL PATHOLOGY ŞADİYE MEHTAT ÜNLÜ,MD,Prof.Dr.	INDEPENDENT LEARNING	Introduction to orthopedics, terminology, anamnesis and examination ORTHOPEDICS KENAN BAYRAKÇI,MD,Prof.Dr.
15:30-16:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Extremity Traumas approach to lowe extremity fractures ORTHOPEDICS KENAN BAYRAKÇI,MD,Prof.Dr.
16:30-17:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Extremity Treumas approach to uppe extremity fractures ORTHOPEDICS KENAN BAYRAKÇI,MD,Prof.Dr.
17:30-18:15	TDI101 - OFFLINE	ATA101 - OFFLINE	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
17.00-10.10					

Nov. 21 - 26, 2022	Monday, December 4, 2023	COMMITTEE II- MUSCOSKELETA Tuesday, December 5, 2023	Wednesday, December 6, 2023	Thursday, December 7, 2023	Friday, December 8, 2023
	Sympathomimetics & Sympatholytics	Drugs Affecting Autonomic Ganglia, Neuromuscular Junction & Skeletal	Evoluational hip dysplasia - Definition and diagnosis	Locomotor system examination Medical Education	
	PHARMACOLOGY ATILA KARAALP, MD, Prof.Dr.	Muscle Rela PHARMACOLOGY	ORTHOPEDICS KENAN BAYRAKÇI,MD,Prof.Dr.	Introduction to Medical Practice Serpil Yaylacı Group 4	
08:30-09:15		ATILA KARAALP, MD, Prof.Dr. Drugs Affecting Autonomic Ganglia,			
	Sympathomimetics & Sympatholytics PHARMACOLOGY ATILA	Neuromuscular Junction & Skeletal Muscle Rela	Spine deformities RTHOPEDICS	Locomotor system examination Medical Education	
09:30-10:15	KARAALP, MD, Prof.Dr.	PHARMACOLOGY ATİLA KARAALP. MD. Prof.Dr.	KENAN BAYRAKÇI,MD,Prof.Dr.	Introduction to Medical Practice Serpil Yaylacı Group 3	PHASE 1 EXAM
	Bordetella MICROBIOLOGY YAĞMUR EKENOĞLU MERDAN, Assist. Dr.	INDEPENDENT LEARNING	Legionella MICROBIOLOGY YAĞMUR EKENOĞLU MERDAN,	Locomotor system examination Medical Education Introduction to Medical Practice Serpil	
10:30-11:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Assist. Dr. Various Gram Negative bacilli MICROBIOLOGY	Yaylacı Group 2 Locomotor system examination Medical Education Introduction to Medical Practice Serpil	
11:30-12:15 LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	Görkem Yaman, Assist. Dr. LUNCH BREAK	Yaylacı Group 1 LUNCH BREAK	LUNCH BREAK
		Lab: Gram-negative bacteria	MUSCULOSKLETAL SYSTEM	Brucella and Francisella	
13:30-14:15	Muscle Biochemistry BIOCHEMISTRY Huri Dedeakayoğulları, Assoc. Prof. Dr.	MICROBIOLOGY YAĞMUR EKENOĞLU MERDAN, Assist. Dr. Gr1		MICROBIOLOGY YAĞMUR EKENOĞLU MERDAN, Assist. Dr.	Pharmacology of Pain Transm & Inflammation PHARMACOL Dr. Rezzan Gülhan
14:30-15:15	Biochemical Approach to Muscle Diseases BIOCHEMISTRY Huri Dedeakayoğulları, Assoc. Prof. Dr.	Lab: Gram-negative bacteria MICROBIOLOGY YAĞMUR EKENOĞLU MERDAN, Assist. Dr. Gr2		Brucella and Francisella MICROBIOLOGY YAĞMUR EKENOĞLU MERDAN, Assist. Dr.	Pharmacology of Pain Transm & Inflammation PHARMACOL Dr. Rezzan Gülhan
15:30-16:15	Connective Tissue Biochemistry BIOCHEMISTRY Huri Dedeakayoğulları, Assoc. Prof. Dr	Lab: Gram-negative bacteria MICROBIOLOGY YAĞMUR EKENOĞLU MERDAN, Assist. Dr. Gr3	LAB: Bone pathology MEDICAL PATHOLOGY Şadiya Mehtat ÜNLÜ,MD,Prof.Dr. Group 3	INDEPENDENT LEARNING	Physical Examination of th Musculoskeletal System PHYSICAL MEDICINE AND REHABILITATION Saliha EROĞLU DEMİR, MD, As Prof.
16:30-17:15	Biochemical Evaluation of Connective Tissue Diseases BIOCHEMISTRY Huri Dedeakayoğulları, Assoc. Prof. Dr.	Lab: Gram-negative bacteria MICROBIOLOGY YAĞMUR EKENOĞLU MERDAN, Assist. Dr. Gr4	LAB: Bone pathology MEDICAL PATHOLOGY Şadiya Mehtat ÜNLÜ,MD,Prof.Dr. Group 1	INDEPENDENT LEARNING	Musculoskeletal Symptoms, M Weakness, Chronic and Neurop Pain PHYSICAL MEDICINE AND REHABILITATION Saliha EROĞLU DEMİR, MD, As
17:30-18:15	TDI101 - OFFLINE	ATA101 - OFFLINE	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Prof. INDEPENDENT LEARNING
Nov 29 Dec 2 2022	Monday, December 11, 2023	COMMITTEE II- MUSCOSKELETA Tuesday, December 12, 2023	L (CLINICS) / WEEK III Wednesday, December 13, 2023	Thursday, December 14, 2022	Friday, December 15, 202
Nov 28 - Dec 2, 2022 08:30-09:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Thursday, December 14, 2023 INDEPENDENT LEARNING	Friday, December 15, 202
00-00-40-45	PATHOLOGY CASES: MUSCULOSKELETAL SYSTEM MEDICAL PATHOLOGY D. Sema ARICI, MD,Prof.Dr.	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	
09:30-10:15	PATHOLOGY CASES: MUSCULOSKELETAL SYSTEM MEDICAL PATHOLOGY D. Sema ARICI, MD,Prof.Dr.	Drugs Used in the Treatment of Rheumatic Diseases & Gout PHARMACOLOGY Dr. Rezzan Gülhan	INDEPENDENT LEARNING	INDEPENDENT LEARNING	
11:30-12:15	PATHOLOGY CASES: MUSCULOSKELETAL SYSTEM MEDICAL PATHOLOGY D. Sema ARICI, MD,Prof.Dr.	Drugs Used in the Treatment of Rheumatic Diseases & Gout PHARMACOLOGY Dr. Rezzan Gülhan	INDEPENDENT LEARNING	INDEPENDENT LEARNING	
LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	
LUNCH BREAK	LUNCH BREAK Non-Steroidal Anti Inflammatory Drugs PHARMACOLOGY Rezzan Gülhan	LUNCH BREAK Bone Biochemistry and Synovial Fluid BIOCHEMISTRY Huri Dedeakayoğulları, Assoc. Prof. Dr.	LUNCH BREAK	LUNCH BREAK	COMMITTEE EXAN
LUNCH BREAK 13:30-14:15	Non-Steroidal Anti Inflammatory Drugs PHARMACOLOGY Dr.	Bone Biochemistry and Synovial Fluid BIOCHEMISTRY Huri Dedeakayoğulları, Assoc. Prof.			COMMITTEE EXAN
13:30-14:15	Non-Steroidal Anti Inflammatory Drugs PHARMACOLOGY Dr.	Bone Biochemistry and Synovial Fluid BIOCHEMISTRY Huri Dedeakayoğulları, Assoc. Prof.			COMMITTEE EXAN
	Non-Steroidal Anti Inflammatory Drugs PHARMACOLOGY Rezzan Gülhan Non-Steroidal Anti Inflammatory Drugs PHARMACOLOGY Dr.	Bone Biochemistry and Synovial Fluid BIOCHEMISTRY Huri Dedeakayoğulları, Assoc. Prof. Dr. Biochemical Evaluation of Bone Diseases BIOCHEMISTRY Huri Dedeakayoğulları, Assoc. Prof.	INDEPENDENT LEARNING	INDEPENDENT LEARNING	COMMITTEE EXAM