

**ORTHOPEDICS AND TRAUMATOLOGY TRAINING PROGRAM**  
**(3 Weeks)**

**YEDİTEPE UNIVERSITY HOSPITAL**

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CLERKSHIP	<b>ORTHOPEDICS and TRAUMATOLOGY</b> <i>Aim of this clerkship is to;</i>
<b>AIM</b>	1. <b>convey</b> necessary knowledge on symptoms of congenital, acquired or traumatic clinical conditions related to musculoskeletal system, 2. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to detect clinical sings in clinical conditions related to musculoskeletal system, 3. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to employ diagnostic tools and treatment modalities in clinical conditions related to musculoskeletal system.
<i>At the end of this term, student should be able to:</i>	
<b>KNOWLEDGE</b>	1. <b>explain</b> anatomy and physiology of musculoskeletal system, besides pathology of clinical conditions related to musculoskeletal system
	2. <b>describe</b> diagnosis of traumatic, skeletal and soft tissue pathologies, and their management in emergency states
	3. <b>describe</b> congenital pediatric orthopedic problems and general treatment strategies
	4. <b>describe</b> physiopathological causes of degenerative disorders and optimal managements
	5. <b>describe</b> degenerative spinal disorders, spine deformities and traumatic spine disorders
	6. <b>explain</b> diagnostic and therapeutic modalities in sports injury
	7. <b>describe</b> classification, diagnosis and treatment modalities in musculoskeletal tumors
<b>SKILLS</b>	8. <b>perform</b> orthopedic examination of musculoskeletal system,
	9. <b>perform</b> first aid, wound care, bandaging, and management of temporary fracture stabilization, in case of fracture
<b>ATTITUDES</b>	10. <b>be aware of</b> importance of differentiation of musculoskeletal diseases and fractures,
	11. <b>make</b> guidance to patient about treatment,
	12. <b>have</b> good communication with patient and accompanying persons or care givers

## ASSESSMENT TABLE

This table shows question types and assessment methods/tools used in training program.

<b>Questions Types (Pencil-Paper Tests)</b>	<b>Proportion (in Pencil-Paper Tests)</b>
Multiple Choice Questions	80%
Extended Matching Questions	10%
Key Features	10%
<b>Total</b>	<b>100 %</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Other Assessments Methods and Tools)</b>
Oral Exam (OE)	50%
Mini Clinical Evaluation Exercise (Mini-CEX)	50%
<b>Total</b>	<b>100 %</b>
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail Decision)</b>
Pencil-Paper Tests	50%
Other Assessments Methods and Tools	50%
<b>Total</b>	<b>100 %</b>

**Week 1**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00-9:00	Introductory Session Introduction to Orthopedics and Traumatology <b>F. Altıntaş</b>	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Case Presentation (Student) or Ward Round or Preop-X Ray Round
9:00-12:00	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)
12:00-13:00	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
13:00-16:00	<b>Lecture</b> -Pelvis and Acetabular Fractures -Open Fractures and Wound Treatment <b>G. Meriç</b>	<b>Lecture</b> -Dislocations and Fractures of the Lower Extremity -Fractures of Children <b>T. Özler</b>	<b>Lecture</b> -Basic Principles of Fractures and Fracture Healing -Osteomyelitis and Septic Arthritis <b>O. Kocadal</b>	<b>Lecture</b> Benign and Malign Bone Tumors <b>O. Kocadal</b>	<b>Lecture</b> Spinal Trauma and Fractures <b>G. Meriç</b>
16:00-17:00	Clinical Skills Learning (Examination of Hip)	Clinical Skills Learning (Examination of Knee)	Clinical Skills Learning (Examination of Upper Extremity)	Clinical Skills Learning (Pediatric Examination)	Clinical Skills Training (Cast Application)
17:00-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Week 2**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00-9:00	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Case Presentation (Student) or Ward Round or Preop-X Ray Round
9:00-12:00	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)
12:00-13:00	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
13:00-16:00	<b>Lecture</b> Developmental Dysplasia of the Hip Perthes Disease Slipped Capital Femoral Epiphysis <b>O. Kocadal</b>	<b>Lecture</b> Metabolic Bone Diseases Avascular Bone Necrosis and Management in Adults <b>O. Kocadal</b>	<b>Lecture</b> Osteoarthritis and Arthroplasty <b>F. Altıntaş</b>	<b>Lecture</b> Shoulder and Elbow Problems Knee Problems in Sports Medicine and Arthroscopy Cartilage Biology and Injuries <b>T. Özler</b>	<b>Lecture</b> Scoliosis and Kyphosis Degenerative and Inflammatory Diseases of the Spine <b>G. Meriç</b>
16:00-17:00	Clinical Skills Training (Gait Evaluation)	Clinical Skills Training (Wound Management)	Clinical Skills Training (Management after Sports Injury)	Clinical Skills Training (Examination of Spine)	Clinical Skills Training (Examination of Cerebral Palsy)
17.00-18.00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Week 3**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00-9:00	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Case Presentation (Student) or Ward Round or Preop-X Ray Round	Assessment Session
9:00-12:00	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)	Clinical Experience (Outpatient/ Surgical)	
12:00-13:00	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
13:00-16:00	<b>Lecture</b> Congenital Anomalies of the Lower Extremity PEV <b>U. Şaylı</b>	<b>Lecture</b> Disorders of the Foot and Ankle <b>U. Şaylı</b>	<b>Lecture</b> Dislocations and Fractures of the Upper Extremity, Cerebral Palsy <b>O. Kocadal</b>	<b>Lecture</b> Microvascular Surgery and Replantations <b>G. Meriç</b>	Program Evaluation Session Review of the Exam Questions, Evaluation of the Program <b>T. Özler</b>
16:00-17:00	Clinical Skills Training (Evaluation of X-ray in Pediatric Orthopaedics)	Clinical Skills Training (Evaluation of X-ray in Tumors)	Clinical Skills Training (The Follow-up after Microsurgery )	Independent Learning	