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| **Clinical Education Program****Phase 2 / Year 4****2021-2022****Group 2****Musculoskeletal System Health and Related Disordersclerkship Program** |
| **Coordinators of Program**Assist. Prof. Ahmet Hamdi Akgülle & Assist. Prof. Canan ŞANAL TOPRAK |
| **Coordinator of Year 4**Assoc. Prof. Özge KENİŞ COŞKUN |
| **Vice Coordinator of Assessment**Prof. Hasan Raci Yananlı |  | **Vice Coordinator of Student Affairs**Assist. Prof. Can Erzik |
| **Chief Coordinator of Clinical Education**Prof. Dilek İNCE GÜNAL |
| **Co-Coordinator of Medical Education Program Evaluation and Development Commission** **(Undergraduate Program)** Prof. Harika Alpay  |
| **Vice Deans**Prof. Hasan Raci Yananlı Prof. A. Altuğ Çinçin |
| **Dean**Prof. Ümit S. Şehirli |

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| MUSM CLINICAL EDUCATION PROGRAM |
| LEARNING OUTOMES / COMPETENCIES1. **Clinical Care: Qualified patient care and community oriented health care**
2. Basic clinical skills
3. The organization and management of the patient and the patient care
4. The organization and the management of health care delivery services / system
5. Health promotion and disease prevention
6. **Medical Knowledge and Evidence-Based Medicine**
7. Appropriate information retrieval and management skills
8. The integration of knowledge, critical thinking and evidence-based decision making
9. Scientific methods and basic research skills
10. **Professional Attitudes and Values**
11. Communication skills and effective communication with patients / patient relatives
12. Interpersonal relationships and team working
13. Ethical and professional values, responsibilities
14. Individual, social and cultural values and responsibilities
15. Reflective practice and continuing development
16. Healthcare delivery systems, management and community oriented healthcare
17. Education and counseling
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| PHASE-2 LEARNING OBJECTIVES* Developing clinical problem solving, clinical reasoning and evaluation competencies by integrating biomedical, clinical, social and humanities knowledge,
* Competency acquisition in basic clinical skills by applications in real clinical settings.
* Taking care of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
* Acquisition competency in reflective thinking and practicing, being open to continuous individual / professional development.
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|  PHASES – 2 PROGRAMS |
| Orientation to Clinical Education (3 Weeks) |
| Internal Medicine Block (12 Weeks) |
| **Musculoskeletal Sys. Health and Related Disorders (6 Weeks)** |
| Nervous System & Mental Health and Related Disorders Clerkship Program(6 Weeks) |
| Sensory System (Dermatology, Ophthalmology, ENT) Health and Related Disorders Block (7 Weeks) |
| Life-Long Health Block (12 Weeks) |
| Surgical Diseases and Invasive Applications Block(10 Weeks) |
| Reproductive Health Block (12 Weeks) |
| Electives (12 Weeks) |
| Professionalism and Counseling Program(2 years longitudinal / vertical program) |
|  MUSCULOSKELETAL SYSTEM HEALTH & RELATED DISORDERS CLERKSHIP PROGRAM (6 WEEKS) |
| COORDINATOR DEPARTMENTSPhysical Medicine and Rehabilitation (PRM)\*Orthopaedics and Traumatology\*Rheumatology | SUPPORTER DEPARTMENTSPlastic & Reconstructive Surgery (PRS)\*Anatomy |
| LEARNING OBJECTIVES of CLERKSHIP PROGRAM* Analyzing problems, understanding decision making and problem solving processes by integrating knowledge related with musculoskeletal system health and related disorders.
* Gaining competencies in basic clinical skills
* Understanding patient, disease and health care process management
* Effective communication with patients, their relatives and health team; being open to collaboration and team work
* Taking care of professional, societal and individual values, and develop behaviors accordingly
* Taking care of patient and public benefit in medical practices by critical appraisal of the health systems and health policies
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|  ASSESSMENT SYSTEM**Summative assessment:*** Written exam at the end of clerkship (30% of final score)
* Structured oral exam or OSCE at the end of clerkship (50% of final score)
* Physical examination (20% of final score)

Students who cannot achieve 50% of the physical examination will not be accepted to the written and oral exam.* Bed-side assessment (pass/fail)

**Formative assessment:**Follow up of student’s competency development in basic clinical skills and observations/evaluations in clinical settings using guidelines for further planning.At the “**Reflection and Formative Assessment Session**”, by using these guidelines, students’ developmental levels were evaluated and shared with them.  |
|  PROGRAM EVALUATIONTwo evaluations are done; first at the end of the second week of the clerkship, second at the end of the clerkship. Evaluation during the clerkship is done orally; at the end of the clerkship, in addition to this, structured forms are used. For this evaluation, two forms - one for students and one for the teachers- are used. |
| READING/STUDYING MATERIALS1. Current Diagnosis & Treatment in Orthopedics, Ed: Harry B. Skinner
2. Physical Medicine and Rehabilitation, Ed: Braddom
3. Harrison's Principles of Internal Medicine, Rheumatology Section
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| **1. Week** |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| 09.00-09:40 | **Orientation to the program**Ahmet Hamdi Akgülle, MDCanan Şanal Toprak, MD(Program Coordinators) | **Outpatient clinic/Diagnostic Procedures\***PRM-Rheumatology-Algologyİlker Yağcı, MDCanan Şanal Toprak, MD | **Outpatient clinic/Diagnostic Procedures\***PRM-Rheumatology-Algologyİlker Yağcı, MDÖzge Keniş Coşkun, MD | **Outpatient Clinic** | **Outpatient clinic/Diagnostic Procedures\***PRM-Rheumatology-Algologyİlker Yağcı, MDÖzge Keniş Coşkun, MDCanan Şanal Toprak , MD |
| 10.00-10.40 | **Outpatient clinic** | **Outpatient clinic** | **Outpatient clinic**  | **Outpatient clinic** | **Outpatient clinic** |
| 11.00-12:00 | **Outpatient clinic** | **Outpatient clinic** | **Outpatient clinic** | **Outpatient clinic** | **Outpatient clinic** |
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| 13.30-14:00 | **Physical Examination Training - I**Musculoskeletal system examinationCanan Şanal Toprak, MDÖzge Keniş Coşkun, MD**Physical Examination Training - II**Musculoskeletal system examinationCanan Şanal Toprak, MDÖzge Keniş Coşkun, MD | **On-the-job learning and assessment session**Outpatient clinics of PRMPRMİlker Yağcı, MDTuncay Duruöz, MDEvrim Karadağ Saygı, MDÖzge Keniş Coşkun, MDCanan Şanal Toprak, MDSavaş Şencan, MDNuran Öz, MDSelin Çilli Hayıroğlu, MDAygün Özer, MDRekib Saçaklıdır, MDEkim Can Öztürk, MDMehmet Okçu, MD Şahin Azizov, MDSelda Çiftçi, MDBuket Süslü,MD | **Outpatient clinic** | **Outpatient clinic** | **Outpatient clinic** |
| 14:20-15.00 | **Interdisciplinary learning session**Assessment and management of patients with painSavaş Şencan, MDÖzge Keniş Coşkun, MDMehmet Tuncay Duruöz, MD |
| 15:20-16:00 | **Clinical Practice**History and Physical examination-ISavaş Şencan, MD | **Lecture**Osteoarthritisİlker Yağcı, MDGülseren Akyüz, MD | **Lecture**Principles of Rehabilitation MedicineGülseren Akyüz, MDEvrim Karadağ Saygı, MD | **Lecture**Living with OsteopororosisGülseren Akyüz, MDCanan Sanal Toprak, MD | **Lecture**Clinical Anatomy of Musculoskeletal System – IUral Verimli, MD |
| 16:20-17:00 | **Lecture**Musculoskeleletal Imagingİlker Yağcı, MDÖzge Keniş Coşkun, MD | **Lecture**Therapeutic Interventions in Physical Medicine and Rehabilitation Gülseren Akyüz, MDCanan Şanal Toprak, MD | **Lecture**Fibromyalgia, Myofascial Pain Syndrome and Other Soft Tissue Syndromes Gülseren Akyüz, MDSavaş Şencan, MD | **Lecture**Clinical Anatomy of Musculoskeletal System – IIUral Verimli, MD |

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| **2.Week** |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| 08.30-09.15 | **Outpatient Clinic** | **On-the-job learning and assessment session**Outpatient clinics of PRMPRMİlker Yağcı, MDTuncay Duruöz, MDEvrim Karadağ Saygı, MDÖzge Keniş Coşkun, MDCanan Şanal Toprak, MDSavaş Şencan, MDNuran Öz, MDSelin Çilli Hayıroğlu, MDAygün Özer, MDRekib Saçaklıdır, MDEkim Can Öztürk, MDMehmet Okçu, MD Şahin Azizov, MDSelda Çiftçi, MDBuket Süslü,MD | **Outpatient Clinic** | **Outpatient Clinic** | **Outpatient clinic**PRM-Rheumatology-Algology |
| 09.30-10.00 | **Outpatient Clinic** |
| 10:20-11.00 | **Outpatient Clinic** | **Outpatient Clinic** | **Outpatient Clinic** | **Outpatient Clinic** |
| 11.20-12.00 | **Outpatient Clinic** |
|  |
| 13.30-14.00 | **Outpatient Clinic** | **On-the-job learning and assessment session**Outpatient clinics of PRMPRMİlker Yağcı, MDTuncay Duruöz, MDEvrim Karadağ Saygı, MDÖzge Keniş Coşkun, MDCanan Şanal Toprak, MDSavaş Şencan, MDNuran Öz, MDSelin Çilli Hayıroğlu, MDAygün Özer, MDRekib Saçaklıdır, MDEkim Can Öztürk, MDMehmet Okçu, MD Şahin Azizov, MDSelda Çiftçi, MDBuket Süslü,MD | **Outpatient Clinic** | **Assessment of cases from outpatient clinics**İlker Yağcı, MD | **Outpatient Clinic** |
| 14.20-15.00 | **Lecture\***Low Back Pain –1Hakan Gündüz, MDSavaş Şencan, MD | **Outpatient Clinic** | **Outpatient Clinic** | **Reflection session and Midterm-evaluation**Evaluation of clerkship program and the 2-week training processAhmet Hamdi Akgülle, MDCAnan Şanal Toprak, MD | **Outpatient Clinic** |
| 15-20-16:00 | **Lecture**Low Back Pain – 2Hakan Gündüz, MDSavaş Şencan, MD | **Lecture**Rehabilitation of Stroke and Spinal Cord Injury - IIEvrim Karadağ Saygı, MDÖzge Keniş Coşkun | **Outpatient Clinic** | **Lecture**Pediatric rehabilitation- IEvrim Karadağ Saygı, MD | **Lecture**Immobilization and Complications Özge Keniş Coşkun, MDGülseren Akyüz, MD |
| 16:20-17:00 | **Lecture**Neck Pain Hakan Gündüz, MDSavaş Şencan, MD | **Lecture**Rehabilitation of Stroke and Spinal Cord Injury - IIEvrim Karadağ Saygı, MDÖzge Keniş Coşkun | **Lecture**Crystal-Related ArthropathiesTuncay Duruöz, MDİlker Yağcı, MD | **Lecture**Pediatric rehabilitation- IIEvrim Karadağ Saygı, MD | **Lecture**Case Discussions in Physical Medicine and Rehabilitation Canan Şanal Toprak, MD |

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| **3.Week** |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| 09.30-10.30 | **Bed-Side**Haner Direskeneli, MDPamir Atagündüz, MDNevsun İnanç, MDFatma Alibaz Öner, MD |  | **Bed-Side**Haner Direskeneli, MDPamir Atagündüz, MDNevsun İnanç, MDFatma Alibaz Öner, MD | **Bed-Side with fellows**Rheumatology fellowsHaner Direskeneli, MD | Reflection |
| 10.30-11.30 |  | **Bed-Side** |  |
|  |
| 14.00-15:00 | **Lecture**Approach to arthritisNevsun İnanç, MD |  | **Lecture**Laboratory and biomarkers in RheumatologyFatma Alibaz Öner, MD | **Lecture**Evidence-Based Medicine in RheumatologyHaner Direskeneli, MD | **Lecture**Acute Rheumatic FeverPamir Atagündüz, MD |
| 15:00-16:00 | **Lecture**Rheumatoid arthritisNevsun İnanç, MD | **Lecture**Spondyloarthropathies –IPamir Atagündüz, MD | **Lecture**EBM in RheumatologyHaner Direskeneli, MD | **Lecture**Spondyloarthropathies –IITuncay Duruöz, MDİlker Yağcı, MD |

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| **Outpatient clinic** |
| **Inpatient clinic** | Monday | Tuesday | Wednesday | Thursday | Friday |
| Operating Room | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD |
| 10.00-11.00 | **Clinical Practice**Orthopedic EmergenciesOrthopedicsAhmet Hamdi Akgülle, MD |
| 11.00-12.00 |  |
|  |
| 13.00-14.00 |  |  | **Clinical Practice**Reduction Techniques of common fractures and dislocations in orthopedicsOrthopedicsAhmet Hamdi Akgülle, MDEvrim Şirin, MDMert Topkar, MD | **Reflection session**Inpatient ClinicsTrauma PatientsOrthopedic MaterialsOrthopedicsAhmet Hamdi Akgülle, MD |  |
| 14.00-15.00 | **Lecture**Orthopaedic terminology, history and symptomatologyEvrim Şirin, MDKaan Irgıt, MD | **Lecture**Orthopedic management of OsteoarthritisEvrim Şirin, MDHasan Hilmi Muratlı, MD | **Clinical Tutorial**Orthopedic InfectionsOsteomyelitis/Septic ArthritisOrthopedicsAhmet Hamdi Akgülle, MD |  |
| 15.00-16.00 | **Lecture**Upper Extremity FracturesMert Topkar, MDEren Cansü,MD | **Lecture**Sports Medicine Shoulder-Elbow-Spinal İnjuriesMurat Bezer, MDMert Topkar,MD | **Clinical Tutorial**Bone Healing, complications, compartment syndromeEvrim Şirin, MD | **Lecture**Orthopaedic rehabilitationRehabilitation of Rheumatoid Arthritisİlker Yağcı, MDGülseren Akyüz, MD |

**1st group:** Outpatient clinic

**2nd group:** Inpatient clinic

**3rd group:** Operating Room

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| **5. Week** |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| 08.30-09.15 | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD |  |
| 09.15-10.00 | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD |
| 10.00-11.00 | **Clinical Practice**Skin Traction TrainingOrthopedicsAhmet Hamdi Akgülle, MDEvrim Şirin, MDMert Topkar, MD | **Reflection session**Radiologic Evaluation in OrthopedicsOrthopedicsHasan Hilmi Muratlı, MDBülent Erol, MDAhmet Hamdi Akgülle, MD |
| 11.00-12.00 |
|  |
| 13.00-14.00 | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Clinical Practice**Tumors-malign/benign radiologyBülent Erol, MDEvrim Şirin, MD |  |  |
| 14.00-15.00 | **Lecture**Hand İnjuriesEren Cansü, MDAhmet Hamdi Akgülle, MD | **Lecture**Pediatric Hip ProblemsHasan Hilmi Muratlı, MDAhmet Hamdi Akgülle, MD | **Lecture**Pediatric FracturesAhmet Hamdi Akgülle, MDEvrim Şirin, MD |
| 15.00-16.00 | **Lecture**Lower Extremity FracturesKaan Irgıt,MDAhmet Hamdi Akgülle, MD  | **Lecture**Spinal İnjuriesMurat Bezer, MDAhmet Hamdi Akgülle, MD | **Lecture**General features of Orthopedic TumorsBülent Erol, MDEvrim Şirin, MD | **Lecture**Pediatric Examination and Limping ChildHasan Hilmi Muratlı, MDAhmet Hamdi Akgülle, MD |

**1st group:** inpatient clinic

**2nd group:** operation room

**3rd group:** outpatient clinic

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| **6. Week** |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| 08.30-09.15 | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Clinical Practice**Splint practiceOrthopedicsMert Topkar, MDAhmet Hamdi Akgülle, MDEvrim Şirin, MD | **ASSESMENT** | **ASSESSMENT** |
| 09.15-10.00 |
| 10.00-11.00 |
| 11.00-12.00 |
|  |
| 13.00-14.00 | **Clinical practice**Sports injuries , physical examOrthopedicsKaan Irgıt, MDMert Topkar, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD | **Outpatient clinic****Inpatient clinic**Operating RoomEvrim Şirin, MDMert Topkar, MDAhmet Hamdi Akgülle, MDÖzgür Baysal, MDÖmer Sofulu, MDHayati Kart, MDYücel Ağırdil, MDMurat Kaya, MDOytun Derya Tunç, MDMustafa Aşansu, MD |  |  |
| 14.00-15.00 | **Lecture**Hand DisordersEren Cansü, MDEvrim Şirin, MD | **Reflection and Formative Assessment Session**Reflection on clinical/educational experiences and learning performances of studentsPRMOrthopedicsRheumatology | **PROGRAM EVALUATION**Evaluation of clerkship program and the 6-week training processAhmet Hamdi Akgülle, MDCanan Şanal Toprak, MD |
| 15.00-16.00 | **Lecture**Foot and Ankle DisordersKaan Irgıt, MDHasan Hilmi Muratlı, MD | **Lecture**Spinal DeformitiesMurat Bezer, MDAhmet Hamdi Akgülle, MD | **Lecture**Other Common Pediatric DisordersHasan Hilmi Muratlı, MDAhmet Hamdi Akgülle, MD |

**1st group:** operation room

**2nd group:** outpatient clinic

**3rd group:** inpatient clinic

\* Programda peş peşe sınıf dersi olan yerlerde her bir ders 60 dakika yerine 50 dakikadır, dersler arasında 10 dakika ara verilmelidir.

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| **C:\Users\Namariel\Desktop\Tıp Fakültesi - Logo - Türkçe.png** | PHASES-2 CLINICAL EDUCATION PROGRAMMUSCULOSKELETAL SYSTEM. HEALTH & RELATED DISORDERS CLERKSHIP PROGRAM | **C:\Users\Namariel\Desktop\Tıp Fakültesi-ingilizce.png** |
|  **ASSESSMENT METHODS / TOOLS & BLUEPRINT** |

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| **Session** | **Name of the Session** | **Session Hour** | Multiple Choice Question**(Clinical Knowledge)** | Case Based Multiple Choice Question or Modified Written Question**(Clinical Judgement)** | Case-structured Oral Examination **(Clinical Judgement and Evaluation)** | Assessment During Clinical and Practical Sessions**(Basic Clinical Skills)** |
| **Lecture** | Introduction to rehabilitation | 1 | 1 |  |  |  |
| Musculoskeletal system examination | 2 |  |  |  | OSCE, Bed-side Assessment |
| Osteopororosis | 1 |  | 1 case, 1-2 questions |  |  |
| Chronic Pain Syndromes | 1 | 1 |  |  |  |
| Immobilization | 1 | 1 |  |  |  |
| Musculoskeletal System Anatomy | 1 | 1 |  |  |  |
| Osteoarthritis | 1 |  | 1 case, 1-2 questions |  |  |
| Assessment and management of neck pain | 2 |  |  | 1-2 cases, 2-4 questions |  |
| Assessment and management of low back pain | 1 |  |  | 1-2 cases, 2-4 questions |  |
| Diagnostic procedures for musculoskeletal disorders | 1 |  | 1 case, 1-2 questions |  | OSCE, Bed-side Assessment |
| Rehabilitation of rheumatoid arthritis and other inflamatory disorders | 2 | 2 |  |  |  |
| Theuropatic interventions Physical therapy, Balneotherapy | 2 | 2 |  |  |  |
| Approach to arthritis | 1 | 1 |  |  |  |
| Rheumatoid arthritis | 1 | 1 |  | 1-2 cases, 2-4 questions |  |
| Reactive arthritis | 1 | 1 |  | 1-2 cases, 2-4 questions |  |
| Acute rheumatic fever | 1 | 1 |  |  |  |
| Spondyloarthropathies | 2 | 1 |  |  |  |
| Pediatric fractures | 2 | 1 |  |  |  |
| Spinal and Pelvic İnjuries | 2 | 1 |  |  |  |
| Upper Extremity Fractures | 2 |  |  | 1-2 cases, 2-4 questions |  |
| Lower Extremity Fractures | 1 |  |  | 1-2 cases, 2-4 questions |  |
| Orthopaedic rehabilitation | 1 | 1 |  |  |  |
| Sports Medicine - Knee-Foot İnjuries | 1 |  | 1 case, 1-2 questions |  |  |
| Sports Medicine - Shoulder-Elbow-Spinal İnjuries | 1 | 1 |  |  |  |
| General Features of Orthopaedic Tumors | 1 | 1 |  |  |  |
| Orthopedic management of Osteoarthritis | 1 | 1 |  |  |  |
| Pediatric Hip Problems |  |  |  |  |  |
| Other Common Pediatric Orthopedic Problems | 2 |  | 1 case, 1-2 questions |  |  |
| Basic principles of hand surgery | 1 | 1 |  |  |  |
| Bite and chewing disorders | 1 |  | 1 case, 1-2 questions |  |  |
| Pediatric rehabilitation | 2 | 1 |  |  |  |
| Hand Disorders | 1 | 1 |  |  |  |
| Bone Healing, complications, compartment syndrome | 1 | 1 | 1 case, 1-2 questions |  |  |
| Hand İnjuries | 1 |  |  | 1-2 cases, 2-4 questions |  |
| Spinal Deformities | 1 | 1 |  |  |  |
| Foot and Ankle Disorders | 1 | 1 |  |  |  |
| **TOTAL** | **45** | **25** | **7 cases, 7-14 questions** | **7-14 cases,** **14-28 questions** |  |
| **Interdis. Learning** | Assessment and management of patients with pain | 3 |  | 1 case, 1-2 questions | 1 cases, 1-2 questions |  |
| **TOTAL** | **3** |  | **1 case, 1-2 questions** | **1 cases, 1-2 questions** |  |
| **Clinical tutorial** | A case from inpatient clinics | 1 |  |  |  |  |
| Connective tissue disorders | 1 |  | 1 case, 1-2 questions | 1 cases, 1-2 questions |  |
| Orthopedic Infections Osteomyelitis/Septic Arthritis | 2 |  | 1 case, 1-2 questions | 1 cases, 1-2 questions |  |
| **TOTAL** | **4** |  | **2 cases, 2-4 questions** | **2 cases, 2-4 questions** |  |
| **Diagnostic proedures****Clinical Pratice** | History and Physical examination | 3 |  |  |  | MiniCEX |
| Musculoskeleletal Imaging | 2 |  | X | X | OSCE, Bed-side Assessment |
| Reduction Techniques of common fractures and dislocations in orthopedics | 3 |  | X | X |  |
| Skin Traction Training | 3 |  |  |  |  |
| Splint practice | 3 |  |  |  |  |
| **TOTAL** | **14** |  |  |  |  |
| **On-the-job learning and assessment** | PRM | 8 |  |  |  | MiniCEX |
| Rheumatology | 6 |  |  |  | MiniCEX |
| Orthopedics | 6 |  |  |  | MiniCEX |
| **TOTAL** | **20** |  |  |  |  |
| **TOTAL** | **87** | **25** | **10 cases 10-20 questions** | **10-14 cases****20-28 questions** |  |

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| **EXAM** | **END OF CLERKSHIP EXAM** | This exam has 3 stages:1. **Stage:** This stage is a practical exam about examination methods. **Lowest passing grade is %50 in this stage.**
2. **Stage:** This stage is a verbal exam about clinical knowledge. In this stage clinical desicion making (diagnostic process, diagnosis, differential diagnosis, management, ect.) of the student is tested.
3. **Stage:** Wriring exam with a multipl-choice quiz.
 |
| **EVALUATION OF DEVELOPMENT** | **OBSERVATION AND EVALUATION DURING CLERKSHIP:**Using the observation and evaluation forms, evaluation, monitoring and planning of the progress of the students towards basic medical abilities during the clerkship. |

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| **C:\Users\Namariel\Desktop\Tıp Fakültesi - Logo - Türkçe.png** | PHASES-2 CLINICAL EDUCATION PROGRAM MUSCULOSKE. SYSTEM HEALTH & RELATED DIS. PROG. | **C:\Users\Namariel\Desktop\Tıp Fakültesi-ingilizce.png** |
| **LIST OF MEDICAL PRACTICE** |
| Name of Block/ Clerkship | MUSCULOSKELETAL SYSTEM HEALTH&RELATED DISORDERS |
| Duration of Block/ Clerkship | 6 WEEKS |
| Departments to perform practice, observation and evaluation | Phsical Medicine and RehabilitaionOrthopaedics and TraumatologyRheumatology |
| Place to perform practice, observation and evaluation (outpatient clinic, inpatient clinic, intervention rooms, field, ect.) | Outpatient ClinicInpatient ClinicIntervention Rooms |

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| **MEDICAL PRACTICE** | **Asgari Uygulama/****GözlemSayısı ve Düzeyi[[1]](#footnote-1)** | **İş Başında Gözlem Ve Değerlendirme[[2]](#footnote-2)** |
|  | Sayı | Düzey |  |
| **Nitelikli hasta bakımı (**Poliklinikte, serviste) |  |  |  |
| Locomotor system examination | 10 | O |  |
| 5 | YY |  |
| 5 | YAY | 2 |
| **Tanı ve tedavi amaçlı işlemler ve değerlendirme** |  |  |  |
| First aid in muculoskeletal system injuries | 2 | YY |  |
| Bandaj uygulaması | 2 | YY |  |
| Splinting | 2 | YY |  |
| **Girişimsel uygulamalar** |  |  |  |
|  |  |  |  |
| **Araştırma, Proje** |  |  |  |
| Makale okuma, yorumlama | 1 | YAY | 1 |

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| **PROGRAMLA İLGİLİ KISA AÇIKLAMA ve TEŞEKKÜR** |
| Yaklaşık 2 yıllık bir süre içinde tamamlanan bu programın geliştirilmesine katkı veren, aşağıda sıralanan öğretim üyelerine, öğrencilere ve anabilim dallarına gösterdikleri yoğun emeklerinden dolayı teşekkür ederiz.**Klinik Eğitim Programı Yeniden Yapılandırma Süreci Koordinatörleri****Dr. M. Ali GÜLPINAR, Dr. Berrak Ç. YEĞEN, Dr. Sibel KALAÇA, Dr. Hasan F. BATIREL****Staj Çalışma Grubu Üyeleri:**Dr. Gülseren AKYÜZ, FTR (Staj Çalışma Grubu Koordinatörü)Dr. İlker YAĞCI, FTR (Staj Çalışma Grubu Raportörü)Dr. Hakan GÜNDÜZ, FTRDr. Murat BEZER, Ortopedi TravmatolojiDr. Bülent EROL, Ortopedi ve TravmatolojiDr. Haner DİRESKENELİ, RomatolojiDr. Ömer AYANOĞLU, Anesteziyoloji ve ReanimasyonDr. Ümit ŞEHİRLİ, AnatomiHasan AVCI, ÖğrenciAli KOCABAŞ, Öğrenci**Katkı Veren Anabilim Dalları:**Fizik Tedavi ve RehabilitasyonOrtopedi ve TravmatolojiRomatolojiPlastik ve Rekonstruktif CerrahiAnatomi |

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| **İLETİŞİM ADRESİ / CORRESPONDENCE ADRESS** |
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1. Bu sütunda bir öğrencinin staj boyunca yapması gereken minimum uygulama belirtilir. Ayrıca eğitim dönemine göre uygulamanın düzeyi (G: Gözleme, YY: Yardımla yapma, YAY: Yardım almadan yapma) belirlenir. [↑](#footnote-ref-1)
2. Bu sütunda, bir önceki sütunda sıralanan uygulamalardan kaç tanesinin öğretim elamanı tarafından, hazırlanan değerlendirme formu kullanılarak, gözleneceği ve değerlendirileceği belirtilir. [↑](#footnote-ref-2)