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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 / COMPETENCIES   1. **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 | |
| 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. | |
| 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 DEPARTMENTS  Physical Medicine and Rehabilitation (PRM)  \*  Orthopaedics and Traumatology  \*  Rheumatology | SUPPORTER DEPARTMENTS  Plastic & 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 | |
| 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 EVALUATION  Two 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 MATERIALS   1. 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, MD  Canan Şanal Toprak, MD  (Program Coordinators) | **Outpatient clinic/Diagnostic Procedures\***  PRM-Rheumatology-Algology  İlker Yağcı, MD  Canan Şanal Toprak, MD | **Outpatient clinic/Diagnostic Procedures\***  PRM-Rheumatology-Algology  İlker Yağcı, MD  Özge Keniş Coşkun, MD | **Outpatient Clinic** | **Outpatient clinic/Diagnostic Procedures\***  PRM-Rheumatology-Algology  İlker Yağcı, MD  Özge Keniş Coşkun, MD  Canan 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** |
|  | | | | | |
| 13.30-14:00 | **Physical Examination Training - I**  Musculoskeletal system examination  Canan Şanal Toprak, MD  Özge Keniş Coşkun, MD  **Physical Examination Training - II**  Musculoskeletal system examination  Canan Şanal Toprak, MD  Özge Keniş Coşkun, MD | **On-the-job learning and assessment session**  Outpatient clinics of PRM  PRM  İlker Yağcı, MD  Tuncay Duruöz, MD  Evrim Karadağ Saygı, MD  Özge Keniş Coşkun, MD  Canan Şanal Toprak, MD  Savaş Şencan, MD  Nuran Öz, MD  Selin Çilli Hayıroğlu, MD  Aygün Özer, MD  Rekib Saçaklıdır, MD  Ekim Can Öztürk, MD  Mehmet Okçu, MD  Şahin Azizov, MD  Selda Çiftçi, MD  Buket Süslü,MD | **Outpatient clinic** | **Outpatient clinic** | **Outpatient clinic** |
| 14:20-15.00 | **Interdisciplinary learning session**  Assessment and management of patients with pain  Savaş Şencan, MD  Özge Keniş Coşkun, MD  Mehmet Tuncay Duruöz, MD |
| 15:20-16:00 | **Clinical Practice**  History and Physical examination-I  Savaş Şencan, MD | **Lecture**  Osteoarthritis  İlker Yağcı, MD  Gülseren Akyüz, MD | **Lecture**  Principles of Rehabilitation Medicine  Gülseren Akyüz, MD  Evrim Karadağ Saygı, MD | **Lecture**  Living with Osteopororosis  Gülseren Akyüz, MD  Canan Sanal Toprak, MD | **Lecture**  Clinical Anatomy of Musculoskeletal System – I  Ural Verimli, MD |
| 16:20-17:00 | **Lecture**  Musculoskeleletal Imaging  İlker Yağcı, MD  Özge Keniş Coşkun, MD | **Lecture**  Therapeutic Interventions in Physical Medicine and Rehabilitation  Gülseren Akyüz, MD  Canan Şanal Toprak, MD | **Lecture**  Fibromyalgia, Myofascial Pain Syndrome and Other Soft Tissue Syndromes Gülseren Akyüz, MD  Savaş Şencan, MD | **Lecture**  Clinical Anatomy of Musculoskeletal System – II  Ural 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 PRM  PRM  İlker Yağcı, MD  Tuncay Duruöz, MD  Evrim Karadağ Saygı, MD  Özge Keniş Coşkun, MD  Canan Şanal Toprak, MD  Savaş Şencan, MD  Nuran Öz, MD  Selin Çilli Hayıroğlu, MD  Aygün Özer, MD  Rekib Saçaklıdır, MD  Ekim Can Öztürk, MD  Mehmet Okçu, MD  Şahin Azizov, MD  Selda Çiftçi, MD  Buket 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 PRM  PRM  İlker Yağcı, MD  Tuncay Duruöz, MD  Evrim Karadağ Saygı, MD  Özge Keniş Coşkun, MD  Canan Şanal Toprak, MD  Savaş Şencan, MD  Nuran Öz, MD  Selin Çilli Hayıroğlu, MD  Aygün Özer, MD  Rekib Saçaklıdır, MD  Ekim Can Öztürk, MD  Mehmet Okçu, MD  Şahin Azizov, MD  Selda Çiftçi, MD  Buket Süslü,MD | **Outpatient Clinic** | **Assessment of cases from outpatient clinics**  İlker Yağcı, MD | **Outpatient Clinic** |
| 14.20-15.00 | **Lecture\***  Low Back Pain –1  Hakan Gündüz, MD  Savaş Şencan, MD | **Outpatient Clinic** | **Outpatient Clinic** | **Reflection session and Midterm-evaluation**  Evaluation of clerkship program and the 2-week training process  Ahmet Hamdi Akgülle, MD  CAnan Şanal Toprak, MD | **Outpatient Clinic** |
| 15-20-16:00 | **Lecture**  Low Back Pain – 2  Hakan Gündüz, MD  Savaş Şencan, MD | **Lecture**  Rehabilitation of Stroke and Spinal Cord Injury - II  Evrim Karadağ Saygı, MD  Özge Keniş Coşkun | **Outpatient Clinic** | **Lecture**  Pediatric rehabilitation- I  Evrim Karadağ Saygı, MD | **Lecture**  Immobilization and Complications  Özge Keniş Coşkun, MD  Gülseren Akyüz, MD |
| 16:20-17:00 | **Lecture**  Neck Pain  Hakan Gündüz, MD  Savaş Şencan, MD | **Lecture**  Rehabilitation of Stroke and Spinal Cord Injury - II  Evrim Karadağ Saygı, MD  Özge Keniş Coşkun | **Lecture**  Crystal-Related Arthropathies  Tuncay Duruöz, MD  İlker Yağcı, MD | **Lecture**  Pediatric rehabilitation- II  Evrim 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, MD  Pamir Atagündüz, MD  Nevsun İnanç, MD  Fatma Alibaz Öner, MD |  | **Bed-Side**  Haner Direskeneli, MD  Pamir Atagündüz, MD  Nevsun İnanç, MD  Fatma Alibaz Öner, MD | **Bed-Side with fellows**  Rheumatology fellows  Haner Direskeneli, MD | Reflection |
| 10.30-11.30 |  | **Bed-Side** |  |
|  | | | | | | |
| 14.00-15:00 | **Lecture**  Approach to arthritis  Nevsun İnanç, MD |  | **Lecture**  Laboratory and biomarkers in Rheumatology  Fatma Alibaz Öner, MD | **Lecture**  Evidence-Based Medicine in Rheumatology  Haner Direskeneli, MD | **Lecture**  Acute Rheumatic Fever  Pamir Atagündüz, MD |
| 15:00-16:00 | **Lecture**  Rheumatoid arthritis  Nevsun İnanç, MD | **Lecture**  Spondyloarthropathies –I  Pamir Atagündüz, MD | **Lecture**  EBM in Rheumatology  Haner Direskeneli, MD | **Lecture**  Spondyloarthropathies –II  Tuncay Duruöz, MD  İlker Yağcı, MD |

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| **Outpatient clinic** | | | | | |
| **Inpatient clinic** | Monday | Tuesday | Wednesday | Thursday | Friday |
| Operating Room | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD |
| 10.00-11.00 | **Clinical Practice**  Orthopedic Emergencies  Orthopedics  Ahmet Hamdi Akgülle, MD |
| 11.00-12.00 |  |
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| 13.00-14.00 |  |  | **Clinical Practice**  Reduction Techniques of common fractures and dislocations in orthopedics  Orthopedics  Ahmet Hamdi Akgülle, MD  Evrim Şirin, MD  Mert Topkar, MD | **Reflection session**  Inpatient Clinics  Trauma Patients  Orthopedic Materials  Orthopedics  Ahmet Hamdi Akgülle, MD |  |
| 14.00-15.00 | **Lecture**  Orthopaedic terminology, history and symptomatology  Evrim Şirin, MD  Kaan Irgıt, MD | **Lecture**  Orthopedic management of Osteoarthritis  Evrim Şirin, MD  Hasan Hilmi Muratlı, MD | **Clinical Tutorial**  Orthopedic Infections  Osteomyelitis/Septic Arthritis  Orthopedics  Ahmet Hamdi Akgülle, MD |  |
| 15.00-16.00 | **Lecture**  Upper Extremity Fractures  Mert Topkar, MD  Eren Cansü,MD | **Lecture**  Sports Medicine  Shoulder-Elbow-Spinal İnjuries  Murat Bezer, MD  Mert Topkar,MD | **Clinical Tutorial**  Bone Healing, complications, compartment syndrome  Evrim Şirin, MD | **Lecture**  Orthopaedic rehabilitation  Rehabilitation of Rheumatoid Arthritis  İlker Yağcı, MD  Gülseren 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 Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD |  |
| 09.15-10.00 | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD |
| 10.00-11.00 | **Clinical Practice**  Skin Traction Training  Orthopedics  Ahmet Hamdi Akgülle, MD  Evrim Şirin, MD  Mert Topkar, MD | **Reflection session**  Radiologic Evaluation in Orthopedics  Orthopedics  Hasan Hilmi Muratlı, MD  Bülent Erol, MD  Ahmet Hamdi Akgülle, MD |
| 11.00-12.00 |
|  | | | | | |
| 13.00-14.00 | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Clinical Practice**  Tumors-malign/benign radiology  Bülent Erol, MD  Evrim Şirin, MD |  |  |
| 14.00-15.00 | **Lecture**  Hand İnjuries  Eren Cansü, MD  Ahmet Hamdi Akgülle, MD | **Lecture**  Pediatric Hip Problems  Hasan Hilmi Muratlı, MD  Ahmet Hamdi Akgülle, MD | **Lecture**  Pediatric Fractures  Ahmet Hamdi Akgülle, MD  Evrim Şirin, MD |
| 15.00-16.00 | **Lecture**  Lower Extremity Fractures  Kaan Irgıt,MD  Ahmet Hamdi Akgülle, MD | **Lecture**  Spinal İnjuries  Murat Bezer, MD  Ahmet Hamdi Akgülle, MD | **Lecture**  General features of Orthopedic Tumors  Bülent Erol, MD  Evrim Şirin, MD | **Lecture**  Pediatric Examination and Limping Child  Hasan Hilmi Muratlı, MD  Ahmet 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 Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Clinical Practice**  Splint practice  Orthopedics  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Evrim 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 exam  Orthopedics  Kaan Irgıt, MD  Mert Topkar, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD | **Outpatient clinic**  **Inpatient clinic**  Operating Room  Evrim Şirin, MD  Mert Topkar, MD  Ahmet Hamdi Akgülle, MD  Özgür Baysal, MD  Ömer Sofulu, MD  Hayati Kart, MD  Yücel Ağırdil, MD  Murat Kaya, MD  Oytun Derya Tunç, MD  Mustafa Aşansu, MD |  |  |
| 14.00-15.00 | **Lecture**  Hand Disorders  Eren Cansü, MD  Evrim Şirin, MD | **Reflection and Formative Assessment Session**  Reflection on clinical/educational experiences and learning performances of students  PRM  Orthopedics  Rheumatology | **PROGRAM EVALUATION**  Evaluation of clerkship program and the 6-week training process  Ahmet Hamdi Akgülle, MD  Canan Şanal Toprak, MD |
| 15.00-16.00 | **Lecture**  Foot and Ankle Disorders  Kaan Irgıt, MD  Hasan Hilmi Muratlı, MD | **Lecture**  Spinal Deformities  Murat Bezer, MD  Ahmet Hamdi Akgülle, MD | **Lecture**  Other Common Pediatric Disorders  Hasan Hilmi Muratlı, MD  Ahmet 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 PROGRAM  MUSCULOSKELETAL 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 Rehabilitaion  Orthopaedics and Traumatology  Rheumatology | |
| Place to perform practice, observation and evaluation (outpatient clinic, inpatient clinic, intervention rooms, field, ect.) | | Outpatient Clinic  Inpatient Clinic  Intervention 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, FTR  Dr. Murat BEZER, Ortopedi Travmatoloji  Dr. Bülent EROL, Ortopedi ve Travmatoloji  Dr. Haner DİRESKENELİ, Romatoloji  Dr. Ömer AYANOĞLU, Anesteziyoloji ve Reanimasyon  Dr. Ümit ŞEHİRLİ, Anatomi  Hasan AVCI, Öğrenci  Ali KOCABAŞ, Öğrenci  **Katkı Veren Anabilim Dalları:**  Fizik Tedavi ve Rehabilitasyon  Ortopedi ve Travmatoloji  Romatoloji  Plastik ve Rekonstruktif Cerrahi  Anatomi |

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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)