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| **Clinical Education Program**  **Phase 2 / Year 5**  **2022-2023**  **Group 2**  **Nervous System & Mental and Related Disorder Clerkship Program** | | |
| **Coordinators of Program**  Assoc. Prof. Ferhat Harman | | |
| **Coordinator of Year 5**  Prof. Ela Erdem Eralp | | |
| **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, M.D. | | |
| **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 EDUCATIONPROGRAM** |
| LEARNING OUTOMES /COMPETENCIES  **A. Clinical Care**: Qualified patient care and community-oriented healthcare   1. Basic clinical skills 2. The organization and management of the patient and the patient care 3. The organization and the management of health care delivery services /system 4. Health promotion and disease prevention   **B. Medical Knowledge and Evidence-Based Medicine**   1. Appropriate information retrieval and management skills 2. The integration of knowledge, critical thinking and evidence-based decision making 3. Scientific methods and basic research skills   **C. Professional Attitudes and Values**   1. Communication skills and effective communication with patients / patient relatives 2. Interpersonal relationships and teamworking 3. Ethical and professional values, responsibilities 4. Individual, social and cultural values and responsibilities 5. Reflective practice and continuing development 6. Healthcare delivery Systems, Management and community-oriented healthcare 7. 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.  **PROGRAM SUMMARY**  **Neurology**  Lecture: 14 hours  Clinical tutorial: 7 hours  On the job learning: 20 hours  Bedside: 8 hours  Educational meeting: 6 hours  Diagnostic procedures: 1 hour  Reflection:1 hour  **Total: 57 hours**  **Psychiatry**  Lecture: 19 hours  Clinical tutorial: 11 hours  On the job learning: 22 hours  Seminar: 4 hours  Grand Visit: 2 hours  Diagnostic procedures: 1 hour  Reflection session: 1 hour  **Total: 60 hours**  **Neurosurgery**  Lecture: 21 hours  Clinical tutorial: 2 hours  On the job learning: 28 hours  Diagnostic procedures: 1 hours  Reflection session: 1 hour  **Total: 55 hours**  **Multidisciplinary approach: 2 hours**  **Whole. 174 hours** |

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| **NERVOUS SYS. - MENTAL HEALTH and RELATED DISORDERS CLERKSHIP PROGRAM** (7WEEK) | |
| COORDINATOR DEPARTMENTS  Nöroloji /Neurology  Ruh Sağlığı ve Hastalıkları /Psychiatry  Beyin ve SinirCerrahisi /Neurosurgery  FACULTY / ÖĞRETİM ÜYELERİ  Neurology/Nöroloji  Barış Işak, MD  Dilek İnce Günal, MD  Gülin Sunter, MD  Hatice Ömercikoğlu Özden, MD  İpek Midi, MD  Kadriye Ağan Yıldırım, MD  Tülin Tanrıdağ, MD  Psychiatry/ Psikiyatri  Ayşe Sakallı Kani, MD  Kemal Sayar, MD  Mesut Yıldız, MD  Neşe Turan Yurtsever, MD  Neşe Yorguner, MD  Ömer Yanartaş, MD  Yıldız Akvardar, MD, PhD | Neurosurgery/Nöroşirurji  Adnan Dağçınar, MD  Fatih Bayraklı, MD  Ferhat Harman, MD  İbrahim Ziyal, MD  Mustafa Sakar, MD  Yahya Güvenç  SUPPORTERDEPARTMENTS  Infectious Diseases  Physical Medicine and Rehabilitation (PRM  Plastic& Reconstructive Surgery (PRS)  Public Health  Chest Medicine  Forensic Medicine |
| TÜM PROGRAMLAR İÇİN ORTAK ANABİLİM DALLARI /LINES  Pathology Radiology | |
| LEARNING OBJECTIVES of CLERKSHIP PROGRAM   * Analyzing problems, understanding decision making and problem-solving processes by integrating knowledge related with nervous system-mental health and related disorders. * Gaining competencies in basic clinical skills * Understanding patient, disease and healthcare process management * Effective communication with patients, their relatives and health team; being open to collaboration and teamwork * 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 (70% of final score)  Structured oral exam at the end of clerkship (30% of final score)  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.  PROGRAMEVALUATION  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 clerk ship, in addition to this, structured forms are used. For this evaluation, two forms - one for students and one for the teachers- aroused. | |

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| **Phase-2 Clinical Education Program**  **Lifelong Healt program** | | | |
| **NERVOUS SYS. - MENTAL HEALTH and RELATED DISORDERS CLERKSHIP PROGRAM (7WEEK)** | | | |
|  | **Neurology** | **Psychiatry** | **Neurosurgery** |
| **Lecture** | **14** | **19** | **19** |
| **Clinical tutorial** | **7** | **11** | **2** |
| **On the job learning** | **20** | **22** | **28** |
| **Seminar** | **-** | **4** | **-** |
| **Bedside** | **8** | **-** | **-** |
| **Ground visit** | **-** | **2** | **-** |
| **Diagnostic procedures** | **1** | **1** | **4** |
| **Reflection session** | **1** | **1** | **1** |
| **Educational meeting** | **6** | **-** | **-** |
| **Multidisiplinary section** | **2** | **2** | **1** |
| **Total** | **59** | **62** | **55** |

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| **MARMARA UNIVERSITY SCHOOL OFMEDICINEPHASES-2 CLINICAL EDUCATIONPROGRAM GROUP 4**  **NERVOUS SYS. – MENTAL HEALTH and RELATED DIS. CLERKSHIPPROG.** |

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| **1st WEEK: Sep. 5th-9th** | | | | | |
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|  | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
|  | 09.00-09.20  Bedside:Introduction and orientation for the course  Kadriye Ağan Yıldırım MD | 09.00-10.30  Bedside: Cranial nerves  İpek Midi MD/ Gülin Sünter MD Berin Gülatar Türkoğlu MD | 09.00-09.45-  Bedside: Cerebellar system exam  Dilek İnce Günal MD/ Kadriye Ağan Yıldırım MD/ Hatice Ömercikoğlu Özden MD | **09.00-10.30**  **On-the-job learning and assessment session**  **(inpatient/outpatient )**  **Neurology** | **09.00-12.00**  **On-the-job learning and assessment session**  **(inpatient/outpatient )**  **Neurology** |
| 09.40-10.30  Lecture: Approach to the neurologic patient  Gülin Sunter MD | 10.00-10.50  Bedside: Extrapyramidal system exam  Dilek İnce Günal MD/ Kadriye Ağan Yıldırım MD/ Hatice Ömercikoğlu Özden MD | 11.00-11.50  Lecture: Acute confusional state  İpek Midi MD/ Kadriye Ağan Yıldırım MD |
| 11.00-11.50  Lecture: Mental status examination  Hatice Ömercikoğlu Özden MD | 11.00-12.00  Bedside: Motor examination  Barış Işak MD/ Hatice Ömercikoğlu Özden MD / Berin Gülatar Türkoğlu MD | 11.00-11.50  Bedside: Sensory examination  Barış İşak / Gülin Sünter MD / Berin Gülatar Türkoğlu MD |
|  | 13.30-13.50  Diagnostic procedures:  (ex: Lumbar puncture & Neuroophtalmologic examination &EMG & EEG)  Dilek İnce Günal MD | 13.00-13.50  Lecture: Cerebrovascular disease- İpek Midi MD/ Hatice Ömercikoğlu Özden MD | **13.30-15.30**  **On the job learning (inpatient/outpatient )** | 13.00-17.00  Neurology department weekly educational meeting | 14.00-14.50  Lecture: Coma  Gülin Sünter MD / Hatice Ömercikoğlu Özden MD |
| 14.00-14.50  Clinical Tutorial- Case presentations in Cerebrovascular disease  İpek Midi MD/ Hatice Ömercikoğlu Özden MD |

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| **2nd WEEK: Sep. 12th-12th** | | | | | |
|  | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
|  | **09.00-10.30**  **On-the-job learning and assessment session**  **Neurology** | **09.00-12.00**  **On-the-job learning and assessment session**  **Neurology** | **09.00-12.00**  **On-the-job learning and assessment session**  **Neurology** | **09.00-10.30**  **On-the-job learning and assessment session**  **Neurology** | 09.00-09.50  Lecture  Myasthenia Gravis  Tülin Tanrıdağ MD |
| 10.00-10.50  Clinical tutorial: Neuromuscular disease  Tülin Tanrıdağ MD |
|  | 11.00-11.50  Lecture: Sleep and its disorders  Kadriye Ağan Yıldırım MD/ Gülin Sünter MD | 11.00-11.50  Lecture: Epilepsy  Kadriye Ağan Yıldırım MD/  İpek Midi MD | 11.00-11.50  Clinical Tutorial: Headache  Tülin Tanrıdağ MD |
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|  | **13.30-15.30**  **On-the-job learning and assessment session**  **(inpatient/ outpatient)**  **Neurology** | 13.00-13.50  Lecture  Demyelinating Disease  Gülin Sünter MD/  Kadriye Ağan Yıldırım MD /  Dilek İnce Günal MD | 13.00-13.50  Lecture: Movement disorders  Dilek İnce Günal MD/ Hatice Ömercikoğlu Özden MD | Neurology department weekly  educational meeting | **14.00-15.30**  **On-the-job learning**  **and assessment session**  **(inpatient/ outpatient)**  **Neurology** |
|  | 14.00-14.50  Clinical tutorial: Case presentations in MS & related disorders  Dilek ince Günal MD/ Kadriye Ağan Yıldırım MD/ Gülin Sünter MD | 14.00-14.50  Clinical tutorial: Case presentions in movement disorders  Dilek İnce Günal MD/ Hatice Ömercikoğlu Özden MD |

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| **3th WEEK: Sep. 19th-23th** | | | | | | | |
|  | **MONDAY** | **TUESDAY** | | | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
|  | 09.00-09.50  Lecture: Dementia  Hatice Ömercikoğlu Özden MD | | **09.00-10.30**  **On-the-job learning and assessment session**  **(inpatient/ outpatient)**  **Neurology** | **09.00-12.00**  **On-the-job learning and assessment session**  **(inpatient/ outpatient)**  **Neurology** | | **09.00-10.30**  **On-the-job learning and assessment session**  **(inpatient/ outpatient)**  **Neurology** | 09.00-11.30  Oral examination of Neuorology |
|  | **10.30-12.00**  **On-the-job learning and**  **assessment session**  **(inpatient/ outpatient)**  **Neurology** | | 11.00-11.50  Lecture: Polyneuropathies  Barış İşak MD | 11.00-11.50  Clinical Tutorial  Case presentations in Epilepsy  İpek Midi MD/ Kadriye Ağan Yıldırım MD | **Reflection session**  Reflection on weekly clinical and educational experiences  Neuology  Kadriye Ağan Yıldırım MD |
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|  | 13.00-13.50  Clinical Tutorial: Coma  Gülin Sünter MD / Hatice Ömercikoğlu Özden MD | | 13.00-13.50  Lecture: Motor neuron disorders  Barış İşak MD | **13.30-15.30**  **O the-job learning and**  **assessment session**  **(inpatient/ outpatient)**  **Neurology** | | Neurology department weekly  educational meeting | **MAKE-UP CLASSES** |
|  | **14.00-15.30**  **On the-job learning and**  **assessment session**  **(inpatient/ outpatient)**  **Neurology** | | 14.00-14.50  Lecture Myoptahies  Barış İşak MD |

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| **4th WEEK: Sep. 26th-30th** | | | | | |
|  | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| 09.00-09.45 | **Lecture**  Introduction to Psychiatry and MentalStatusExamination  **Neşe Yorguner, MD** | **Lecture**  Psychotic Disorders  **Mesut Yıldız, MD** | **Seminar Hour** | **On-the-job learning and assessment session**  Psychiatry | **Lecture**  Anxiety Disorders & OCD  **Ömer Yanartaş , MD** |
| 09.45-10.30 |
| 10.45-11.30 | ***Grand Visit*** | **Lecture**  Bipolar Disorders  **Neşe Yorguner, MD** | **Lecture**  Alcohol and Substance Use Disorders  **Yıldız Akvardar, MD, PhD** | **Lecture**  Somatoform Disorders  **Kemal Sayar, MD** |
| 11.45-12.30 | **On-the-job learning and assessment session**  Psychiatry | **Lecture**  DepressiveDisorders  **Kemal Sayar, MD** |
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| 13.30-14.15 | **Clinical Tutorial**  Psychiatric Interviewing and  Mental Status Examination  **Neşe Yorguner, MD** | **On-the-job learning and assessment session**  Psychiatry | **Clinical Tutorial**  **Manic Patient**  **Neşe Yorguner, MD** | **Clinical Tutorial**  **Dependent Patient**  **Yıldız Akvardar, MD, PhD** | **ClinicalTutorial**  Obsessive Compulsive Patient  **Ömer Yanartaş, MD** |
| 14.30-15.15 | Psychotic Patient  **Mesut Yıldız, MD** | **On-the-job learning and assessment session**  Psychiatry | **On-the-job learning and assessment session**  Psychiatry | **Clinical Tutorial**  **Anxious Patient**  **Ömer Yanartaş , MD** |
| 15.30-16.15 | **ClinicalTutorial**  Drug Treatment in Psychiatry  **Mesut Yıldız, MD** | **On-the-job learning and assessment session**  Psychiatry |
| 16.30-17.15 | **MAKE-UP CLASSES** |

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| **5th WEEK: Oct. 3th-7th** | | | | | |
|  | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| 09.00-09.45 | **Lecture**  Dissociative Disorders  Ömer Yanartaş, MD | **Lecture**  Principles of Psychopharmacology  **Mesut Yıldız, MD** | **Seminar Hour** | **Lecture**  Psychiatric Disorders Related to Psychic Trauma  **Ömer Yanartaş, MD** | **Lecture**  Eating Disorders  **Neşe Yorguner, MD** |
| 09.45-10.30 | **Lecture**  Psychotherapies  **Yıldız Akvardar, MD,PhD** | **Lecture**  Personality Disorders  **Ayşe Sakallı Kani, MD** |
| 10.45-11.30 | ***Grand Visit*** | **On-the-job learning and assessment session**  Psychiatry | **Lecture**  Preventive Psychiatry  **Yıldız Akvardar, MD,** **PhD** | **On-the-job learning and assessment session**  Psychiatry |
| 11.45-12.30 | **MAKE-UP CLASSES** |
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| 13.30-14.15 | **Clinical Tutorial**  DepressivePatient  **Ayşe Sakallı Kani, MD** | **On-the-job learning and assessment session**  Psychiatry | **On-the-job learning and assessment session**  Psychiatry | **Diagnostic procedures**  Reporting in Forensic Psychiatry& Evaluation of Legal Capacity  Nurşen Turan Yurtsever, MD | **Clinical Tutorial**  Patient with Psychological Trauma  **Ömer Yanartaş, MD** |
| 14.30-15.15 | **Clinical Tutorial**  Suicidal and Agitated Patient  **Ayşe Sakallı Kani, MD** | **On-the-job learning and assessment session**  Psychiatry | **On-the-job learning and assessment session**  Psychiatry |
| 15.30-16.15 | **MAKE-UP CLASSES** |
| 16.30-17.15 | **MAKE-UP CLASSES** | Reflection session  Reflection on weekly clinical and educational experiences  Psychiatry  **Ayşe Sakallı Kani, MD** |

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| **6th WEEK: Oct. 10th-14th** | | | | | |
|  | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| 09.00-  11.00 | **On-the-job learning and assessment session**  Neurosurgery | **On-the-job learning and assessment session**  Neurosurgery | **On-the-job learning and assessment session**  Neurosurgery | **On-the-job learning and assessment session**  Neurosurgery | **On-the-job learning and assessment session**  Neurosurgery |
| 11:00-  12:00 | **Lecture**  Injuries of Peripheral Nervous System and Entrapment Syndromes  Mustafa Sakar, MD | **Clinical Tutorial**  Case Discussions  Mustafa Sakar,MD |
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| 13.30-  14.15 | **Lecture**  Introduction to Neurosurgery  İbrahim Ziyal, MD | **On-the-job learning and assessment session**  Neurosurgery | **Lecture**  Pediatric Neurosurgical Tumors  Adnan Dağçınar,MD | **Lecture**  Head trauma and raised intracranial pressure  Ferhat Harman,MD | **Lecture**  StereotacticNeurosurgical Methods  and  Gamma-Knife  FatihBayraklı, MD |
| 14.30-  15.15 | **Lecture**  CNS tumors  İbrahim Ziyal,MD | **Lecture**  Pediatric Congenital Lesions  Adnan Dağçınar,MD |
| 15.30-  16.15 | **Lecture**  CNS Tumors SüheylaBozkurt,MD | **Clinical Tutorial**  Spinal degenerative diseases and spinal deformities  Ferhat Harman,,MD | **Lecture**  Functional Neurosurgey  FatihBayraklı, MD |
| 16.30-  17.15 | **Lecture**  Differential diagnosis of mass lesions  Süheyla Bozkurt,MD | **Lecture**  Rehabilitation of Stroke and Traumatic Brain Injuries Rehabilitation of Spinal  Cord Injuries  Özge Keniş Coşkun, MD | **On-the-job learning and assessment session**  Neurosurgery | **Lecture**  Central Nervous System Infections  Mustafa Sakar, MD |

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| **7th WEEK: Oct. 17th- 21th** | | | | | |
|  | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| 09.00-  11.00 | **On-the-job learning and assessment session**  Neurosurgery | **On-the-job learning and assessment session**  Neurosurgery | **On-the-job learning and assessment session**  Neurosurgery | **On-the-job learning and assessment session**  Neurosurgery | **WRITTEN**  **EXAMINATION**  **Prof. Dr. Işıl Barlan Conference Hall** |
| 11.00-  12.00 | **Multidisciplinary learning session** DIFFERENT APPROACHES TO THE PATIENT WITH PAIN  ÖmerYanartaş,MD  Ferhat Harman, MD  Hatice Ömercikoğlu Özden MD | **Diagnostic procedures**  Diagnostics imaging methods for the head and spinal traumas  Aslıhan Semiz Oysu, MD  Online live | **ORAL EXAMINATION** |
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| 13.30-  14.15 | **Multidisciplinary learning session**  CASES WITH NO CLEAR DIAGNOSIS  ÖmerYanartaş, MD  GülinSunter,MD | **Learning and assessment session for the professionalism**  (Individual and Professional development and counseling) | **Lecture**  Cerebral Vascular Pathologies  Mustafa Sakar, MD | On-the-job learning and assessment session  Neurosurgery | **ORAL EXAMINATION** |
| 14.30-  15.15 | **Lecture**  Approach to the patient with meningitis  Zekaver Odabaşı,MD |
| 15.30-  16.15 | **Lecture**  Spinal Injury  Yahya Güvenç, MD | **PROGRAM EVALUATION**  **(Reflection and Formative Assessment session)**  Evaluation of clerkship program and the 6-week training process  Ferhat HARMAN, MD (Program Coordinator)  **Prof. Dr. Işıl Barlan Conference Hall** |
| 16.30-  17.15 | **Lecture**  Spinal Infections and Spinal Tumors  Yahya Güvenç, MD | Reflection session  Reflection on weekly clinical and educational experiences  Neurosurgery  Ferhat Harman, MD  **Prof. Dr. Işıl Barlan Conference Hall** |