



NERVOUS SYSTEM AND RELATED DISORDERS

YEAR 3 COURSE 3

January 02nd, 2016 – March 03rd, 2016

Coordinator of the Course 3.3

Assist. Prof., Mümtaz GÜRAN

Coordinator of Multidisciplinary Students' Lab.

Asist. Prof., Mümtaz GÜRAN

Coordinator of Clinical Skill Lab.

Instructor., Berfu Çerçi ÖNGÜN

Coordinator of Assessment Unit

Asist. Prof., Mümtaz GÜRAN, Assist. Prof.
Mevhibe Hocaoğlu, Asist. Prof., İlke Çetin
Akçay

Coordinator of ICS Res. LAB.

Asist. Prof., İlke Çetin Akçay

Year 3 Coordinators

Assoc. Prof., Arzu Akşit İLKi & Asist. Prof., Pınar Mega TİBER

Module Coordinator

Assoc. Prof., Özlem SARIKAYA

Introduction to Clinician Skills(ICS) Coordinators

Prof., Sibel SAKARYA, Assoc. Prof., Pemra ÜNALAN

Coordinator of Multidisciplinary Students' Lab.

Asist. Prof., Betül KARADEMİR

Coordinator of Assessment Unit

Asist. Prof., Cevdet NACAR

Vice-Chief Coordinators

Assessment

Asist. Prof., Cevdet NACAR

Students' Affairs

Asist. Prof., Can ERZİK

Chief Coordinator

Assoc. Prof., Hasan YANANLI

**Coordinator of Medical Education Program
Evaluation and Development Commission**

Prof., Berrak Ç. YEĞEN

Educational Consultant

Assoc. Prof., Mehmet Ali GÜLPINAR

Dean (EMU)

Prof., Nahide GÖKÇORA

Acting Dean (MU)

Prof., Ömer GÜNAL

LEARNING OUTCOMES / COMPETENCIES

- A. **Clinical Care: Qualified patient care and community oriented health care**
 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**
 5. Appropriate information retrieval and management skills
 6. The integration of knowledge, critical thinking and evidence-based decision making
 7. Scientific methods and basic research skills
- C. **Professional Attitudes and Values**
 8. Communication skills and effective communication with patients / patient relatives
 9. Interpersonal relationships and team working
 10. Ethical and professional values, responsibilities
 11. Individual, social and cultural values and responsibilities
 12. Reflective practice and continuing development
 13. Healthcare delivery systems, management and community oriented health care
 14. Education and counseling

PHASE-1 LEARNING OBJECTIVES

1. Understanding the normal structures and functions of human body
2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions
3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge
4. Gaining basic clinical skills by applications in simulated settings.
5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values
7. Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.

PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS

Year 1, Course 1: Introduction to Cell and Cellular Replication

Year 1, Course 2: Cellular Metabolism and Transport

Year 1, Course 3: Development and Organization of Human Body

Year 1, Course 4: Introduction to Nervous System and Human Behavior

Year 2, Course 1: Cell and Tissue Injury I

Year 2, Course 2: Cell and Tissue Injury II

Year 2, Course 3: Hematopoietic System and Related Disorders

Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders

Year 2, Course 5: Respiratory System and Related Disorders

Year 3, Course 1: Cardiovascular System and Related Disorders

Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders

Year 3, Course 3: Nervous System and Related Disorders

Year 3, Course : Growth, Development, Mental Health and Related Disorders

Year 3, Course 5: Urinary and Reproductive System and Related Disorders

NERVOUS SYSTEM AND RELATED DISORDERS

AIM and LEARNING OBJECTIVES of COURSE

Aim: At the end of this course, third year students will gain knowledge about the development, structure and physiology of the nervous system and pathogenesis of the disorders related to this system. They will also gain knowledge about the signs and symptoms of nervous system disorders, related risk factors, prevention, diagnosis and principles of treatment.

Learning Objectives: At the end of this course, third year students will,

- review the structure and function of the nervous system.
- define the pathologic processes in neurological disorders
- gain knowledge about microorganism that affect the nervous system and associated infections
- gain knowledge about the risk factors related to neurological disorders
- gain knowledge about the signs and symptoms of these disorders
- gain knowledge about the prevention of nervous system disorders, approach to diagnosis, principles of treatment and rehabilitation

ASSESSMENT SYSTEM

Module examination: Written exam at the end of module (10 % of final score)

Practical examination: Practical exams at the end of course

Course examination: Written exam at the end of course

PROGRAM EVALUATION

Evaluation at the end of the course, is done both orally and by using structured evaluation forms

DEPARTMENTS PARTICIPATING IN COURSE-3.3

- Anatomy
- Anesthesiology
- Biophysics
- Emergency Medicine
- Family Medicine
- Forensic Medicine
- Histology and Embryology
- Infectious Disease
- Medical Biology
- Microbiology
- Neurology

- Neurosurgery
- Pathology
- Pediatrics
- Pharmacology
- Physical Therapy and Rehabilitation
- Physiology
- Physical Therapy and Rehabilitation
- Public Health
- Radiology

LECTURERS / TUTORS

Ahmet Akıcı, Assoc. Prof. of Pharmacology
Alper Yıldırım, Assist. Professor of Physiology
Arzu Uzuner, Assoc. Professor of Family Medicine
Atıla Karaalp, Professor of Pharmacology
Aymelek Yalın, Professor of Anatomy
Ayşe Garip İnhan, Assoc. Professor of Biophysics
Ayşegül Karahasan, Professor of Microbiology
Barış İşak, Assoc. Prof. of Neurology
Pelin Çorman Dinçer, Assist. Prof. of Anesthesiology
Berfu Çerçi Öngün , Instructor, General Practitioner
Beste Melek Atasoy, Assoc. Prof. of Radiation Oncology
Burak Aksu, Assist. Prof. of Microbiology
Dilek Akakın, Assoc. Prof. of Histology and Embryology
Dilek Günal, Professor of Neurology
Dilşad Türkdoğan, Professor of Pediatrics
Emel Lüleci, Assoc. Prof. of Public Health
Erkan Kaptanoğlu, Prof. of Neurosurgery
Ferhat Arman, Assoc. Prof. of Neurosurgery
Filiz Onat, Professor of Pharmacology
Gazanfer Ekici, Professor of Radiology
İbrahim Ziyal, Prof. of Neurosurgery

Hızır Kurtel, Professor of Physiology
İnci Alican, Professor of Physiology
İpek Midi, Assoc. Prof. of Neurology
Kadriye Ağan Yıldırım, Assoc. Prof. of Neurology
Masoud Afshani, Instructor of Histology&Embryology
Mehmet Akman, Assoc. Prof. of Family Medicine
Nurver Ülger, Professor of Microbiology
Olca Ünver, Assist. Prof. of Pediatrics
Önder Kayhan, Prof. of Physical Medicine And Rehabilitation
Özlem Sarıkaya, Assoc. Prof. of Medical Education
Özlem Tuğçe Çilingir Kaya, Inst. Of Histology&Embryology
Pınar Ata, Assoc. Professor of Medical Biology
Pınar Ay, Assoc. Prof. of Public Health
Pınar Kahraman Koytak, Assist. Prof. of Neurology
Pelin Bağcı, Assoc. Professor of Pathology
Pelin Çorman Dinçer, Assist. Prof. of Anesthesiology
Rezzan Gülhan, Assoc. Prof. of Pharmacology
Süheyla Bozkurt, Assoc. Prof. of Pathology,
Tülin Tanrıdağ, Professor of Neurology,
Ufuk Hasdemir, Professor of Microbiology
Ural Verimli, Assist. Prof. of Anatomy
Ümit Şehirli, Professor of Anatomy
Zafer Gören, Professor of Pharmacology

READING / STUDYING MATERIALS

Biochemistry; Stryer, 4th ed., Freeman

- Biochemistry; Zubay, 3rd ed., WCB
- Clinical Anatomy for Medical Students; Richard S. Snell
- Clinically Oriented Anatomy; Keith L. Moore, Arthur F. Dalley
- Color Textbook of Histology; Gartner & Hiatt, 3rd ed., Elsevier Health Sciences, 2004
- D.H. Hubel; Eye, Brain and Vision
- Gray Anatomy; Çeviri Editörü: Prof. Dr. Mehmet YILDIRIM, Güneş Kitabevi, 2006
- Gray's Anatomy for Students; Richard L. Drake, Henry Gray, Adam W.M. Mitchell
- Guyton & Hall ; Textbook of Physiology, 11th edition, Elsevier-Saudersd, 2006.
- Histology A Text and Atlas; Michael H Ross, Michael R. Ross, Wojciech Pawlina, 5th ed. Lippincott Williams & Wilkins, 2006
- Histoloji ve Hücre Biyolojisi; Abraham L.Kierzenbaum; Çeviri editörü: Ramazan Demir, Palme Yayıncılık - Ankara, 2006
- Human Histology: Alan Stevens, James Lowe, 3rd ed., Elsevier Health Sciences, 2004
- M.F. Baer, Connors & Paradiso; Neuroscience 2nd ed.

SUMMARY OF THE COURSE 3.3

SUMMARY OF THE COURSE 3.3			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	31	24	55
Anesthesiology	1		1
Biophysics	1	1	2
Pediatrics	2		2
Family Medicine	3		3
Histology and Embryology	2	1	3
Infectious Disease	1		1
Medical Biology	1		1
Microbiology	4		4
Neurology	16		16
Neurosurgery	3		3
Pathology	11	2	13
Pharmacology	10		10
Physical Medicine and Rehabilitation	2		2
Physiology	11		11
Public Health	3		3
Radiology	2		2
Subtotal	104	28	132
PBL Module	8		8
ICS-3: Basic Medical Practices, Clinical Skills Lab., Students Research Activity	8	24	32
Medical Turkish Communication Skills (Foreign Students)	6		6
Communication in Turkish-IV (Foreign Students)	19		19
TOTAL	145	52	197

THEORETICAL AND PRACTICAL SESSIONS		LECTURER/TUTOR
Week 1 (02-06 January 2017)		
Monday	02 January	
08:40-09:30		
09:40-10:30	Introduction to the course	Dr. Aymelek Yalın
10:40-11:30	Meninges & dural sinuses of the brain	Dr. Aymelek Yalın
11:40-12:30	Meninges & dural sinuses of the brain	Dr. Aymelek Yalın

13:40-14:30	General structure of the spinal cord	Dr. Aymelek Yalın
14:40-15:30	General structure of the spinal cord	Dr. Aymelek Yalın
15:40-16:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
16:40-17:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
Tuesday	03 January	
08:40-09:30	Anatomy LAB: Meninges & dural sinuses of the brain	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Meninges & dural sinuses of the brain	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy LAB: Spinal cord	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Spinal cord	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
13:40-14:30	Elective course	
14:40-15:30	Elective course	
15:40-16:30	Elective course	
16:40-17:30	Elective course	
Wednesday	04 January	
08:40-09:30	Cerebral cortex: functional areas & general topography	Dr. Ümit Şehirli
09:40-10:30	Cerebral cortex: functional areas & general topography	Dr. Ümit Şehirli
10:40-11:30	Anatomy LAB: Cerebral cortex: functional areas & general topography	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Cerebral cortex: functional areas & general topography	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
13:40-14:30	Limbic system and pineal gland	Dr. Ümit Şehirli
14:40-15:30	Slow virus infections and prion diseases	Dr. Ufuk Hasdemir
15:40-16:30	Rabies	Dr. Ufuk Hasdemir
16:40-17:30		
Thursday	05 January	
08:40-09:30	ICS 3- Polyclinics Visit-3 Communication in Turkish IV (Review Session / Foreign Students)	Dr. Berfu Çerçi Öngün Emine Özerinç
09:40-10:30	ICS 3- Polyclinics Visit-3 Communication in Turkish IV (Review Session / Foreign Students)	Dr. Berfu Çerçi Öngün Emine Özerinç
10:40-11:30	ICS 3- Polyclinics Visit-3 Communication in Turkish IV (Review Session / Foreign Students)	Dr. Berfu Çerçi Öngün Emine Özerinç,
11:40-12:30	ICS 3- Polyclinics Visit-3 Communication in Turkish IV (Review Session / Foreign Students)	Dr. Berfu Çerçi Öngün Emine Özerinç
13:40-14:30	Descending pathways	Dr. Aymelek Yalın
14:40-15:30	Ascending pathways	Dr. Aymelek Yalın
15:40-16:30	Ascending pathways	Dr. Aymelek Yalın
16:40-17:30		
Friday	06 January	
08:40-09:30	Anatomy LAB: Meninges & dural sinuses of the brain	Dr. Aymelek Yalın, Dr.

		Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Meninges & dural sinuses of the brain	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
10:40-11:30	Epidemiology of neurological diseases	Dr. Emel Lüleci
11:40-12:30	Cerebellum	Dr. Aymelek Yalın
13:40-14:30	Cerebrum, cerebellum and spinal cord	Dr. Özlem Tuğçe Çilingir Kaya
14:40-15:30	Epidemiology and control of dementias	Dr. Pınar Ay
15:40-16:30	Epidemiology and prevention of occupational neurological disorders	Dr. Pınar Ay
16:40-17:30		
Week 2 (09-13 January 2017)		
Monday	09 January	
08:40-09:30		
09:40-10:30	Brain stem	Dr. Aymelek Yalın
10:40-11:30	Brain stem	Dr. Aymelek Yalın
11:40-12:30	Brain stem	Dr. Aymelek Yalın
13:40-14:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
14:40-15:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
15:40-16:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
16:40-17:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
Tuesday	10 January	
08:40-09:30	Anatomy LAB: Brain stem	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Brain stem	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
10:40-11:30	Cranial nerves	Dr. Aymelek Yalın
11:40-12:30	Cranial nerves	Dr. Aymelek Yalın
13:40-14:30	Elective course	
14:40-15:30	Elective course	
15:40-16:30	Elective course	
16:40-17:30	Elective course	
Wednesday	11 January	
08:40-09:30	Cranial nerves	Dr. Aymelek Yalın
09:40-10:30	Cranial nerves	Dr. Aymelek Yalın
10:40-11:30	Anatomy LAB: Cranial nerves	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Cranial nerves	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
13:40-14:30	Communication in Turkish-IV (Review Session / Foreign Students)	Emine Özerinç
14:40-15:30	Communication in Turkish-IV (Review Session / Foreign Students)	Emine Özerinç
15:40-16:30		
16:40-17:30		

Thursday	12 January	
08:40-09:30	Hypothalamus and pituitary gland	Dr. Ümit Şehirli
09:40-10:30	Anatomy LAB: Hypothalamus, pituitary, limbic system and pineal	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy LAB: Hypothalamus, pituitary, limbic system and pineal	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
11:40-12:30	White matter of cerebrum	Dr. Ümit Şehirli
13:40-14:30	Visual pathway	Dr. Ümit Şehirli
14:40-15:30	Medical Turkish Communication Skills	Ayşe Kozansoy
15:40-16:30	Medical Turkish Communication Skills	Ayşe Kozansoy
16:40-17:30	Medical Turkish Communication Skills	Ayşe Kozansoy
Friday	13 January	
08:40-09:30	Vessels of the central nervous system	Dr. Ümit Şehirli
09:40-10:30	Vessels of the central nervous system	Dr. Ümit Şehirli
10:40-11:30	Anatomy LAB: Vessels of the central nervous system	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Vessels of the central nervous system	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
13:40-14:30	Thalamus	Dr. Ümit Şehirli
14:40-15:30	Basal ganglia subthalamus	Dr. Ümit Şehirli
15:40-16:30	Basal ganglia subthalamus	Dr. Ümit Şehirli
16:40-17:30		
Week 3 (16-20 January 2017)		
Monday	16 January	
08:40-09:30		
09:40-10:30	Brain stem review	Dr. Alper Yıldırım
10:40-11:30	Cognitive and emotional functions	Dr. Alper Yıldırım
11:40-12:30	Bacterial and aseptic meningitis	Dr. Burak Aksu
13:40-14:30	Cognitive and emotional functions	Dr. Alper Yıldırım
14:40-15:30	Cerebrospinal circulation	Dr. Alper Yıldırım
15:40-16:30		
16:40-17:30		
Tuesday	17 January	
08:40-09:30		
09:40-10:30	Brain ventricles and subarachnoid spaces	Dr. Ural Verimli
10:40-11:30	Anatomy LAB: Basal ganglia, thalamus, subthalamus	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Basal ganglia, thalamus, subthalamus	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
13:40-14:30	Elective course	
14:40-15:30	Elective course	
15:40-16:30	Elective course	
16:40-17:30	Elective course	
Wednesday	18 January	

08:40-09:30	Anatomy LAB: Brain ventricles and subarachnoid spaces	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Brain ventricles and subarachnoid spaces	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
10:40-11:30	Anatomy LAB: Cerebellum	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Cerebellum	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
13:40-14:30	Organization of the cortex; motor cortex and corticospinal system	Dr. İnci Alican
14:40-15:30	Organization of the cortex; motor cortex and corticospinal system	Dr. İnci Alican
15:40-16:30	Autonomic nervous system	Dr. Ural Verimli
16:40-17:30	Autonomic nervous system	Dr. Ural Verimli
Thursday	19 January	
08:40-09:30	Anatomy LAB: Autonomic Nervous System	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Autonomic Nervous System	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
10:40-11:30	Vestibular system and auditory pathway	Dr. Ural Verimli
11:40-12:30	Vestibular system and auditory pathway	Dr. Ural Verimli
13:40-14:30	Cerebellum	Dr. İnci Alican
14:40-15:30	Cerebellum	Dr. İnci Alican
15:40-16:30	The basal nuclei	Dr. İnci Alican
16:40-17:30		
Friday	20 January	
08:40-09:30	Spinal reflexes	Dr. Hızır Kurtel
09:40-10:30	Spinal reflexes	Dr. Hızır Kurtel
10:40-11:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
11:40-12:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
13:40-14:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
14:40-15:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
15:40-16:30		
16:40-17:30		
Week 4 (23-27 January 2017)		
Monday	23 January	
08:40-09:30	Histology LAB: Cerebrum, cerebellum and spinal cord	Dr. Dilek Akakın, Dr. Masoud Afshani
09:40-10:30	Review: Development of the nervous system	Dr. Dilek Akakın
10:40-11:30	Basic histopathologic neuronal reaction to injury	Dr. Süheyla Bozkurt
11:40-12:30	Neurodegenerative diseases & dementia	Dr. Süheyla Bozkurt
13:40-14:30	Pathology of demyelinating diseases	Dr. Süheyla Bozkurt
14:40-15:30	PBL Module 1	Dr. Dilek Akakın
15:40-16:30	PBL Module 1	Dr. Dilek Akakın

16:40-17:30		
Tuesday	24 January	
08:40-09:30	Nervous system tumors	Dr. Süheyla Bozkurt
09:40-10:30	Nervous system tumors	Dr. Süheyla Bozkurt
10:40-11:30	Pathology of cerebrovascular disease	Dr. Süheyla Bozkurt
11:40-12:30	Pathology of cerebrovascular disease	Dr. Süheyla Bozkurt
13:40-14:30	Pathology LAB: Pathology of central nervous system	Dr. Süheyla Bozkurt
14:40-15:30	Pathology LAB: Pathology of central nervous system	Dr. Süheyla Bozkurt
15:40-16:30	Elective course	
16:40-17:30	Elective course	
Wednesday	25 January	
08:40-09:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya,Dr. Beste Melek,Dr. Berfu Çerçi Öngün
09:40-10:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya,Dr. Beste Melek, Dr. Berfu Çerçi Öngün
10:40-11:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya,Dr. Beste Melek,Dr. Berfu Çerçi Öngün
11:40-12:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya,Dr. Beste Melek,Dr. Berfu Çerçi Öngün
13:40-14:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya,Dr. Beste Melek,Dr. Berfu Çerçi Öngün
14:40-15:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya,Dr. Beste Melek,Dr. Berfu Çerçi Öngün
15:40-16:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya,Dr. Beste Melek,Dr. Berfu Çerçi Öngün
16:40-17:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya,Dr. Beste Melek,Dr. Berfu Çerçi Öngün
Thursday	26 January	
08:40-09:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
09:40-10:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
10:40-11:30	Introduction to pediatric neurology: From symptoms to signs	Dr. Olcay Ünver
11:40-12:30	Infectious diseases of the nervous system	Dr. Olcay Ünver
13:40-14:30	Headache in primary care	Dr. Arzu Uzuner
14:40-15:30	Headache in primary care	Dr. Arzu Uzuner
15:40-16:30	PBL Module 2	Dr. Arzu Uzuner
16:40-17:30	PBL Module 2	Dr. Arzu Uzuner
Friday	27 January	

08:40-09:30	Signs and symptoms in neurology	Dr. İpek Gürsoy Midi
09:40-10:30	Signs and symptoms in neurology	Dr. İpek Gürsoy Midi
10:40-11:30	Cerebrovascular disease	Dr. İpek Gürsoy Midi
11:40-12:30	Cerebrovascular disease	Dr. İpek Gürsoy Midi
13:40-14:30	Dementia, Alzheimer's disease and related dementias	Dr. İpek Gürsoy Midi
14:40-15:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
15:40-16:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
16:40-17:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
Week 5 (13-17 February 2017)		
Monday	13 February	
08:40-09:30	Genetic basis of neurological diseases	Dr. Pınar Ata
09:40-10:30	Peripheral nerve disorders	Dr. Barış İşak
10:40-11:30	Peripheral nerve disorders	Dr. Barış İşak
11:40-12:30	Motor neuron disorders	Dr. Barış İşak
13:40-14:30	Anesthetic premedication	Dr. Atila Karaalp
14:40-15:30	Skeletal muscle relaxants	Dr. Atila Karaalp
15:40-16:30	PBL Module 3	Dr. Atila Karaalp
16:40-17:30	PBL Module 3	Dr. Atila Karaalp
Tuesday	14 February	
08:40-09:30	Introduction to CNS pharmacology	Dr. Filiz Onat
09:40-10:30	Pharmacotherapy in epilepsy	Dr. Filiz Onat
10:40-11:30	Clinical pharmacology of opioids	Dr. Filiz Onat
11:40-12:30	Basic principles of action of drugs affecting neurotransmission	Dr. Filiz Onat
13:40-14:30	Medical Turkish Communication Skills	Ayşe Kozansoy
14:40-15:30	Medical Turkish Communication Skills	Ayşe Kozansoy
15:40-16:30	Medical Turkish Communication Skills	Ayşe Kozansoy
16:40-17:30		
Wednesday	15 February	
08:40-09:30	ICS 3: Combining Medical Practice Skills-1	Dr. Gülru Pemra Ünalın, Dr. Berfu Çerçi Öngün
09:40-10:30	ICS 3: Combining Medical Practice Skills-1	Dr. Gülru Pemra Ünalın, Dr. Berfu Çerçi Öngün
10:40-11:30	ICS 3: Combining Medical Practice Skills-1	Dr. Gülru Pemra Ünalın, Dr. Berfu Çerçi Öngün
11:40-12:30	ICS 3: Combining Medical Practice Skills-1	Dr. Gülru Pemra Ünalın, Dr. Berfu Çerçi Öngün
13:40-14:30	ICS 3: Combining Medical Practice Skills-1	Dr. Gülru Pemra Ünalın, Dr. Berfu Çerçi Öngün
14:40-15:30	ICS 3: Combining Medical Practice Skills-1	Dr. Gülru Pemra Ünalın, Dr. Berfu Çerçi Öngün
15:40-16:30	ICS 3: Combining Medical Practice Skills-1	Dr. Gülru Pemra Ünalın, Dr. Berfu Çerçi Öngün
16:40-17:30	ICS 3: Combining Medical Practice Skills-1	Dr. Gülru Pemra Ünalın,

		Dr. Berfu Çerçi Öngün
Thursday	16 February	
08:40-09:30		
09:40-10:30	Sleep and sleep disorders	Dr. Kadriye Ağan Yıldırım
10:40-11:30	Epilepsy	Dr. Kadriye Ağan Yıldırım
11:40-12:30	Epilepsy	Dr. Kadriye Ağan Yıldırım
13:40-14:30	Headache in the emergency room	Dr. Tülin Tanrıdağ
14:40-15:30	Neurological emergencies	Dr. Tülin Tanrıdağ
15:40-16:30	PBL Module 4	Dr. Kadriye Ağan Yıldırım
16:40-17:30	PBL Module 4	Dr. Kadriye Ağan Yıldırım
Friday	17 February	
08:40-09:30	Tetanus	Dr. Nurver Ülger
09:40-10:30	Extrapyramidal system disorders	Dr. Dilek İnce Günal
10:40-11:30	Demyelinating disorders	Dr. Dilek İnce Günal
11:40-12:30	Poliomyelitis	Dr. Ayşegül Karahasan
13:40-14:30	Local and general anesthetics	Dr. Ahmet Akıcı
14:40-15:30	Local and general anesthetics	Dr. Ahmet Akıcı
15:40-16:30	Pharmacotherapy of cognitive disorders	Dr. Zafer Gören
16:40-17:30	Management of pain	Dr. Pelin Çorman Dinçer
Week 6 (20-24 February 2017)		
Monday	20 February	
08:40-09:30	Introduction to pathology of muscle diseases and peripheral nerve	Dr. Pelin Bağcı
09:40-10:30	Nervous system malformations	Dr. Pelin Bağcı
10:40-11:30	Pathology of central nervous system infections	Dr. Pelin Bağcı
11:40-12:30	Pathology of central nervous system infections	Dr. Pelin Bağcı
13:40-14:30	Introduction to neuroradiology	Dr. Gazanfer Ekinci
14:40-15:30	Introduction to neuroradiology	Dr. Gazanfer Ekinci
15:40-16:30	Adult patient with paresthesia, arthralgia and lethargia	Dr. Mehmet Akman
16:40-17:30	Pharmacotherapy of Parkinson's disease	Dr. Rezzan Gülhan
Tuesday	21 February	
08:40-09:30		
09:40-10:30	Headache in the emergency room	Dr. Tülin Tanrıdağ
10:40-11:30	Neurological emergencies	Dr. Tülin Tanrıdağ
11:40-12:30	Myopathies and myasthenia gravis	Dr. Tülin Tanrıdağ
13:40-14:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
14:40-15:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
15:40-16:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
16:40-17:30	Communication in Turkish-IV	Emine Özerinç, Nevber İstillozlu
Wednesday	22 February	

08:40-09:30	ICS 3: CSL-Neurology session	Dr. Tülin Tanrıdağ
09:40-10:30	ICS 3: CSL-Neurology session	Dr. Tülin Tanrıdağ
10:40-11:30	ICS 3: CSL-Neurology session	Dr. Tülin Tanrıdağ
11:40-12:30	ICS 3: CSL-Neurology session	Dr. Tülin Tanrıdağ
13:40-14:30	ICS 3: CSL-Neurology session	Dr. Tülin Tanrıdağ
14:40-15:30	ICS 3: CSL-Neurology session	Dr. Tülin Tanrıdağ
15:40-16:30	ICS 3: CSL-Neurology session	Dr. Tülin Tanrıdağ
16:40-17:30	ICS 3: CSL-Neurology session	Dr. Tülin Tanrıdağ
Thursday	23 February	
08:40-09:30		
09:40-10:30	Rehabilitation of neurological disorders	Dr. Önder Kayhan
10:40-11:30	Rehabilitation of neurological disorders	Dr. Önder Kayhan
11:40-12:30	Principles of CT and MRI	Dr. Ayşe Garip İnhan
13:40-14:30	Biophysics LAB: Principles of EEG-Group A	Dr. Pınar Mega Tiber, Dr. Ayşe İnhan Garip
14:40-15:30	Biophysics LAB: Principles of EEG-Group B	Dr. Pınar Mega Tiber, Dr. Ayşe İnhan Garip
15:40-16:30	Biophysics LAB: Principles of EEG-Group C	Dr. Pınar Mega Tiber, Dr. Ayşe İnhan Garip
16:40-17:30	Biophysics LAB: Principles of EEG-Group D	Dr. Pınar Mega Tiber, Dr. Ayşe İnhan Garip
Friday	24 February	
08:40-09:30	ICS 3- Polyclinics Visit-3 Communication in Turkish IV (Review Session / Foreign Students)	Dr. Berfu Çerçi Öngün Emine Özerinç
09:40-10:30	ICS 3- Polyclinics Visit-3 Communication in Turkish IV (Review Session / Foreign Students)	Dr. Berfu Çerçi Öngün Emine Özerinç
10:40-11:30	ICS 3- Polyclinics Visit-3 Communication in Turkish IV (Review Session / Foreign Students)	Dr. Berfu Çerçi Öngün Emine Özerinç
11:40-12:30	ICS 3- Polyclinics Visit-3 Communication in Turkish IV (Review Session / Foreign Students)	Dr. Berfu Çerçi Öngün Emine Özerinç
13:40-14:30	Head and spinal cord trauma	Dr Ferhat Harman
14:40-15:30	Spinal cord compression syndrome and disc herniation	Dr. Erkan Kaptanoğlu
15:40-16:30	Increased intracranial pressure	Dr. İbrahim Ziyal
16:40-17:30		
Week 7 (27-03 March 2017)		
Monday	27 February	
08:40-09:30		
09:40-10:30	PRACTICAL EXAM	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		

Tuesday	28 February	
08:40-09:30		
09:40-10:30	PRACTICAL EXAM	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	01 March	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Thursday	02 March	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Friday	03 March	
08:40-09:30		
09:40-10:30	Y3C3 THEORETICAL EXAM – at 09:00 a.m.	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		