



NERVOUS SYSTEM AND RELATED DISORDERS
YEAR 3 COURSE 3
December 29th, 2014 – February 27th, 2015

Coordinator of the Course 3.3 Instructor, Dila ŞENER	Coordinator of the Module 3.3 Asist. Prof., Mümtaz GÜRAN
Coordinator of Multidisciplinary Students' Lab. Instructor, Dila ŞENER	Coordinator of Clinical Skill Lab. Asist. Prof., Canan Zaimoğlu
Coordinator of Assessment Unite Asist. Prof., Ayşe ÜLGEN, Asist. Prof., Mümtaz GÜRAN, Instructor, Dila ŞENER	Coordinator of ICS Res. LAB. Asist. Prof., Ayşe ÜLGEN
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 Unite 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	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
- Pharmacology
- Physical Therapy and Rehabilitation
- Physiology
- Psychiatry
- Physical Therapy and Rehabilitation
Medical Education
- Public Health
- Radiology

LECTURERS / TUTORS

Ahmet Akıcı, Assoc. Prof. of Pharmacology
Alper Yıldırım, Assist. Professor of Physiology
Arzu Uzuner, Assoc. Professor of Family Medicine
Aşkın Şeker, Assist. Prof. of Neurosurgery
Aymelek Yalın, Professor of Anatomy
Ayşe Garip, Assoc. Professor of Biophysics
Ayşegül Karahasan, Professor of Microbiology
Beliz Bilgili, Assist. Prof. of Anesthesiology
Berfu Çerçi Öngün, Instructor, General Practitioner
Canan Zaimoğlu, Assist. Prof. of Pediatrics
Çiğdem Apaydın, Assoc. Prof. of Family Medicine
Dilek Akakin, Assoc. Prof. of Histology and

İnci Alican, Professor of Physiology
İpek Midi, Assoc. Prof. of Neurology
Kadriye Ağan Yıldırım, Assoc. Prof. of Neurology
Kayıhan Uluç, Assoc. Prof. of Neurology
Mehmet Akman, Assoc. Prof. of Family Medicine
Mustafa İbrahim Ziyal, Professor of Neurosurgery
Nahide Gökçora, Professor of Nuclear Medicine
Nurver Ülger, Professor of Microbiology
Özgür Kasımay, Assoc. Professor of Physiology
Önder Kayhan, Professor of Physical Therapy
Pelin Bağcı, Assoc. Professor of Pathology
Pınar Ata, Assoc. Professor of Medical Biology

Embryology

Dilek Günal, Professor of Neurology
Dilşad Save, Assoc. Prof. of Public Health
Emel Lüleci, Assoc. Prof. of Public Health
Emine Neşe Tuncer Elmas, Assoc. Prof. of Neurology
Filiz Onat, Professor of Pharmacology
Gazanfer Ekici, Professor of Radiology

Pınar Ay, Assoc. Prof. of Public Health
Pınar Mega Tiber, Assoc. Prof. of Biophysics,
Rezzan Gülhan, Assoc. Prof. of Pharmacology
Süheyla Bozkurt, Assoc. Prof. of Pathology,
Tülin Tanrıdağ, Professor of Neurology,
Ufuk Hasdemir, Professor of Microbiology
Ümit Şehirli, Professor of Anatomy
Volkan Topçuoğlu, Assoc. Prof. of Phsyhiatry
Zekaver Odabaşı, Assoc. Prof. of Infectious Disease

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 Anatomi; 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-Sanders, 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 editorü: 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

Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	35	11	46
Anesthesiology	1		1
Biophysics	1	4	5
Pediatrics	2		2
Family Medicine	5		5
Histology and Embryology	2		2
Infectious Disease	1		1
Medical Biology	1		1
Microbiology	4		4
Neurology	15		15
Neurosurgery	3		3
Nuclear Medicine	1		1
Pathology	13	2	15
Pharmacology	4		4
Physical Medicine and Rehabilitation	1		1
Physiology	11		11
Psychiatry	1		1
Public Health	3		3
Radiology	4		4
Subtotal	108	17	125
PBL Module	8		8
ICS-3: Basic Medical Practices, Clinical Skills Lab., Students Research Activity	4	16	20
TOTAL	120	33	153

THEORETICAL AND PRACTICAL SESSIONS		LECTURER/TUTOR
WEEK 1 (December 29, 2014-January 02, 2015)		
Monday	29 December	
08:40-09:30	STUDY TIME	
09:40-10:30	Introduction to the course and Opening Lecture	Dr. İnci Alican
10:40-11:30	Organization of the cortex; motor cortex and corticospinal system	Dr. İnci Alican
11:40-12:30	Organization of the cortex; motor cortex and corticospinal system	Dr. İnci Alican
13:40-14:30	The basal nuclei	Dr. İnci Alican
14:40-15:30	Cerebellum	Dr. İnci Alican
15:40-16:30	Cerebellum	Dr. İnci Alican
Tuesday	30 December	
08:40-09:30	Meninges & dural sinuses of the brain	Dr. Aymelek Yalın
09:40-10:30	Meninges & dural sinuses of the brain	Dr. Aymelek Yalın
10:40-11:30	General structure of the spinal cord	Dr. Aymelek Yalın
11:40-12:30	General structure of the spinal cord	Dr. Aymelek Yalın
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	STUDY TIME	
Wednesday	31 December	
08:40-09:30	Brain Stem	Dr. Aymelek Yalın
09:40-10:30	Brain Stem	Dr. Aymelek Yalın
10:40-11:30	Brain Stem	Dr. Aymelek Yalın
11:40-12:30	Anatomy LAB: Meninges & dural sinuses of the brain	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
Thursday	01 January	
08:40-09:30	HOLIDAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
Friday	02 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	

WEEK 2 (January 05-09, 2015)		
Monday	05 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. Berfu Çerçi Öngün Dr. Ümit Şehirli
11:40-12:30	Anatomy LAB: Spinal cord	Dr. Berfu Çerçi Öngün Dr. Ümit Şehirli
13:40-14:30	Basal ganglia	Dr. Ümit Şehirli
14:40-15:30	Basal ganglia	Dr. Ümit Şehirli
15:40-16:30	Limbic system and pineal gland	Dr. Ümit Şehirli
16:40-17:30	Hypothalamus and pituitary gland	Dr. Ümit Şehirli
Tuesday	06 January	
08:40-09:30	ICS 3- Polyclinics Visit-4	Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
09:40-10:30	ICS 3- Polyclinics Visit-4	Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
10:40-11:30	ICS 3- Polyclinics Visit-4	Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
11:40-12:30	ICS 3- Polyclinics Visit-4	Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	07 January	
08:40-09:30	Basic histopathologic neuronal reaction to injury	Dr. Süheyla Bozkurt
09:40-10:30	Neurodegenerative diseases & dementia	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 of demyelinating diseases	Dr. Süheyla Bozkurt
14:40-15:30	Pathology of neurometabolic disease	Dr. Süheyla Bozkurt
15:40-16:30	Review: Cerebrum, cerebellum and spinal cord	Dr. Dilek Akakın
16:40-17:30	Review: Development of the nervous system	Dr. Dilek Akakın
Thursday	08 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 Lab: Pathology of central nervous system	Dr. Süheyla Bozkurt
11:40-12:30	Pathology Lab: Pathology of central nervous system	Dr. Süheyla Bozkurt

13:40-14:30	Extrapyramidal system disorders	Dr. Dilek Günal
14:40-15:30	Demyelinating disorders	Dr. Dilek Günal
15:40-16:30	PBL MODULE 1	Dr. Dilek Günal
16:40-17:30	PBL MODULE 1	Dr. Dilek Günal Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
Friday	09 January	
08:40-09:30	Brain stem review	Dr. Alper Yıldırım
09:40-10:30	Cerebrospinal circulation	Dr. Alper Yıldırım
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Basal ganglia subthalamus	Dr. Alper Yıldırım
14:40-15:30	Cognitive and emotional functions	Dr. Alper Yıldırım
15:40-16:30	Genetic basis of neurological diseases	Dr. Pınar Ata
16:40-17:30	STUDY TIME FOR PBL	
WEEK 3 (January 12-16, 2015)		
Monday	12 January	
09:40-10:30	STUDY TIME FOR PBL	
10:40-11:30	STUDY TIME FOR PBL	
11:40-12:30	Adult patient with paresthesia, arthralgia and lethargia	Dr. Mehmet Akman
13:40-14:30	PBL MODULE-2	Dr. Mehmet Akman Dr. Berfu Çerçi Öngün
14:40-15:30	PBL MODULE-2	Dr. Mehmet Akman Dr. Berfu Çerçi Öngün
15:40-16:30	STUDY TIME FOR PBL	
16:40-17:30	STUDY TIME FOR PBL	
Tuesday	13 January	
08:40-09:30	STUDY TIME	
09:40-10:30	Pathology of central nervous system infections	Dr. Pelin Bağcı
10:40-11:30	Pathology of central nervous system infections	Dr. Pelin Bağcı
11:40-12:30	Slide discussion: Central nervous system infections	Dr. Pelin Bağcı
13:40-14:30	Nervous system malformations	Dr. Pelin Bağcı
14:40-15:30	Introduction to pathology of muscle diseases and peripheral nerve	Dr. Pelin Bağcı
15:40-16:30	STUDY TIME FOR PBL	
16:40-17:30	STUDY TIME FOR PBL	
Wednesday	14 January	
08:40-09:30	STUDY TIME FOR PBL	
09:40-10:30	STUDY TIME FOR PBL	
10:40-11:30	STUDY TIME FOR PBL	
11:40-12:30	STUDY TIME FOR PBL	

Thursday	15 January	
08:40-09:30	Thalamus	Dr. Ümit Şehirli
09:40-10:30	Medullary substance	Dr. Ümit Şehirli
10:40-11:30	Anatomy LAB: Brain stem	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Cerebellum	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
13:40-14:30	Cranial nerves	Dr. Ümit Şehirli
14:40-15:30	Cranial nerves	Dr. Ümit Şehirli
15:40-16:30	Anatomy LAB: Hypothalamus, pituitary, limbic system and pineal	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
16:40-17:30	Basal ganglia subthalamus	Dr. Ümit Şehirli
Friday	16 January	
08:40-09:30	Basal ganglia subthalamus	Dr. Ümit Şehirli
09:40-10:30	Cranial nerves	Dr. Ümit Şehirli
10:40-11:30	Cranial nerves	Dr. Ümit Şehirli
11:40-12:30	Anatomy LAB: Cranial nerves	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
13:40-14:30	Vessels of the central nervous system	Dr. Ümit Şehirli
14:40-15:30	Vessels of the central nervous system	Dr. Ümit Şehirli
15:40-16:30	Anatomy LAB: Basal ganglia, thalamus, subthalamus	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
16:40-17:30	Spinal reflexes	Dr. Özgür Kasımay

WEEK 4 (January 19-23, 2015)		
Monday	19 January	
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	PBL MODULE 3	Dr. Kadriye Ağan Yıldırım Dr. Berfu Çerçi Öngün
14:40-15:30	PBL MODULE 3	Dr. Kadriye Ağan Yıldırım Dr. Berfu Çerçi Öngün
15:40-16:30	Slow virus infections	Dr. Ufuk Hasdemir
16:40-17:30	Rabies	Dr. Ufuk Hasdemir
Tuesday	20 January	
08:40-09:30	ICS 3: CSL-Neurology session	Dr. Kayıhan Uluç Dr. Berfu Çerçi Öngün
09:40-10:30	ICS 3: CSL-Neurology session	Dr. Kayıhan Uluç Dr. Berfu Çerçi Öngün

10:40-11:30	ICS 3: CSL-Neurology session	Dr. Kayıhan Uluç Dr. Berfu Çerçi Öngün
11:40-12:30	ICS 3: CSL-Neurology session	Dr. Kayıhan Uluç Dr. Berfu Çerçi Öngün
13:40-14:30	ICS 3: CSL-Neurology session	Dr. Kayıhan Uluç Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
14:40-15:30	ICS 3: CSL-Neurology session	Dr. Kayıhan Uluç Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
15:40-16:30	ICS 3: CSL-Neurology session	Dr. Kayıhan Uluç Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
16:40-17:30	ICS 3: CSL-Neurology session	Dr. Kayıhan Uluç Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
Wednesday	21 January	
08:40-09:30	STUDY TIME	
09:40-10:30	Brain ventricles and subarachnoid spaces	Dr. Ümit Şehirli
10:40-11:30	Brain ventricles and subarachnoid spaces	Dr. Ümit Şehirli
11:40-12:30	Anatomy LAB: Brain ventricles and subarachnoid spaces	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
13:40-14:30	Autonomic nervous system	Dr. Ümit Şehirli
14:40-15:30	Autonomic nervous system	Dr. Ümit Şehirli
15:40-16:30	Autonomic nervous system	Dr. Ümit Şehirli
16:40-17:30	STUDY TIME	
Thursday	22 January	
08:40-09:30	Eye and visual pathway	Dr. Ümit Şehirli
09:40-10:30	Eye and visual pathway	Dr. Ümit Şehirli
10:40-11:30	Review of the ear	Dr. Ümit Şehirli
11:40-12:30	Vestibular system and auditory pathway	Dr. Ümit Şehirli
13:40-14:30	Anatomy LAB: Vessels of the central nervous system	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Autonomic Nervous System	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
15:40-16:30	Principles of neurological rehabilitation	Dr. Önder Kayhan
16:40-17:30	STUDY TIME FOR PBL	
Friday	23 January	
08:40-09:30	STUDY TIME FOR PBL	
09:40-10:30	STUDY TIME FOR PBL	
10:40-11:30	Headache in primary care	Dr. Arzu Uzuner
11:40-12:30	Headache in primary care	Dr. Arzu Uzuner

13:40-14:30	PBL MODULE 4	Dr. Arzu Uzuner Dr. Berfu Çerçi Öngün
14:40-15:30	PBL MODULE 4	Dr. Arzu Uzuner Dr. Berfu Çerçi Öngün
15:40-16:30	Epidemiology of neurological diseases	Dr. Emel Lüleci
16:40-17:30	STUDY TIME	
WEEK 5 (February 09-13, 2015)		
Monday	09 February	
08:40-09:30	Local and general anesthetics	Dr. Ahmet Akıcı
09:40-10:30	Local and general anesthetics	Dr. Ahmet Akıcı
10:40-11:30	Anesthetic premedication & skeletal muscle relaxants	Dr. Ahmet Akıcı
11:40-12:30	Principles of CT and MRI	Dr. Ayşe Garip
13:40-14:30	Biophysics LAB: Principles of EEG	Dr. Ayşe Garip- Dr. Pınar Mega Tiber
14:40-15:30	Biophysics LAB: Principles of EEG	Dr. Ayşe Garip- Dr. Pınar Mega Tiber
15:40-16:30	Biophysics LAB: Principles of EEG	Dr. Ayşe Garip- Dr. Pınar Mega Tiber
16:40-17:30	Biophysics LAB: Principles of EEG	Dr. Ayşe Garip- Dr. Pınar Mega Tiber
Tuesday	10 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	ICS 3: Combining Medical Practice Skills-1	Dr. Pemra Ünalın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
11:40-12:30	ICS 3: Combining Medical Practice Skills-1	Dr. Pemra Ünalın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
13:40-14:30	ICS 3: Combining Medical Practice Skills-1	Dr. Pemra Ünalın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
14:40-15:30	ICS 3: Combining Medical Practice Skills-1	Dr. Pemra Ünalın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
15:40-16:30	Management of pain	Dr. Beliz Bilgili
16:40-17:30	STUDY TIME	
Wednesday	11 February	
08:40-09:30	Peripheral nerve disorders	Dr. Tülin Tanrıdağ
09:40-10:30	Peripheral nerve disorders	Dr. Tülin Tanrıdağ
10:40-11:30	Myopathies and myasthenia gravis	Dr. Tülin Tanrıdağ
11:40-12:30	STUDY TIME	

13:40-14:30	Epidemiology and control of dementias	Dr. Pınar Ay
14:40-15:30	Epidemiology and prevention of occupational neurological disorders	Dr. Pınar Ay
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	12 February	
09:40-10:30	STUDY TIME	
10:40-11:30	Bacterial and aseptic meningitis	Dr. Burak Aksu
11:40-12:30	Increased intracranial pressure	Dr. Aşkın Şeker
13:40-14:30	Head and spinal cord trauma	Dr. Aşkın Şeker
14:40-15:30	Spinal cord compression syndrome and disc herniation	Dr. Aşkın Şeker
15:40-16:30	Infectious diseases of the nervous system	Dr. Canan Zaimoğlu
16:40-17:30	Introduction to pediatric neurology: From symptoms to signs	Dr. Canan Zaimoğlu
Friday	13 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Pharmacotherapy of Parkinson's disease	Dr. Rezzan Gülhan
14:40-15:30	Tetanus	Dr. Ayşegül Karahasan
15:40-16:30	Poliomyelitis	Dr. Ayşegül Karahasan

WEEK 6 (February 16-20, 2015)		
Monday	16 February	
08:40-09:30	Signs and symptoms in neurology	Dr. İpek Midi
09:40-10:30	Signs and symptoms in neurology	Dr. İpek Midi
10:40-11:30	Cerebrovascular disease	Dr. İpek Midi
11:40-12:30	Cerebrovascular disease	Dr. İpek Midi
13:40-14:30	Dementia, Alzheimer's disease and related dementias	Dr. İpek Midi
14:40-15:30	Organic brain disorders	Dr. Volkan Topçuoğlu
Tuesday	17 February	
08:40-09:30	Introduction to neuroradiology	Dr. Gazanfer Ekinci
09:40-10:30	Radiology of the spine and spinal cord	Dr. Gazanfer Ekinci
10:40-11:30	Cranial CT and MRI	Dr. Gazanfer Ekinci
11:40-12:30	Cranial CT and MRI	Dr. Gazanfer Ekinci
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	Motor neuron disorders	Dr. Tülin Tanrıdağ

16:40-17:30	Brain perfusion scintigraphy	Dr. Nahide Gökçora
Wednesday	18 February	
08:40-09:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya Dr. Berfu Çerçi Öngün
09:40-10:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya Dr. Berfu Çerçi Öngün
10:40-11:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya Dr. Berfu Çerçi Öngün
11:40-12:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya Dr. Berfu Çerçi Öngün
13:40-14:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
14:40-15:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
15:40-16:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
16:40-17:30	ICS 3: Advanced Communication Skills	Dr. Özlem Sarıkaya Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
Thursday	19 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Friday	20 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	

WEEK 7 (February 23-27, 2015)		
Monday	23 February	
08:40-09:30	PRACTICAL EXAMINATION	
09:40-10:30		
10:40-11:30		
11:40-12:30		
Tuesday	24 February	
08:40-09:30	PRACTICAL EXAMINATION	
09:40-10:30		

10:40-11:30		
11:40-12:30		
Wednesday	25 February	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
Thursday	26 February	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
Friday	27 February	
08:40-09:30	THEORETICAL EXAMINATION	
09:40-10:30		
10:40-11:30		
11:40-12:30		