

WEEK 1 – NERVOUS SYSTEM BLOCK (Male-Group A)

Week (1) Starting:

25/9/2010 (16/10/1431H)

ANS, Spinal Cord & Peripheral Nerves

CHAIR PERSON: Prof. Sultan Ayoub Meo

CO-CHAIR: Dr. Omar Al-Habib

Saturday 25 September 2010	Sunday 26 September 2010	Monday 27 September 2010	Tuesday 28 September 2010	Wednesday 29 September 2010
8:00 ~ 9:00 am Organization of the CNS (Anatomy) Dr.Khaleel Al-Yahiya	8:00-9:00am Pharmacology of the ANS (Pharmacology) Prof.Al-Haider	8:00 ~ 9:00 am Brachial plexus and radial nerve (Anatomy) Dr.Wahra	8:00 ~ 9:00am Median and ulnar nerves (Anatomy) Dr.Saeed Abul Makarem	8:00 ~ 9:00 am Sacral plexus, sciatic nerve and femoral nerve (Anatomy) Dr.Ahamed Fathalla
9:00 ~ 10:00 am Physiology of synapses and receptors (Physiology) Dr. Taha	9:00– 11:00am <u>Practical</u> Dermatomes, myotomes and surface anatomy (Anatomy) All	9:00 ~ 10:00 am Anatomy and physiology of the parasympathetic NS (Physiology) Prof. Sultan	9:00 ~ 11:00am <u>Practical</u> Spinal cord (Histology) All	9:00 ~ 10:00 am Physiology of pain (Physiology) Prof. Ashraf
10:00 ~ 11:00am Anatomy of the spinal cord (Anatomy) Dr.Essameldin Salama		10:00 ~ 11:00am Embryological development of the spinal cord and vertebral column (Anatomy) Dr.Essameldin Salama		10:00 ~ 12:00 pm Examination of sensory system (Introduction to Clinical Medicine) Dr.Ahamed Abuelnaja
11:00~ 12:00 pm Anatomy and physiology of sympathetic nervous system (Physiology) Prof. Sultan	11:00~ 12:00 pm Spinal cord Functions & reflexes (Physiology) Dr. Taha	11:00 ~ 12:00 pm Physiology of motor tracts (Physiology) Dr. Taha	11:00 ~ 12:00 pm Stretch reflex & tendon jerks (Physiology) Dr. Taha	
Lunch 12:00~ 1:00 pm	Lunch 12:00~ 1:00 pm	Lunch 12:00~ 1:00 pm	Lunch 12:00~ 1:00 pm	Lunch 12:00~ 1:00 pm
1:00 ~ 2:00 pm Self-Directed Learning	1:00 ~3:00pm Small Group Learning(PBL) Case 1 Part 1	1:00 ~ 2:00 pm Sensory tracts (Anatomy) Dr.Saeed Abul Makarem	1:00 ~ 2:00 pm spinal cord (Radiology) Dr.Taja Al-Dean	1:00 ~3:00pm Small Group Learning(PBL) Case 1 Part 2
2:00 – 3:00pm Self-Directed Learning	3:00 – 4:00pm Self-Directed Learning	2:00 – 3:00pm Self-Directed Learning		3:00 – 4:00pm Self-Directed Learning

LECTURE THEATER A

Room No.2141, Level 2

WEEK 2 – NERVOUS SYSTEM BLOCK (Male-Group A)				
Week (2) Starting: 2/10/2010 (23/10/1431H)				
Brainstem & Related Cranial Nerves				
CHAIR PERSON : Prof. Sultan Ayoub Meo				
CO-CHAIR: Dr. Omar Al-Habib				
Saturday 02 October 2010	Sunday 03 October 2010	Monday 04 October 2010	Tuesday 05 October 2010	Wednesday 06 October 2010
8:00 ~ 9:00 am Anatomy of brainstem (Anatomy) Dr.Ahamed Fathalla	8:00-9:00am Normal cells of the CNS (Histology) Dr.Ali Mohammad	8:00-9:00am Anatomy of CN 11 & 12 (Anatomy) Dr.Essameldin Salama	8:00 ~ 9:00am Pathology of brain tumors –II (Pathology) Dr.Hisham Al-Khalidi	8:00 ~ 9:00 am Pathology and pathogenesis of multiple sclerosis (Pathology) Dr.Hisham Al-Khalidi
9:00 ~ 10:00 am Internal structures of the brainstem (Anatomy) Dr.Whara	9:00 ~ 10:00 am Self-Directed Learning	9:00 ~ 10:00 am Pathology of brain tumors –I (Pathology) Dr.Hisham Al-Khalidi	9:00 ~ 10:00 am Radiology of brain tumors (Radiology) Dr.Hamdi Hussain	9:00 ~ 10:00 am Becoming a student in a PBL tutorial Prof.Azer
10:00 ~ 11:00am Anatomy of CN 9&10 (Anatomy) Dr.Saeed Abul Makarem	10:00 ~12:00 pm <u>Practical</u> EMG/nerve conduction	10:00 ~ 11:00am Self-Directed Learning	10:00 ~ 12:00pm <u>Practical</u> brachial plexus and lumbosacral Plexus (Anatomy) All	10:00 ~ 12:00 pm <u>Practical</u> neuopathology I (Pathology) Dr.Amer Shefi
11:00- 12:00 pm Physiology of the brainstem (Physiology) Prof. Ashraf	(Physiology)	11:00 ~ 12:00 pm Biochemistry of myelin (Biochemistry) Dr.Amr Moustafa		
Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm
1:00 ~ 3:00 pm <u>Practical</u> Brainstem & CNs (Anatomy) All	1:00 -3:00pm Small Group Learning(PBL)	1:00 ~ 3:00 pm	1:00 ~ 3:00 pm	1:00 ~3:00pm Small Group Learning(PBL)
	Case 2 Part 1 3:00 – 4:00pm	Salam	Self-Directed Learning	Case 2 Part 2 3:00 – 4:00pm
	Self-Directed Learning			Self-Directed Learning

LECTURE THEATER A

Room No.2141, Level 2

WEEK 3 – NERVOUS SYSTEM BLOCK (Male-Group A)

Week (3) Starting:

9/10/2010 (1/11/1431H)

Hearing & Special Senses

CHAIR PERSON : Prof. Sultan Ayoub Meo

CO-CHAIR: Dr. Omar Al-Habib

Saturday 09 October 2010	Sunday 10 October 2010	Monday 11 October 2010	Tuesday 12 October 2010	Wednesday 13 October 2010
8:00 - 9:00am Anatomy of the Ear (Anatomy) Dr.Saeed Abul Makarem	8:00 - 9:00 am Physiology of the eye & refraction (Physiology) Prof. Gader	8:00-9:00am Photo transduction in light and dark (Physiology) Prof. Gader	8:00 - 9:00 am Vitamin A (Biochemistry) Dr.Ussman	8:00 - 9:00 am Anatomy of the nose and olfactory nerve (Anatomy) Dr.Saeed Abul Makarem
9:00 - 10:00 am Physiology of hearing (Physiology) Prof. Gader	9:00 – 10:00 am Self Directed Learning	9:00 – 10:00am Physiology of color vision (Physiology) Prof. Gader	9:00 – 10:00am Vision, Accommodation & the light pathways and effects of lesions (Physiology) Prof. Gader	9:00 - 10:00 am Physiology of Smell (Physiology) Prof. Gader
10:00- 11:00am Microbiology of middle ear infection (Microbiology) Dr.Ali Somily	10:00 - 11:00pm Introduction to the course and overview about professionalism (Professionalism)	10:00 – 11:00 am Self Directed Learning	10:00- 12:00pm <u>Practical</u> Audiometry (Physiology)	10:00 - 11:00am Self Directed Learning
11:00 12:00pm Cranial nerve number 8 (Anatomy) Dr.Ahamed Fathalla	11:00 12:00pm Self Directed Learning	11:00- 12:00pm Cranial nerves: 2, 3, 4, 6 (Anatomy) Dr.Essameldin Salama		11:00- 12:00pm Nerve supply of the face (Cranial nerves 5 and 7) (Anatomy) Dr.Ahamed Fathalla
Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm
1:00 - 3:00 pm <u>Practical</u> Color vision, light and accommodation reflex	1:00 ~3:00pm Small Group Learning (PBL) Case 3 Part 1 3:00 – 4:00pm Self-Directed Learning	1:00 ~3:00 pm Salam	1:00 ~ 3:00 pm Clinical examination of cranial nerves (Introduction to clinical medicine) Dr.Ahamed Abuelnaja	1:00 ~3:00pm Small Group Learning (PBL) Case 3 Part 2 3:00 – 4:00pm Self-Directed Learning

LECTURE THEATER A

Room No.2141, Level 2

WEEK 4 – NERVOUS SYSTEM BLOCK (Male-Group A)				
Week (4) Starting: 16/10/2010 (8/11/1431H)				
The Balance System				
CHAIR PERSON : Prof. Sultan Ayoub Meo				
CO-CHAIR: Dr. Omar Al-Habib				
Saturday 16 October 2010	Sunday 17 October 2010	Monday 18 October 2010	Tuesday 19 October 2010	Wednesday 20 October 2010
8:00 – 9:00 am Introduction to the balance system (Neurology) Prof.Abdulrahman Al- Tahan	8:00 ~ 9:00am Introduction to the cerebellum and 8 th cranial nerve (Physiology) Prof. Sultan	8:00-9:00am Physiology of the cerebellum (Physiology) Prof. Sultan	8:00 ~ 9:00am Drugs related to balance system (Pharmacology) Dr.Osama	8:00 ~ 9:00 am Physiology of postural reflexes (Physiology) Prof. Ashraf
9:00 ~ 10:00 am Physiology of the proprioceptors in Balance (Physiology) Prof. Ashraf	9:00 – 10:00 am Anatomy of the cerebellum and the relevant connections (Anatomy) Dr.Ahamed Fathalla	9:00 – 10:00am Self Directed Learning	9:00 – 10:00am Self Directed Learning	9:00 ~ 10:00 am Epilepsy (Neurology) Prof.Saad Al- Rajeh
10:00 ~ 11:00am Self Directed Learning	10:00 ~ 11:00am Physiology of the inner ear (Physiology) Prof. Gader	10:00 ~ 12:00pm Self Directed Learning	10:00 ~ 11:00 am Self Directed Learning	10:00 ~ 11:00am Physiology of sleep (Physiology) Dr. Taha
11:00~ 12:00pm Pathways of proprioception (Physiology) Prof. Ashraf	11:00~ 12:00pm Self Directed Learning		11:00~ 12:00pm Self Directed Learning	11:00~ 12:00pm Self Directed Learning
Lunch 12:00~ 1:00 pm	Lunch 12:00~ 1:00 pm	Lunch 12:00~ 1:00 pm	Lunch 12:00~ 1:00 pm	Lunch 12:00~ 1:00 pm
1:00 ~ 3:00 pm Definition and key elements of professionalism. General concepts of professionalism (Professionalism)	1:00 ~ 3:00 pm <u>Practical</u> of cerebellum and 5-12 cranial nerve3 (Anatomy) Ali	1:00 ~ 3:00 pm Salam	1:00 ~ 3:00 pm Ataxia and examination of the balance system (Introduction to clinical medicine) Dr.Ahamed Abuelnaja	1:00 ~ 3:00 pm Self Directed Learning

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WEEK 5 – NERVOUS SYSTEM BLOCK (Male-Group A)

Week (5) Starting:

23/10/2010 (15/11/1431H)

Cerebral Hemisphere & Blood Circulation

CHAIR PERSON : Prof. Sultan Ayoub Meo

CO-CHAIR: Dr. Omar Al-Habib

Saturday 23 October 2010	Sunday 24 October 2010	Monday 25 October 2010	Tuesday 26 October 2010	Wednesday 27 October 2010
8:00 – 9:00 am Anatomy of the cerebral hemispheres (Anatomy) Dr.Essameldin Salama	8:00 - 9:00am Physiology of speech (Physiology) Dr. Shahid	8:00-9:00am Pathogenesis and risk factors of cerebrovascular accidents (Pathology) Dr.Hisham Al-Khalidi	8:00 - 9:00am Upper and lower neuron lesions (Physiology) Prof. Ashraf	8:00 - 9:00 am Radiology of cerebral hemisphere (Radiology) Prof.Ibrahim Al-Orini
9:00 – 10:00 am Cerebral blood circulation {arteries and veins} (Anatomy) Dr.Ahamed Fathalla	9:00 – 10:00 am Understanding the physiological basis of speech disorders (Neurology) Dr.Fawaz Al-Hussain	9:00 – 10:00am Self Directed Learning	9:00 – 10:00am Embryology of cerebral hemisphere and cerebellum (Lecture, Anatomy) Dr.Saeed Abul Makarem	9:00 - 10:00 am Physiology of consciousness (Physiology) Dr. Taha
10:00 - 11:00am Functions of cerebral hemisphere (Physiology) Prof. Ashraf	10:00- 11:00 am Pathogenesis of cerebral infarction at cellular and molecular levels ((Biochemistry) Dr.Amr Moustafa	10:00 - 12:00pm <u>Practical</u> Examination of the motor system and reflexes (Physiology)	10:00 - 11:00 am Self Directed Learning	10:00 - 11:00am Drugs used in headache and migraine (Pharmacology) Dr. Mahesar
11:00 - 12:00 pm Physiology of brain transmitters (Physiology) Dr. Taha	11:00- 12:00 pm Autoregulation of cerebral blood flow (Physiology) Prof. Sultan		11:00-12:00 pm Spasticity and increased muscle tone (Physiology) Dr. Taha	11:00- 12:00 pm Self Directed Learning
Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm
1:00 - 3:00 pm <u>Practical</u> Cerebral hemisphere (Anatomy) All	1:00 -3:00pm Small Group Learning(PBL) Case 4 Part 1	1:00 - 3:00 pm Salam	1:00 - 3:00 pm Localization of the lesions of the nervous system (Introduction to clinical medicine) Dr.Ahamed Abuelnaja	1:00 -3:00pm Small Group Learning(PBL) Case 4 Part 2
	3:00 – 4:00pm Self-Directed Learning			3:00 – 4:00pm Self-Directed Learning

WEEK 6 – NERVOUS SYSTEM BLOCK (Male-Group A)

Week (6) Starting:

30/10/2010 (22/11/1431H)

Neuropsychiatric Disorders and Basal Ganglia

CHAIR PERSON : Prof. Sultan Ayoub Meo

CO-CHAIR: Dr. Omar Al-Habib

Saturday 30 October 2010	Sunday 31 October 2010	Monday 01 November 2010	Tuesday 02 November 2010	Wednesday 03 November 2010
Mid Exam	8:00 ~ 9:00am Anatomy of the limbic system and thalamus (Anatomy) Dr.Ahamed Fathalla	8:00 ~ 9:00am Introduction to neuropsychiatric disorders (Psychiatry) Dr.Bazaid	8:00 ~ 9:00am Schizophrenia (Psychiatry) Dr.Al-Osaimi	8:00 ~ 9:00 am Drugs used in chronic pain (Pharmacology) Dr.Osama
	9:00 – 10:00 am Pathogenesis and pathology of parkinsonism (Pathology) Dr.Hisham Al-Khalidi	9:00 – 10:00am Drugs used in epilepsy (Pharmacology) Prof.Al-Humayyd	9:00 – 10:00am Pain modulation (Physiology) Prof. Ashraf	9:00 ~ 10:00 am Drugs used in depression- old groups (Pharmacology) Prof.Al-Haider
10:00 ~ 11:00am Anatomy of the basal ganglia and connections (Anatomy) Dr.Khaleel Al-Yahiya	10:00- 12:00 pm Accountability and professional responsibilities (Professionalism)	10:00 ~ 11:00am Self Directed Learning	10:00 ~ 11:00 am Drugs used in epilepsy (Pharmacology) Prof.Al-Humayyd	10:00 ~ 11:00am Self Directed Learning
11:00 ~ 12:00 pm Physiology of basal ganglia and regulatory mechanisms (Physiology) Dr. Shahid		11:00- 12:00pm Depression (Psychiatry) Dr.Al-Jarad	11:00 ~ 12:00 pm Drugs used in anxiety and panic disorders (Pharmacology) Dr.Osama	11:00- 12:00pm Self Directed Learning
Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm
1:00 ~ 2:00 pm Drugs used in parkinsonism (Pharmacology) Prof.Al-Haider	1:00 ~3:00pm Small Group Learning(PBL) Case 5 Part 1 3:00 – 4:00pm Self-Directed Learning	1:00 ~ 2:00 pm Salam	1:00 ~ 2:00 pm Drugs used in schizophrenia (Pharmacology) Prof.Al-Motrefi	1:00 ~3:00pm Small Group Learning(PBL) Case 5 Part 2 3:00 – 4:00pm Self-Directed Learning

WEEK 7 – NERVOUS SYSTEM BLOCK (Male-Group A)

Week (7) Starting:

6/11/2010 (29/11/1431H)

Cerebrospinal Circulation and CNS Infections

CHAIR PERSON : Prof. Sultan Ayoub Meo

CO-CHAIR: Dr. Omar Al-Habib

Saturday 06 November 2010	Sunday 07 November 2010	Monday 08 November 2010	Tuesday 09 November 2010	Wednesday 10 November 2010
8:00 – 9:00 am Anatomy of the meninges, CNS cavities, and CSF circulation (Anatomy) Dr.Saeed Abul Makarem	8:00 ~ 9:00am Microbiology of acute pyogenic meningitis (Microbiology) Dr.Ali Somily	8:00-10:00am <u>Practical</u> neuopathology II (Pathology) Dr.Amer Shefi	8:00 ~ 9:00am Pathology of meningitis and its complications (Pathology) Dr.Hisham Al-Khaldi	8:00 ~ 9:00 am Cerebral TB and other chronic cerebral infections (Microbiology) Prof.Kambal
9:00 ~ 10:00 am Drugs used in depression- new groups (Pharmacology) Prof.Al-Haider	9:00 – 10:00 am Congenital malformations and Hydrocephalus (Pathology) Dr.Hisham Al-Khaldi		9:00 – 10:00am Biochemical aspects of CSF (Biochemistry) Dr.Chishti	9:00 ~ 10:00 am Cerebral malaria (Microbiology) Prof.Adeel
10:00 ~ 11:00am Self Directed Learning	10:00~ 11:00 am Self Directed Learning	10:00 ~ 11:00am Self Directed Learning	10:00 ~ 11:00 am Drugs used in meningitis (Pharmacology) Prof.Al-Humayyd	10:00 ~ 12:00pm <u>Practical</u> Biochemical aspects of CSF (Biochemistry) Dr.Amr Moustafa
11:00 ~ 12:00 pm Self Directed Learning	11:00 ~ 12:00 pm Viral infections of the CNS (Microbiology) Dr.Ali Somily	11:00~ 12:00pm Fungal infections of the CNS (Microbiology) Dr.Al-Barrag	11:00 ~ 12:00 pm Self Directed Learning	
Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm	Lunch 12:00- 1:00 pm
1:00 ~ 3:00 pm Initiative, integrity and trustworthiness (Professionalism)	1:00 ~3:00pm Small Group Learning(PBL) Case 6 Part 1 3:00 – 4:00pm Self-Directed Learning	1:00 ~ 3:00 pm Salam	1:00 ~ 3:00 pm Self Directed Learning	1:00 ~3:00pm Small Group Learning(PBL) Case 6 Part 2 3:00 – 4:00pm Self-Directed Learning

WEEK 8 – NERVOUS SYSTEM BLOCK (Male-Group A)

Week (8) Starting:

20/11/2010 (14/12/1431H)

Ageing and Trauma of the Nervous system

CHAIR PERSON : Prof. Sultan Ayoub Meo

CO-CHAIR: Dr. Omar Al-Habib

Saturday 20 November 2010	Sunday 21 November 2010	Monday 22 November 2010	Tuesday 23 November 2010	Wednesday 24 November 2010
Vacation	Vacation	8:00 ~ 9:00am Ageing and changes in the brain (Physiology) Dr. Shahid	8:00 ~ 9:00am Biochemical aspects of Alzheimer (Biochemistry) Dr.Chishti	8:00 ~ 9:00 am Pathological aspects of trauma and cellular aspects of injury (Pathology) Dr.Hisham Al-Khalidi
		9:00 – 10:00am Causes and pathology of dementia (Pathology) Dr.Hisham Al-Khalidi	9:00 – 10:00am Vitamin B 12 (Biochemistry) Dr.Ussman	9:00 ~ 10:00 am Self Directed Learning
		10:00 ~ 11:00am Self awareness and self care (Professionalism)	10:00 ~ 11:00 am Drugs used in dementia (Pharmacology) Dr.Saeed	10:00 ~ 11:00am Delirium vs dementia (Neurology) Dr.Mansor Al- Moalim
		11:00~ 12:00pm Vitamin B1, B6 (Biochemistry) Dr.Ussman	11:00 ~ 12:00 pm Radiological aspects of nervous system trauma (Radiology) Dr.Fahad Al-Bader	11:00~ 12:00pm Head injuries in Saudi Arabia: incidence, mechanisms, and causes (Neurosurgery) Dr.Amro Al-Habib
		Lunch 12:00~ 1:00 pm	Lunch 12:00~ 1:00 pm	Lunch 12:00~ 1:00 pm
		1:00 ~ 3:00 pm Salam	1:00 ~ 2:00 pm Alcohol and the brain (Pharmacology) Prof.Al-Haider	1:00 ~ 3:00 pm Self Directed Learning

LECTURE THEATER A

Room No.2141, Level 2

NERVOUS SYSTEM BLOCK

Anatomy

- Organization of the CNS
- Anatomy of the spinal cord
- Brachial plexus and radial nerve
- Embryological development of the spinal cord and vertebral column
- Median and ulnar nerves
- Sacral plexus, sciatic nerve and femoral nerve
- Anatomy of brainstem
- Internal structure of the brainstem
- Anatomy of CN 9 & 10
- Normal cells of the CNS
- Anatomy of CN 11 & 12
- Anatomy of the ear
- Cranial nerve 8
- Cranial nerves 2,3,4,6
- Anatomy of the nose and olfactory nerve
- Nerve supply of the face (cranial nerves 5 and 7)
- Anatomy of the cerebellum and the relevant and the relevant connections
- Anatomy of the cerebral hemispheres
- Cerebral blood circulation
- Embryology of cerebral hemisphere and cerebellum
- Anatomy of the basal ganglia and connections
- Anatomy of the limbic system and thalamus
- Anatomy of the meninges, CNS cavities, and CSF circulation

Physiology

- Physiology of synapses and receptors
- Anatomy and physiology of sympathetic nervous system
- Spinal cord functions and reflexes
- Anatomy and physiology of parasympathetic nervous system
- Stretch reflex and tendon jerks
- Physiology of pain
- Physiology of the brainstem
- Physiology of hearing
- Physiology of the eye & refraction
- Photo transduction in light and dark
- Physiology of color vision
- Vision, accommodation and light pathways and effects of lesions
- Physiology of smell
- Physiology of the proprioceptors in balance
- Pathways of proprioceptions
- Introduction to the cerebellum and 8th cranial nerve
- Physiology of the inner ear
- Physiology of the cerebellum

- Physiology of postural reflexes
- Physiology of sleep
- Functions of cerebral hemisphere
- Physiology of brain transmitters
- Physiology of speech
- Autoregulation of cerebral blood flow
- Upper and lower neuron lesions
- Spasticity and increased muscle tone
- Physiology of consciousness
- Physiology of basal ganglia and regulatory mechanisms
- Physiology of pain control system
- Ageing and changes in the brain

Pathology

- Pathology of brain tumors-I
- Pathology of brain tumors-II
- Pathology and pathogenesis of multiple sclerosis
- Pathogenesis and risk factors of cerebral vascular accidents
- Pathogenesis and pathology of parkinsonism
- Congenital malformations and hydrocephalus
- Pathology of meningitis and its complications
- Pathological aspects of trauma and cellular aspects of injury

Microbiology

- Microbiology of ear infection
- Microbiology of acute pyogenic meningitis
- Viral infections of the CNS
- Fungal infections of the CNS
- Cerebral TB and other chronic cerebral infections
- Cerebral malaria

Biochemistry

- Biochemistry of myelin
- Vitamin A
- Pathogenesis of cerebral infarction at cellular levels
- Biochemical aspects of CSF
- Biochemical aspects of Alzheimer
- Vitamin B1 and B6
- Vitamin B12

Pharmacology

- Pharmacology of the ANS
- Drugs affecting the balance system
- Drugs used in epilepsy
- Drugs used in anxiety and panic disorders
- Drugs used in headache and migraine
- Drugs used in chronic pain
- Drugs used in depression- old groups

- Drugs used in depression- new groups
- Drugs used in meningitis
- Alcohol and the brain
- Drugs used in dementia

Neurology

- Sensory tracts
- Introduction to the balance system
- Epilepsy
- Delirium vs dementia

Neurosurgery

- Head injuries in Saudi Arabia: incidence, mechanisms and causes

Psychiatry

- Introduction to neuropsychiatric disorders
- Depression
- Schizophrenia

Radiology

- Radiology of brain tumors
- Radiology of cerebral hemisphere
- Radiological aspects of nervous system trauma

Introduction to Clinical Medicine

- Examination of sensory system
- Examination of the motor system and reflexes
- Localization of the lesions of the nervous system
- Color vision, light and accommodation reflex
- Clinical examination of cranial nerves
- Ataxia and examination of the balance system
- Becoming a student in a PBL tutorial
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Professionalism

- Introduction to the course and overview about professionalism
- Definitions and key elements of professionalism. General concepts of professionalism
- Accountability and professional responsibilities
- Initiative, integrity and trustworthiness
- Self awareness and self care