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| **WEEK 1 – NERVOUS SYSTEM BLOCK (Male-Group A)** |
| **Week (1 ) Starting: 01/9/2012 (14/10/1433H)****ANS, Spinal Cord & Peripheral Nerves** |
| **CHAIR PERSON: Prof. Sultan Ayoub Meo** |
| **CO-CHAIR: Dr. Amro Al-Habib** |
| **Saturday****01 September 2012** | **Sunday****02 September 2012** | **Monday****03 September 2012** | **Tuesday****04 September 2012** | **Wednesday****05 September 2012** |
| **8:00 - 9:00 am****NO LECTURE****General Orientation** | **8:00-10:00am**Small Group Learning(PBL)**Case 1 Part 1** | **8:00 - 9:00 am**Spinal cord Functions & reflexes **(Physiology)****Dr. Taha** | **8:00 - 9:00am**Median and ulnar nerves**(Anatomy)****Dr. Vohra** | **8:00 - 10:00 am**Small Group Learning(PBL)**Case 1 Part 2** |
| **9:00 - 10:00 am**Organization of the CNS**(Anatomy)****Prof. Saeed Abumakarem** | **9:00 - 10:00 am**Brachial plexus and radial nerve**(Anatomy)****Dr. Vohra** | **9:00 - 11:00am****Practical**Spinal cord**(Histology)****All** |
| **10:00 - 11:00am**Physiology ofsynapses and receptors**(Physiology)****Dr. Taha** | **10:00 – 11:00am**Anatomy and physiology of sympathetic nervous system**(Physiology)****Prof. Sultan** | **10:00 - 11:00am**Pharmacology of central neurotransmitters**(Pharmacology)****Prof. Al Haider** | **10:00 - 11:00 am**Sacral plexus, sciatic nerve and femoral nerve**(Anatomy)****Prof. Saeed Abumakarem**  |
| **11:00- 12:00 pm**Anatomy of the spinal cord**(Anatomy)****Dr. Khaleel Al Yahiya** | **11:00- 12:00 pm**Anatomy and physiology of theparasympathetic NS**(Physiology)****Prof. Sultan** | **11:00 - 12:00 pm**Embryological development of the spinal cord and vertebral column**(Anatomy)****Prof. Ahmed Fathalla** | **11:00 - 12:00 pm**Stretch reflex & tendon jerks**(Physiology)** **Dr. Taha**  | **11:00 – 12:00pm**Physiology of pain **(Physiology)** **Prof. Ashraf**  |
| **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****INTRODUCTORY LECTURE** | **1:00 -3:00pm****Practical**Dermatomes, myotomes and surface anatomy**(Anatomy)****All** | **1:00 - 2:00 pm**Physiology of motor tracts **(Physiology)****Dr. Taha** | **1:00 - 2:00 pm****Self-Directed Learning** | **1:00 – 3:00pm**Examination of sensory system**(Introduction to Clinical Medicine)****Group A1** |
| **2:00 – 3:00pm**Sensory tracts **(Anatomy)**  **Dr. Essam Salama** | **2:00 – 3:00pm**Spinal cord**(Radiology)****Dr. Taja Al Dean** |
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| **WEEK 2 – NERVOUS SYSTEM BLOCK (Male-Group A)** |
| **Week (2 ) Starting: 08/09 /2012 (21 /10/1433 H)****Brainstem & Related Cranial Nerves** |
| **CHAIR PERSON : Prof. Sultan Ayoub Meo** |
| **CO-CHAIR: Dr. Amro Al-Habib** |
|  **Saturday** **08 September 2012** | **Sunday****09 September 2012** | **Monday****10 September 2012** | **Tuesday****11 September 2012** | **Wednesday****12 September 2012** |
| **8:00 - 9:00 am**Anatomy of brainstem**(Anatomy)****Prof. Ahmed Fathalla** | **8:00-10:00 am**Small Group Learning(PBL)**Case 2 Part 1** | **8:00-9:00am**Anatomy ofCN 11 & 12**(Anatomy)****Dr. Essam Salama** | **8:00 - 9:00am**Pathology of brain tumors –II**(Pathology)****Dr.Hisham Al-Khalidi** | **8:00 -10:00 am**Small Group Learning(PBL)**Case 2 Part 2** |
| **9:00 - 10:00 am**Internal structures of the brainstem**(Anatomy)****Dr. Vohra** | **9:00 - 10:00 am**Pathology of brain tumors –I**(Pathology)****Dr.Hisham Al-Khalidi** | **9:00 - 10:00 am**Radiology of brain stem and cerebellum **(Radiology)****Dr. Hamdy Hassan** |
| **10:00 - 11:00am**Physiology of the brainstem**(Physiology)****Prof. Ashraf** | **10:00 -11:00 am**Normal cells of the CNS**(Histology)****Dr. Ali Mohammad** | **10:00 - 11:00am****Self-Directed Learning** | **10:00 - 12:00pm**Examination of sensory system**(Introduction to Clinical Medicine)****Group A2** | **10:00 - 12:00 pm****Practical**Neuropathology I **(Pathology)****Dr.Amer Shafie/Dr. al Khalidi** |
| **11:00- 12:00 pm**Anatomy ofCN 9&10**(Anatomy)****Dr. Essam Salama** | **11:00 - 12:00 pm**Becoming a student in a PBL tutorial**Prof. Azer** | **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****Practical**Brainstem & CNs **(Anatomy)****All** | **1:00 -3:00pm****Practical**EMG/nerve conduction**(Physiology)** | **1:00 - 3:00 pm****Salam** | **1:00 - 2:00 pm**Pathology and pathogenesis of multiple sclerosis**(Pathology)****Dr.Hisham Al-Khalidi** | **1:00 -3:00****Practical**brachial plexus and lumbosacral Plexus**(Anatomy)****All** |
| **2:00 – 3:00****Self-Directed Learning** |
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| **WEEK 3 – NERVOUS SYSTEM BLOCK (Male-Group A)** |
| **Week (3 ) Starting: 15/09 /2012 (28 /10/1433 H)****Hearing & Special Senses** |
| **CHAIR PERSON : Prof. Sultan Ayoub Meo** |
| **CO-CHAIR: Dr. Amro Al-Habib** |
| **Saturday** **15 September 2012** | **Sunday****16 September 2012** | **Monday****17 September 2012** | **Tuesday****18 September 2012** | **Wednesday****19 September 2012** |
| **8:00 – 9:00 am**Anatomy of the Ear**(Anatomy)****Dr. Essam Salama** | **8:00 - 10:00 am**Small Group Learning(PBL)**Case 3 Part 1** | **8:00-9:00am**Microbiology of middle ear infection**(Microbiology)****Prof. Kambal**  | **8:00 - 9:00 am**Physiology of the eye & refraction**(Physiology)****Prof. Gader** | **8:00 -10:00 am**Small Group Learning(PBL)**Case 3 Part 2** |
| **9:00 - 10:00 am**Vision,Accommodation & the light pathways and effects of lesions­**(Physiology)****Prof. Gader** | **9:00 – 10:00am****Self Directed****Learning** | **9:00 – 10:00am**Cranial nerves: 2, 3, 4, 6**(Anatomy)****Prof. Saeed Abumakarem** |
| **10:00 - 11:00am**Nerve supply of the face (Cranial nerves 5 and 7)**(Anatomy)****Prof. Saeed Abumakarem** | **10:00 - 11:00am**Cranial nerve number 8**(Anatomy)****Prof. Ahmed Fathalla** | **10:00 – 11:00 am**Introduction to the course and overview about professionalism**(Professionalism)**Dr. kamran Sattar | **10:00- 12:00pm****Practical**Audiometry**(Physiology)** | **10:00 - 11:00am**Anatomy of the nose and olfactory nerve**(Anatomy)****Dr. Vohra** |
| **11:00- 12:00pm****Self Directed****Learning** | **11:00 12:00pm**Physiology of hearing**(Physiology)****Prof. Gader** | **11:00- 12:00pm**Photo transduction in light and dark**(Physiology)****Prof. Gader** | **11:00- 12:00pm** Vitamin A**(Biochemistry)****Dr. Usman Ghani** |
| **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****Self Directed****Learning** | **1:00 -3:00pm**Motor examination**(Introduction to clinical medicine)****Group A-1** | **1:00 -3:00 pm****Salam** | **1:00 - 2:00 pm**Physiology of color vision**(Physiology)****Prof. Gader** | **1:00 -3:00pm**Motor examination**(Introduction to clinical medicine)****Group A-2** |

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| **WEEK 4 – NERVOUS SYSTEM BLOCK (Male-Group A)** |
| **Week (4 ) Starting: 22/09/2012 (06/11/1433 H)****The Balance System** |
| **CHAIR PERSON : Prof. Sultan Ayoub Meo** |
| **CO-CHAIR: Dr. Amro Al-Habib** |
|  **Saturday** **22 September 2012** | **Sunday****23 September 2012** | **Monday****24 September 2012** | **Tuesday****25 September 2012** | **Wednesday****26 September 2012** |
| **8:00 – 9:00 am**Anatomy of the cerebellum and the relevant connections**(Anatomy)****Prof. Ahmed Fathalla** | **National Holiday** | **8:00-9:00am**Pathways of proprioception**(Physiology)****Prof. Ashraf** | **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 cerebellum**(Physiology)****Prof. Sultan** | **9:00 – 10:00am**Physiology of the inner ear**(Physiology)****Prof. Gader** | **9:00 – 10:00am**Introduction to the cerebellum and 8th cranial nerve**(Physiology)****Prof. Sultan** | **9:00 - 10:00 am**Epilepsy**(Neurology)** |
| **10:00 - 11:00am**Introduction to the balance system**(Neurology)** | **10:00 - 11:00** **am**Physiology of taste and smell**(Physiology)****Prof. Gader** | **10:00 - 12:00pm****Practical**Anatomy of cerebellum and 5-12 cranial nerve3**(Anatomy)****All** | **10:00 - 11:00am**Physiology of sleep**(Physiology)****Dr. Taha** |
| **11:00- 12:00pm**Physiology of the proprioceptors in Balance**(Physiology)****Prof. Ashraf** | **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** |
| **1:00 - 3:00 pm**Definition and key elements of professionalism. General concepts of professionalism**(Professionalism)****Prof. Azer** | **1:00 - 3:00 pm****Salam** | **1:00 - 3:00 pm****Practical**Color Vision, light and accommodation reflex**(Physiology)** | **1:00 - 3:00 pm**Clinical examination of cranial nerves**(Introduction to clinical medicine)****Group A2** |

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| **WEEK 5 – NERVOUS SYSTEM BLOCK (Male-Group A)** |
| **Week (5 ) Starting: 29/09/92012 (13/11/1433 H)****Cerebral Hemisphere & Blood Circulation** |
| **CHAIR PERSON : Prof. Sultan Ayoub Meo** |
| **CO-CHAIR: Dr. Amro Al-Habib** |
| **Saturday** **29 September 2012** | **Sunday****30 September 2012** | **Monday****01 October 2012** | **Tuesday****02 October 2012** | **Wednesday****03 October 2012** |
| **8:00 – 10:00 am****MIDTERM EXAM** | **8:00 - 10:00 am**Small Group Learning(PBL) **Case 4 Part 1** | **8:00-9:00am**Autoregulation of cerebal blood flow **(Physiology)** **Prof. Sultan** | **8:00 - 9:00am**Upper and lower neuron lesions**(Physiology)****Prof. Ashraf** | **8:00 -10:00 am** Small Group Learning(PBL) **Case 4 Part 2** |
| **9:00 – 10:00am**Radiology of cerebral hemisphere**(Radiology)****Prof. Ibrahim Al Orini** | **9:00 – 10:00am**Physiology of speech**(Physiology)****Dr. Shahid** |
| **10:00 - 11:00am**Anatomy of the cerebral hemispheres**(Anatomy)****Dr. Essam Salama** | **10:00- 11:00 am**Embryology of cerebral hemisphere and cerebellum**(Anatomy)****Prof. Saeed Abumakarem** | **10:00 - 11:00am**Cerebral blood circulation{arteries and veins}**(Anatomy)****Dr. Khaleel Al Yahiya** | **10:00 - 11:00** **am**Pathological aspects of trauma and cellular aspects of injury**(Pathology)****Dr.Hisham Al-Khalidi** | **10:00 - 11:00am**Drugs used in epilepsy-I**(Pharmacology)****Dr. Ishfaqe Bokhari**  |
| **11:00- 12:00 pm** Functions of cerebral hemisphere**(Physiology)****Prof. Ashraf** | **11:00- 12:00 pm** Physiology of brain transmitters **(Physiology)****Dr. Taha** | **11:00-12:00 pm**Pathogenesis and risk factors of cerebrovascular accidents-II**(Pathology)****Dr.Hisham Al-Khalidi** | **11:00-12:00 pm** Understanding the physiological basis of speech disorders**(Neurology)** | **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****Practical**Radiology and anatomy of cerebral hemisphere**(Anatomy& Radiology)****All** | **1:00 -2:00pm**Pathogenesis of cerebral infarction at cellular and molecular levels **(Biochemistry)****Dr. Amr Moustafa** | **1:00 - 3:00 pm****Salam** | **1:00 - 3:00 pm**Clinical examination of cranial nerves**(Introduction to clinical medicine)****Group A1** | **1:00 -2:00pm**Spasticity and increased muscle tone **(Physiology)****Dr. Taha**  |
| **2:00 – 3:00pm**Pathogenesis and risk factors of cerebrovascular accidents-I**(Pathology)****Dr.Hisham Al-Khaldi** |
| **2:00 – 3:00pm****Self-Directed Learning** |

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| **WEEK 6 – NERVOUS SYSTEM BLOCK (Male-Group A)** |
| **Week (6 ) Starting: 06/10/2012 (20/11/1433 H)****Neuropsychiatric Disorders and Basal Ganglia** |
| **CHAIR PERSON : Prof. Sultan Ayoub Meo** |
| **CO-CHAIR: Dr. Amro Al-Habib** |
| **Saturday** **06 October 2012** | **Sunday****07 October 2012** | **Monday****08 October 2012** | **Tuesday****09 October 2012** | **Wednesday****10 October 2012** |
| **8:00 – 9:00 am**Physiology of consciousness**(Physiology)****Dr. Taha**  | **8:00 - 10:00 am**Small Group Learning(PBL)**Case 5 Part 1** | **8:00 - 9:00am**Drugs used in anxiety and panic disorders **(Pharmacology)** **Dr. Osama** | **8:00 - 9:00am**Depression **(Psychiatry)****Dr. Al Jarad** | **8:00 - 10:00 am**Small Group Learning(PBL)**Case 5 Part 2** |
| **9:00 – 10:00am**Drugs used in epilepsy-II**(Pharmacology)****Dr. Ishfaqe Bokhari** | **9:00 – 10:00am**Physiology of basal ganglia and regulatory mechanisms**(Physiology)****Dr. Shahid** | **9:00 – 10:00am**Drugs used in headache and migraine**(Pharmacology)****Dr. Mahesar** |
| **10:00 - 11:00am**Anatomy of the basal ganglia and connections**(Anatomy)****Prof. Ahmed Fathalla** | **10:00- 11:00 am**Drugs used in management of pain**(Pharmacology)****Dr. Osama** | **10:00 - 11:00am**Biochemical aspect of Alzheimer**(Biochemistry)****Dr. Amr Moustafa** | **10:00 - 11:00 am****Self-Directed Learning** | **10:00 - 11:00am**Drugs used in depression- new groups**(Pharmacology)****Prof. Al Haider** |
| **11:00 - 12:00 pm**Pain modulation**(Physiology)****Prof. Ashraf** | **11:00- 12:00pm**Introduction to degenerative brain disease**(Pathology)****Dr.Hisham Al-Khalidi** | **11:00- 12:00pm**Drugs used in parkinsonism **(Pharmacology)** **Prof. Al Haider** | **11:00 - 12:00 pm** Drugs used in depression- old groups**(Pharmacology)****Prof. Al Haider** | **11:00- 12:00pm****Feedback in midterm examination** |
| **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**Anatomy of the limbic system and thalamus**(Anatomy)****Prof. Saeed Abumakarem** | **1:00 -2:00pm**Introduction to neuropsychiatric disorders**(Psychiatry)****Dr. Bazaid** | **1:00 - 2:00 pm****Salam** | **1:00 - 3:00 pm**Accountability and professional responsibilities**(Professionalism)****Prof. Samy Azer** | **1:00 -3:00pm****Self-Directed Learning** |

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| **WEEK 7 – NERVOUS SYSTEM BLOCK (Male-Group A)** |
| **Week (7 ) Starting: 13/10/2012 (27/11/1433 H)** **Cerebrospinal Circulation and CNS Infections** |
| **CHAIR PERSON : Prof. Sultan Ayoub Meo** |
| **CO-CHAIR: Dr. Amro Al-Habib** |
| **Saturday****13 October 2012** | **Sunday****14 October 2012** | **Monday****15 October 2012** | **Tuesday****16 October 2012** | **Wednesday****17 October 2012** |
| **8:00 – 9:00 am**Anatomy of the meninges, CNS cavities, and CSF circulation**(Anatomy)****Dr. Essam Salama** | **8:00 - 10:00 am**Small Group Learning(PBL)**Case 6 Part 1** | **8:00-10:00am****Practical**Neuropathology II**(Pathology)****Dr. Amer Shafie/Dr Al Khalidi** | **8:00 - 9:00am****Self Directed****Learning** | **8:00 - 10:00 am**Small Group Learning(PBL)**Case 6 Part 2** |
| **9:00 - 10:00 am**Schezophrenia**(Psychiatry)****Dr. Al Osaimi** | **9:00 – 10:00am**Biochemical aspects of CSF **(Biochemistry)** **Dr. Amr Moustafa** |
| **10:00 - 11:00am**Congenital malformations and hydrocephalus**(Pathology)****Dr.Hisham Al-Khalidi** | **10:00- 11:00** **am**Microbiology of acute pyogenic meningitis**(Microbiology)****Dr. Ali Somily** | **10:00 - 11:00am**Fungal infections of the CNS**(Microbiology)****Dr. Ahmed Al Barrag** | **10:00 - 11:00** **am**Drugs used in meningitis**(Pharmacology)****Dr. Ishfaqe Bokhari**  | **10:00 - 12:00pm****Integrated Practical**Biochemical and microbiological aspects of CSF**(Biochemistry & Microbiology)****All Satff**  |
| **11:00 - 12:00 pm**Drugs used in schizophrenia**(Pharmacology)****Prof. Al Motrefi** | **11:00 - 12:00 pm** Pathology of meningitis and its complications**(Pathology)****Dr.Hisham Al-Khalidi** | **11:00- 12:00pm****Self Directed Learning** | **11:00 - 12:00 pm**  Cerebral TB and other chronic cerebral infections**(Microbiology)****Prof. Kambal** |
| **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)****Dr. Shaikh Mujeeb** | **1:00 -2:00pm**  Viral infections of the CNS **(Microbiology)** **Dr. A.K Al Hatheel** | **1:00 - 3:00 pm****Salam** | **1:00 - 3:00 pm****Self Directed Learning** | **1:00 -2:00pm** Cerebral malaria**(Microbiology)****Prof. Adeel** |
| **2:00 - 3:00pm** **Self-Directed Learning** |

* **Week 8 - 20/10/2012 – 24/10/2012 – Hajj Vacation**
* **Week 9 - 27/10/2012 – 31/10/2012 – Hajj Vacation**

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| **WEEK 10 – NERVOUS SYSTEM BLOCK (Male-Group A)** |
| **Week (10 ) Starting: 03/11/2012 (18/12/1433 H)****Ageing and Trauma of the Nervous system**  |
| **CHAIR PERSON : Prof. Sultan Ayoub Meo** |
| **CO-CHAIR: Dr. Amro Al-Habib** |
| **Saturday****03 November 2012** | **Sunday****04 November 2012** | **Monday****05 November 2012** | **Tuesday****06 November 2012** | **Wednesday****07 November 2012** |
| **8:00 – 9:00am**Ageing and changes in the brain**(Physiology)****Dr. Shahid** | **8:00 – 9:00am****Self Directed Learning** | Consolidation | Consolidation | Consolidation |
| **9:00 – 10:00am****Self Directed Learning** | **9:00 – 10:00am****Self Directed Learning** |
| **10:00 – 11:00am**Alcohol and the brain **(Pharmacology)****Dr. Bokhari**  | **10:00 – 11:00am****Self Directed Learning** |
| **11:00 – 12:00pm**Vitamin B6 and B12**(Biochemistry)****Dr. Amr Moustafa** | **11:00 – 12:00pm****Self Directed Learning** |
| **Lunch****12:00- 1:00 pm** | **Lunch****12:00- 1:00 pm** |
| **1:00 – 2:00pm** **Self Directed Learning** | **1:00 – 2:00pm****Self Directed Learning** |
| **2:00 – 3:00pm****Self Directed Learning** | **2:00 – 3:00pm****Self Directed Learning** |

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