

INTENSIVE COURSE IN BASIC SCIENCES FOR SURGICAL SPECIALITIES

(A GATEWAY TO YOUR CAREER PATH)

All the teaching sessions will be conducted in Block A, Level 1, Lecture Theatre 1 A/B, Day 1, Saturday, 1st of April 2017

Registration: 7:45 AM to 8:30 AM*

Time	Subject	Lecturer/Discussion Topic
8.30 – 10.00 am	ANATOMY	Abdominal walls, surgical incisions and inguinal region.
10.00 – 10.30 am	TEA BREAK	
10.30 – 11.30 am	PHYSIOLOGY	Surgical physiology of body fluid and electrolytes.
11.30 – 12.30 pm	PHYSIOLOGY	Normal acid-base balance and regulatory mechanisms.
12.30 – 2.00 pm	LUNCH BREAK	
2.00 – 3.00 pm	PATHOLOGY	Cellular injury and tissue response. - Necrosis and apoptosis.
3:00 pm- 4:00pm	PATHOLOGY	Acute and chronic inflammation. - Healing and repair; bone healing.
4:00 pm- 5:30 pm	ANATOMY	Oesophagus, stomach, intestines, blood supply and lymphatics.

Day 2, Sunday, 2nd April 2017

Time	Subject	Lecturer/Discussion Topic
8.30 – 10.00 am	ANATOMY	Rectum and anal canal, ischio-anal fossa, hepato-biliary system and spleen.
10.00 – 10.30 am	TEA BREAK	
10.30 – 11.30 am	PR. SURGERY	Fluid and electrolytes management of surgical patient.
11.30 – 12.30 pm	PR. SURGERY	Haemostasis, surgical bleeding and transfusion.
12.30 – 2.00 pm	LUNCH BREAK	
2.00 – 3.00 pm	PHYSIOLOGY	Abnormal acid base imbalance and regulatory mechanisms.
3:00 pm- 4:00pm	PHYSIOLOGY	Surgical aspects of cardiac muscle and cardiac cycle.
4:00 pm- 5:30 pm		

Day 3, Saturday, 8th April 2017

Time	Subject	Lecturer/Discussion Topic
8.30 – 10.00 am	ANATOMY	Uro-genital systems.
10.00 – 10.30 am	TEA BREAK	
10.30 – 11.30 am	PATHOLOGY	Cardiovascular pathology.
11.30 – 12.30 pm	PATHOLOGY	Tissue haemodynamic
12.30 – 2.00 pm	LUNCH BREAK	
2.00 – 3.00 pm	PR. SURGERY	Surgical infections
3:00 pm- 4:00pm	PR. SURGERY	Preoperative assessment, preparation and postoperative complications of patients.
4:00 pm- 5:30 pm	ANATOMY	Pelvic & urogenital diaphragms; perineal region and pouches.

Day 4, Sunday, 9th April 2017

Time	Subject	Lecturer/Discussion Topic
8.30 – 10.00 am	ANATOMY	Muscle groups, blood and nerve supply and nerve lesions of upper limb.
10.00 – 10.30 am	TEA BREAK	
10.30 – 11.30 am	PATHOLOGY	Shock, infarction and embolism. - Disseminated intravascular coagulopathy. -Systemic inflammatory response syndrome.
11.30 – 12.30 pm	PATHOLOGY	Inflammatory responses.
12.30 – 2.00 pm	LUNCH BREAK	
2.00 – 3.00 pm	PR. SURGERY	Minimally invasive surgery.
3:00 pm- 4:00pm	PHYSIOLOGY	Regulatory and compensatory mechanisms of blood pressure in hypovolaemia.
4:00 pm- 5:30 pm		

Day 5, Saturday 15th April 2017

Time	Subject	Lecturer/Discussion Topic
8.30 – 10.00 am	ANATOMY	Muscle groups, blood and nerve supply and nerve lesions of lower limb.
10.00 – 10.30 am	TEA BREAK	
10.30 – 11.30 am	PR. SURGERY	Endocrine and metabolic response to injury.
11.30 – 12.30 pm	PR. SURGERY	Trauma, burns and wound healing.
12.30 – 2.00 pm	LUNCH BREAK	
2.00 – 3.00 pm	PHYSIOLOGY	Surgical physiology of respiratory system.
3:00 pm- 4:00pm	PHYSIOLOGY	Surgical physiology of renal system.
4:00 pm- 5:30 pm	ANATOMY	Joints of the upper and lower limbs; vertebral column.

Day 6, Sunday, 16th April 2017

Time	Subject	Lecturer/Discussion Topic
8.30 – 10.00 am	ANATOMY	Mediastinum, lungs and diaphragm.
10.00 – 10.30 am	TEA BREAK	
10.30 – 11.30 am	PHYSIOLOGY	Surgical physiology of alimentary system.
11.30 – 12.30 pm	PHYSIOLOGY	Electrical physiology and nervous system.
12.30 – 2.00 pm	LUNCH BREAK	
2.00 – 3.00 pm	PATHOLOGY	Neoplasm and carcinogenesis.
3:00 pm- 4:00pm	PATHOLOGY	Pathology of infectious diseases.
4:00 pm- 5:30 pm		

Day 7, Saturday, 22nd April 2017

Time	Subject	Lecturer/Discussion Topic
8.30 – 10.00 am	ANATOMY	Head, neck and brain I.
10.00 – 10.30 am	TEA BREAK	
10.30 – 11.30 am	PATHOLOGY	Bleeding disorders.
11.30 – 12.30 pm	PATHOLOGY	Clinical genetics.
12.30 – 2.00 pm	LUNCH BREAK	
2.00 – 3.00 pm	PHYSIOLOGY	Muscles and neuromuscular junctions.
3:00 pm- 4:00pm	PHYSIOLOGY	Surgical physiology of endocrine system.
4:00 pm- 5:30 pm	ANATOMY	Head, neck and brain II

Day 8, Sunday, 23rd April 2017

Time	Subject	Lecturer/Discussion Topic
8.30 – 10.00 am	ANATOMY	Head, neck and brain III
10.00 – 10.30 am	TEA BREAK	
10.30 – 11.30 am	PATHOLOGY	Immunopathology.
11.30 – 12.30 pm	PATHOLOGY	Laboratory medicine.
12.30 – 2.00 pm	LUNCH BREAK	
2.00 – 3.00 pm	ANATOMY	Base of the skull & mandible
3:00 - 4:00pm	ANATOMY	Pharyngeal arches.
4:00 - 5:30 pm		

Useful Informations

1. Paid car parking is available opposite the MAHSA Campus gate.
2. Registration desk is at Block A, Level 1.
3. Canteen is present in Block D, ground floor.
4. Surau is present in Block D, ground floor.
5. Toilets are present in Block A, ground floor and level 1 and Block D, ground floor.
6. Affin Bank ATM is in Block A, Ground Floor.
7. CIMB Bank ATM are in Block D, Ground Floor.