

WELCOME!

The **INTENSIVE COURSE IN BASIC SCIENCES FOR SURGICAL SPECIALITIES (A GATEWAY TO YOUR CAREER PATH)** is a preparatory course designed for candidates appearing for Part 1 MRCS and entrance examinations for Master and Doctor in General Surgery, Orthopaedics, ENT and Obstetrics & Gynaecology. Four main basic surgical sciences subjects will be covered in the course namely Anatomy, Physiology, Pathology and Principles of Surgery.

The course will be conducted by prominent senior medical academic staff with vast teaching experience in their field of expertise. These structured sessions will be held over **FOUR weekends (Saturday and Sunday) in April 2017** at MAHSA University, Jalan Universiti Campus, Kuala Lumpur. There will be **43 sessions of 50 hours** of effective teaching with **Q & A** sessions in this course for junior doctors preparing for their career path.

Prof. Dato Dr. Ravindran Jegasothy
Dean,
Faculty of Medicine,
MAHSA University,

WORKING COMMITTEE

Advisor: Prof. Dato Dr. Ravindran Jegasothy
Assoc. Prof. Dr. Gauri Krishnaswamy
Course Content Coordinator:
Prof. Dr. Abdul Hamid B. Abdul Rashid
Chairperson of Organising Committee:
Dr. Mona Mohamed Ibrahim Abdalla

COURSE CONTENTS

(*Schedule of the lecture **TIMETABLE** will be announced on the **MAHSA website @ www.mahsa.edu.my**)

SURGICAL ANATOMY

- Abdominal walls, surgical incisions and inguinal region.
- Oesophagus, stomach, intestines, mesenteries, blood supply and lymphatic drainage.
- Rectum and anal canal, ischio-anal fossa, hepato-biliary system and spleen.
- Uro-genital systems.
- Pelvic & urogenital diaphragms; perineal region and pouches.
- Muscle groups, blood and nerve supply and nerve lesions of upper limb.
- Muscle groups, blood and nerve supply and nerve lesions of lower limb.
- Joints of the upper and lower limbs; vertebral column.
- Mediastinum, lungs and diaphragm.
- Head, neck and brain I.
- Head, neck and brain II
- Head, neck and brain III.
- Base of the skull & pharyngeal arches.

SURGICAL PHYSIOLOGY

- Surgical physiology of body fluid and electrolytes
- Normal and abnormal acid-base balance and regulatory mechanisms.
- Surgical aspects of cardiac muscle and cardiac cycle.
- Regulatory and compensatory mechanisms of blood pressure in hypovolaemia.
- Surgical physiology of respiratory system.
- Surgical physiology of renal system.
- Surgical physiology of alimentary system.
- Electrical physiology and nervous system.

- Muscles and neuromuscular junctions.
- Surgical physiology of endocrine system.

SURGICAL PATHOLOGY

- Cellular injury and tissue response – Necrosis and apoptosis.
- Acute and chronic inflammation – Healing and repair; bone healing.
- Cardiovascular pathology.
- Tissue haemodynamic.
- Growth disturbances
- Shock, infarction and embolism.
- Disseminated intravascular coagulopathy
- Systemic inflammatory response syndrome.
- Neoplasm and carcinogenesis.
- Pathology of infectious diseases.
- Bleeding disorders.
- Clinical genetics.
- Immunopathology.
- Laboratory medicine.

PRINCIPLE OF SURGERY

- Preoperative assessment, preparation and postoperative complications of patients.
- Fluid and electrolytes management of surgical patient.
- Haemostasis, surgical bleeding and transfusion.
- Surgical infections.
- Minimally invasive surgery.
- Trauma, burns and wound healing.
- Endocrine and metabolic response to injury.

LEARNING OUTCOMES

At the end of this intensive surgical training course, the participants should be able to do the following.

1. Achieve high degree of clinical competency in solving surgical problems based on the basic surgical sciences;
2. Demonstrate superior skills of critical thinking and problem solving based on evidence based day to day clinical practices;
3. Illustrate the confidence gained through this training and
4. Sit for any competitive examinations and achieve success at highest level.

DATES & TIME:

[01.04.17 & 02.04.17] [08.04.17 & 09.04.17]
[15.04.17 & 16.04.17] [22.04.17 & 23.04.17]
8.30 am to 5.30 pm

VENUE:

Block A, Lecture Hall 1A/B,
MAHSA University,
(Jalan Universiti Campus),
Jalan Ilmu, off Jalan Universiti, 59100,
Kuala Lumpur.
(3°07'04.4"N 101°38'58.1"E)

Registration fee:

Package: RM 500.00 for MAHSA students and alumni.
RM 600.00 for all others.
Daily: **RM 100.00 per day** (Pay at site).

REGISTRATION FORM

Name: _____

Institution: _____

Postal Address: _____

Email: _____

Contact No. (H/P / Office / Fax): _____

Registration fee: _____

Online Form: <https://goo.gl/forms/k1LOCsimSI0vpKaJ2>

Payment method: Cheque / Cash / Telegraphic transfer (strike out whichever is not applicable)

All payment should be issued to **Malaysian Allied Health Sciences Academy Sdn. Bhd.**

Payment can also be made by **telegraphic transfer** to:

Beneficiary Name: Malaysian Allied Health Sciences Academy Sdn. Bhd.

Beneficiary Address: MAHSA University, Jalan Ilmu off Jalan Universiti, 59100 Kuala Lumpur, Malaysia

Bank Name: Affin Bank Berhad

Beneficiary A/C: 10-040-001653-6

Bank Address: No 4 & 6 Jalan Telawi 3, Bangsar Baru, 59100, Kuala Lumpur, Malaysia

Bank Contact No.: +603 - 2283 5027

Swift Code: PHBMMYKL

***The bank remittance is needed for proof of payment**

Registration forms and Proof of Payment are to be scanned and sent to any of the contact persons.
Dr. Anudeep Singh at anudeep@mahsa.edu.my,
WhatsApp 016-3546930,
Dr. Barani Karikalan at barani@mahsa.edu.my
WhatsApp 010- 8148824 (also for any enquires).



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