



# SELANGOR ORTHOPAEDIC

# TRAUMA COURSE

# 2019

## OCTOBER

### RM 375

(limited places)

registration closing date: 15/9/19

14 -16 Oct 19

Faculty of Medicine

UiTM Selayang Campus



Organized By:



Educational Partner:



Registration Method



Or  
<https://bit.ly/20F808J>

# SELANGOR ORTHOPAEDIC TRAUMA COURSE 2019

## **The objectives of the course:**

- Expose new medical officer aspiring to become orthopaedic surgeon to the fundamental and basics in orthopaedic surgery
- Educating the junior medical officers on the pearls and pitfalls of the basic surgical procedures in orthopaedics

**Date:** 14-16 October 2019

**Organizers:** Orthopaedic Departments of UiTM Faculty of Medicine, Hospital Selayang and Hospital Sungai Buloh

**Venue:** Faculty of Medicine, UiTM Selayang Campus, Selangor

## **Lists of topics:**

Bone biology - response to fracture and fracture healing

Biomaterials – types of material, properties of material & material failure

Stability – absolute vs relative stability

Plating and lag screws - principles and biomechanics

Tension band wiring - principles and biomechanics

Interlocking nail - principles and biomechanics

Locking plates – principles & biomechanics

Approach & Management of Proximal Femoral Fractures

Dynamic hip screw – principles & biomechanics

External fixation – principles & biomechanics

Soft Tissue Injuries – classification & management

Open Fractures – classification & management

Basic Radiology In Orthopaedics

Fractures In Paediatrics

Forearm Fractures

Pelvis External Fixation Application – principles & technique

Supercutaneous Plating

Infection In Trauma – Pathology, Management

Management of Polytrauma

Career Pathway in Orthopaedics

**No. of participants:** 50 pax

**Contact numbers:**

014-3413067 (Dr. Mohammad Amirruddin)

013-3035865 (Dr. Nadiya)

**Email:**

selortco2019@gmail.com

## 1<sup>st</sup> DAY

0800 - 0830	<b>REGISTRATION</b>
0830 - 0850	<b>LECTURE 1</b> BONE BIOLOGY – response to fracture & fracture healing
0850 - 0910	<b>LECTURE 2</b> BIOMATERIALS – types of material, properties of material & material failure
0910 - 0930	<b>LECTURE 3</b> STABILITY – absolute vs relative stability
0930 - 1000	WELCOMING SPEECH AND OFFICIATING OF COURSE
1000 - 1030	TEA BREAK
1030 - 1050	<b>LECTURE 4</b> PLATING & LAG SCREWS – principles & biomechanics
1050 - 1120	<b>LECTURE 5</b> TENSION BAND WIRING – principles & biomechanics -
1130 - 1245	<b>PRACTICAL 1</b> SCREWS & PLATES / LCP
1245 – 1400	LUNCH SYMPOSIUM
1400 – 1420	<b>LECTURE 6</b> INTERLOCKING NAIL – principles & biomechanics
1430 - 1545	<b>PRACTICAL 2</b> TENSION BAND WIRING
1545 - 1700	<b>PRACTICAL 3</b> INTERLOCKING NAIL

## 2<sup>nd</sup> DAY

0830 - 0850	<b>LECTURE 7</b> LOCKING PLATES – principles & biomechanics
0850 - 0910	<b>LECTURE 8</b> APPROACH & MANAGEMENT OF PROXIMAL FEMORAL FRACTURES
0910 - 0930	<b>LECTURE 9</b> DYNAMIC HIP SCREW – principles & biomechanics
0930 - 0950	<b>LECTURE 10</b> EXTERNAL FIXATION – principles & biomechanics
0950 - 1010	TEA BREAK
1010 – 1125	<b>PRACTICAL 4</b> DYNAMIC HIP SCREW
1125 - 1240	<b>PRACTICAL 5</b> PROXIMAL FEMORAL NAIL
1240 - 1400	LUNCH SYMPOSIUM
1400 – 1420	<b>LECTURE 11</b> SOFT TISSUE INJURIES – classification & management
1420 – 1440	<b>LECTURE 12</b> OPEN FRACTURES – classification & management
1450 - 1550	<b>PRACTICAL 6</b> EXTERNAL FIXATION
1550 - 1700	<b>PRACTICAL 7</b> LVA-LCP D/E RADIUS

### 3<sup>rd</sup> DAY

0830 – 0900	LECTURE 13 BASIC RADIOLOGY IN ORTHOPAEDICS
0900 – 0930	LECTURE 14 FRACTURES IN PAEDIATRICS
0930 – 1000	LECTURE 15 FOREARM FRACTURES
1000 – 1030	LECTURE 16 PELVIS EXTERNAL FIXATION APPLICATION – principles & technique
1030 – 1100	TEA BREAK
1100 - 1130	LECTURE 17 SUPERCUTANEOUS PLATING
1130 - 1200	LECTURE 18 INFECTION IN TRAUMA – Pathology, Management
1200 - 1230	LECTURE 19 MANAGEMENT OF POLYTRAUMA
1230 - 1300	LECTURE 20 CAREER PATHWAY IN ORTHOPAEDICS
1300	CLOSING CEREMONY + LUNCH