

(Version 2: 25/8/17)

Conjoint Board of Orthopaedic (CBO) Part 1/ Basic Sciences Examination (BSE):

Monthly Courses: 18-20 September 2017 (Monday-Wednesday)

Course C: Pathology, Biomaterials and Biomechanics, Principles of Surgery

Objectives:

Pathology:

- Demonstrate an investigatory and analytic approach to clinical and pathological problems.
- Demonstrate applied knowledge of pathology, by describing the basic aspects of the major disease processes
 - Cause (etiology)
 - Mechanisms of development (pathogenesis)
 - Functional consequences of the molecular and morphological changes (clinical significance)
- Apply the basic and clinically supportive sciences appropriate to pathology (such as anatomy, biochemistry, histology/histopathology, cytogenetics, and physiology)

Principles of Surgery:

- Introduction to the field of surgery and anaesthesia
- Understanding the most important aspects of accidental injury and surgical insult
- Assessment and intervention in the different stages of the prevention-diagnosis-treatment-recovery sequence in surgery
- Specific aspects of certain branches of surgery not studied in other course modules

Biomaterials and Biomechanics:

- Concepts of mechanics as they apply to human movement
- The student should gain advanced knowledge and analysing skills on the mechanical and anatomical principles that govern human motion and
- Develop the ability to link the structure of the human body with its function from a mechanical perspective.
- The course also introduces students to a spectrum of materials used in biomedical engineering, biological-biomaterials interactions, host responses, and materials evaluations.

Venue: Datin Ragayah lecture hall, National Orthopaedic Centre of Excellence in Research and Learning (NOCERAL), Faculty of Medicine, University of Malaya, 50603 Kuala Lumpur, Malaysia

Limited to 40 participants

Registration fee for new participation:

	Before 8th Sept. 2017 (early bird)	After 8th Sept. 2017
Lectures (Day 1): 18 th September 2017 (Monday)	RM 250	RM 300
Lectures (Day 2): 19 th September 2017 (Tuesday)	RM 250	RM 300
Lectures (Day 3): 20 th September 2017 (Wednesday)	RM 250	RM 300
3 days (18-20 September 2017)	RM 600 (best offer!)	RM 750

For the participants who have attended Course 1: Anatomy and Applied Surgical Anatomy (17th – 18th July 2017) **OR** Course 2: Physiology and Applied Clinical Physiology (21-22 August 2017), the extra discount to be *given* is **10%** for the Pathology, Biomaterials and Biomechanics, Principles of Surgery course:

10% discount	Before 8th Sept. 2017 (early bird)	After 8th Sept. 2017
Lectures (Day 1): 18 th September 2017 (Monday)	RM 225	RM270
Lectures (Day 2): 19 th September 2017 (Tuesday)	RM 225	RM270
Lectures (Day 3): 20 th September 2017 (Wednesday)	RM 225	RM270
3 days (18-20 September 2017)	RM540 (best offer!)	RM675

For the participants who have attended Course 1: Anatomy and Applied Surgical Anatomy (17th – 18th July 2017) **AND** Course 2: Physiology and Applied Clinical Physiology (21-22 August 2017), the extra discount to be given is **15%** for the Pathology, Biomaterials and Biomechanics, Principles of Surgery course:

15% discount	Before 8th Sept. 2017 (early bird)	After 8th Sept. 2017
Lectures (Day 1): 18 th September 2017 (Monday)	RM 212	RM255
Lectures (Day 2): 19 th September 2017 (Tuesday)	RM 212	RM255
Lectures (Day 3): 20 th September 2017 (Wednesday)	RM 212	RM255
3 days (18-20 September 2017)	RM510 (best offer!)	RM637

Day 1: 18/9/17

Course content	Time
The normal cell	9 – 9.45 am
Refreshment	9.45 – 10 am
Cellular injury and tissue response to injury	10 – 11 am
Genetic and Pediatric Disorders; Environmental Diseases; Diseases of Ageing	11 – 1 pm
Lunch	1 – 2 pm
Fluid and hemodynamic derangements; Renal system	2 – 3.30 pm
Biomaterials	3.30 – 5 pm

Day 2: 19/9/17

Course content	Time
Respiratory System; Cardiovascular system	9.00 – 9.55 am
Refreshment	9.55 – 10.10 am
Vascular disorders; Musculoskeletal system	10.10 – 11.10 am
Gastrointestinal disorders; Liver and biliary tract; Pancreas	11.10 – 1 pm
Lunch	1 – 2 pm
Haematopoietic System; Endocrine System; The breast; The male genitalia	2 – 3.30 pm
Immune System; Infections	3.30 – 5.30 pm

Day 3: 20/9/17

Course content	Time
Perioperative Management	9 – 9.45 am
Refreshment	9.45 – 10 am
Surgical Techniques and Technology	10 -11am
Good Clinical Practice and Legal Issues	11 – 12 pm
Clinical Microbiology	12 – 1 pm
Lunch	1 – 2 pm
Neoplasia; Principles of Oncology	2- 3 pm
Emergency Medicine and Trauma	3 – 4 pm
Biomechanics	4 – 5.30 pm

Confirmed speakers:

1. Prof. Dr. Tunku Kamarul Zaman Bin Tunku Zainol Abidin (University of Malaya)
2. Associate Prof. Dr. Mohamed Razif Bin Mohamed Ali (University of Malaya)
3. Associate Prof. Dr. Azura Binti Mansor (University of Malaya)
4. Dr. Roshan Gunalan (University of Malaya)
5. Dr. C. Sankara Kumar A/I Chandrasekaran (University of Malaya)
6. Dr. Teo Seow Hui (University of Malaya)
7. Dr. Amreeta Dhanoa (Monash University Malaysia)

Registration Form

Registration closing date: 14th August 2017 (Thursday)

Please complete the confirmation attendant below:

Name: Prof. / Dr. / Mr. / Ms.:	
Name of your University / Institution / Company:	
Department:	
Address:	
Postal Code:	
City:	
Country:	
Email:	
Phone:	
Mobile No:	

Payment Method :

1. Cheque, electronic telegraphic transfer, online transfer, bank draft:

Maybank Islamic, account name: Yayasan Ortopedik, account number: 564351504180

2. Internal grant transfer (University of Malaya):

Account name: Tabung NOCERAL (WBS No: UM.0000169/KWJ.AK)

Registration & Enquiries :

For registration, please email:	For enquiries, please email:
Ms Rabiatul Adawiyah Othman Email: rabiatul_adawiyah@um.edu.my	Dr. Chong Pan Pan Email: pan2chong@gmail.com

Organised by:

National Orthopaedic Centre of Excellence in Research and Learning (NOCERAL), Department of Orthopaedic Surgery, Faculty of Medicine, University of Malaya, 50603 Kuala Lumpur, Malaysia