

THE HONG KONG COLLEGE OF ORTHOPAEDIC SURGEONS Specialty Day in Clinical Research

EBO Support Scheme for HKCOS Trainees Induction Workshop on Biostatistics and Clinical Research Methodology

Date: 8 September 2018 (Sat)

Venue: Seminar Room, 9/F
Main Clinical Block and Trauma Centre (New Block)
Prince of Wales Hospital



Course

Half-day workshop (10:30-14:30)

Target Audiences:

- Basic Surgical Trainees and Higher Orthopaedic Trainees
- Fellows with interest in clinical research

Objectives:

- Provide training on biostatistics and clinical research methodology
- Develop the competence in:
 - a) proposing a clinical project
 - b) carrying out a clinical project
 - c) preparing the report of a clinical project

Overseas Speaker



Prof Mohit Bhandari

MD (Toronto), MSc (McMaster), PhD (Sweden), FRCS

Canada Research Chair in Musculoskeletal Trauma and Surgical Outcomes

Professor, Department of Surgery, McMaster University

Associate Member, Department of Health Research Methods, Evidence, and Impact,

McMaster University

Academic Division Head, Orthopaedic Surgery, , McMaster University

Editor - Clinical Research for Surgeons - 2009

- Advanced Concepts in Surgical Research - 2012

Local Speakers

Prof Louis Cheung

Dr TP Lam

Dr SW Law

Dr Raymond Wong

Dr Peter Yau

Registration Fee: HK\$300 (Trainees) and HK\$600 (Fellows)

Registration Deadline: 31 August 2018

Accreditation: 4 Cat. A / 2 Cat. R CME/CPD Points (for HKCOS Fellows) /
4 Core Training Points (for HKCOS Trainees)

Topics

- 10:30-11:00 a. Introduction of Data Analysis:**
- i. Principle of Biostatistics
 - ii. Sampling Distributions and Confidence Intervals
- 11:00-11:30 b. Basic Theory and Practical Guide to:**
- i. Hypothesis Testing (Paired and Independent T-Test) and ANOVA
 - ii. Chi-square Test
 - iii. Correlation
 - iv. Power Calculation
- 11:30-12:00 c. Research Designs:**
- i. How to Develop a “Good” Topic?
 - ii. How to Propose a Sound Hypothesis?
 - iii. Considerations of Different Study Designs
- 12:00-13:00 Lunch Break**
- 13:00-14:30 d. Ethics & Critically Appraising the Journal Articles**
- i. Preparing a Scientific Report and a Scientific Presentation
 - 13:00-13:15
 - 13:15-13:30 ii. Tips for Successful Publishing in Journals
 - 13:30-14:00 iii. Critical Appraisal of Journal Articles
- 14:00-14:30 e. Systematic Literature Review and Meta-analysis Methodology**

Dr SW Law



Dr TP Lam



Prof Louis Cheung

**Dr Raymond Wong/
Dr Peter Yau**

Dr Raymond Wong

Dr Raymond Wong

Dr Peter Yau

Prof Mohit Bhandari

Please contact HKCOS Secretariat at 2871-8722 for registration or visit website of HKCOS (www.hkcoss.org.hk)

Co-organizers



Department of Orthopaedics and Traumatology,
The Chinese University of Hong Kong