Royal College of Obstetricians & Gynaecologists

Malaysia International Representative Committee

SATURDAY,
16 NOVEMBER 2024

EASTIN HOTEL
KUALA LUMPUR

No. 13, Jalan 16/11,
46350 Petaling Jaya, Selangor

HOW TO PLAN, IMPLEMENT AND WRITE-UP YOUR RESEARCH DISSERTATION:

AN INDISPENSABLE GUIDE FOR THE CLINICAL MASTERS OR PARALLEL PATHWAY CANDIDATES

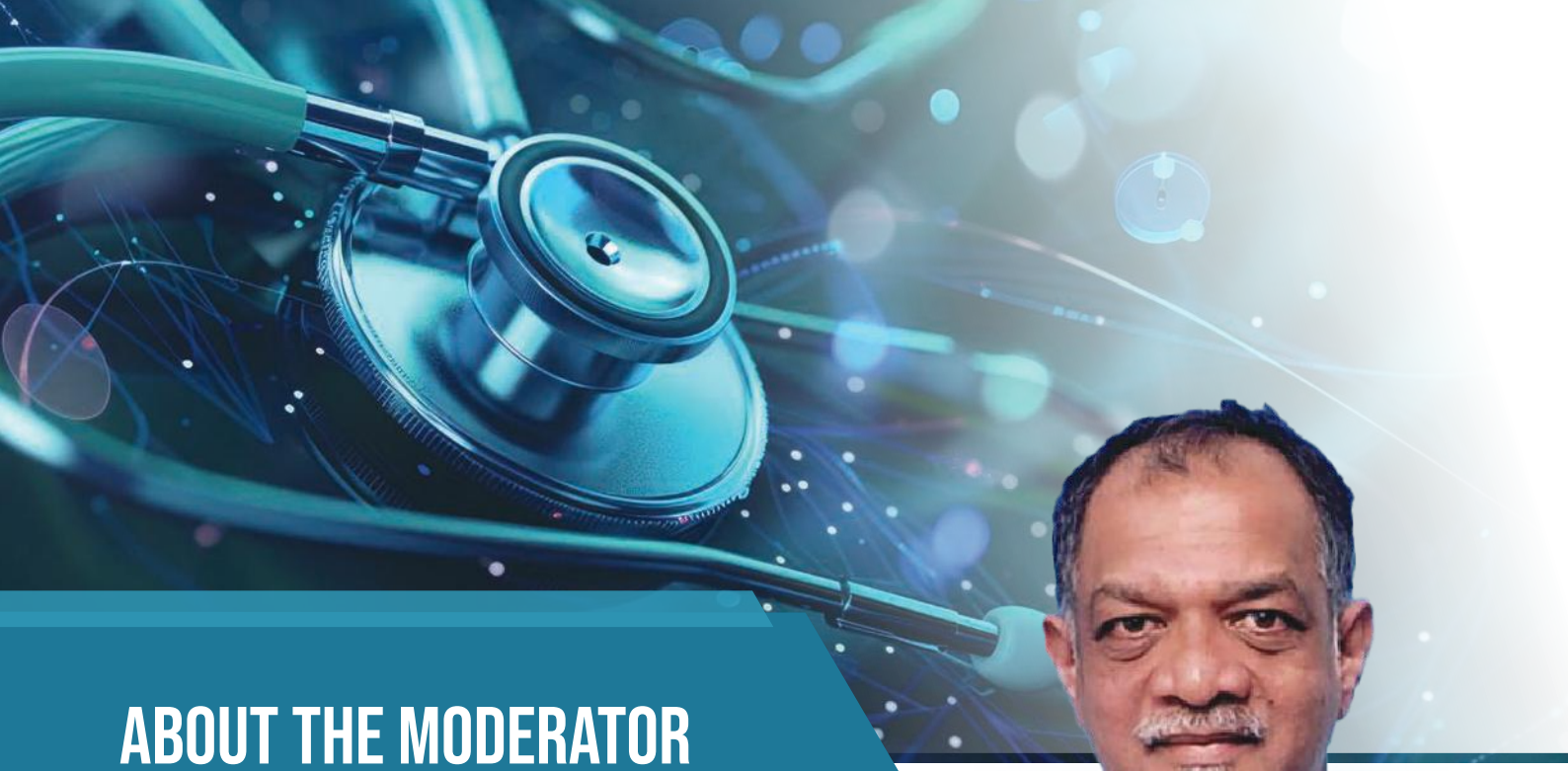
Moderator: Professor Dr Kulenthran Arumugam

COURSE FEE
MYR300

Register via Link
https://forms.gle/hxtDiJiKwMPGZofe7

Name of Account:
Persatuan Perwakilan RCOG Malaysia
Maybank 5628 6114 9699
[Disclaimer: There must be at least 20 registrants by 3rd November 2024. If not, the Course will be cancelled and monies will be returned to those already registered]

Contact for Enquiries ircmsia@gmail.com



ABOUT THE MODERATOR

Professor Kulenthran Arumugam

MBBS (Spore), FRCOG, MD, PhD,
LLB Hons (Lond), Dip Epid (Lond)

Professor Kulenthran graduated from the University of Singapore in 1975. He had an interest in Obstetrics and Gynaecology and went on to obtain his MRCOG. He then joined the Department of Obstetrics and Gynaecology, University of Malaya Medical Centre in 1982. He rose through the ranks and was appointed Senior Consultant and Full Professor in 1991. However, in 2005 he found his niche in Research Development and Clinical Epidemiology and moved to that Unit in the Faculty that year. He has the rare distinction of holding two Doctoral degrees; an MD and a PhD both from the University of Malaya. He is also well versed in the principles of epidemiology having passed the Post Graduate Diploma in Epidemiology from the London School of Hygiene, University of London in 2003. In addition, he has a Certification in Advanced Epidemiological Analysis from the London School of Hygiene, Practical Statistics for Medical Research from University College London and in the Conduct of Clinical Trials, University of Bristol. He has run a number of workshops in Clinical Epidemiology and Medical Writing. He is well versed with medical research having had more than 60 publications in peer reviewed journals to his name.

ABOUT THE COURSE

The course will have two parts.

The first part is on how to plan, implement and execute your proposed research study. How to articulate your research questions and test your hypothesis? What is the best kind of study, given the limited time and facilities? What are the advantages and limitations of each kind of study? What are the exposure and outcome variables of interest and how to best classify or measure them? How to estimate the required number of samples or patients? How to analyse the data? These are the issues the course will address and using the OpenEpi Statistical software.

Assuming you have already collected your data and analysed the results, the second part will guide you on how to write-up the study. This is an uphill task because most candidates have had no experience in doing so. The result is usually a “copy and paste”. That not only is plagiarism but it provides for an unorganized and incoherent write-up. Have no fear. The course will guide you on how to navigate through the IMRAD system in writing the manuscript i.e. Introduction, Methods, Results and Discussion. Here, templates will be provided for each section so that it provides you with a useful guide on how to proceed. It will also deal with writing the title page, the summary, doing a literature review and the proper method of referencing using the “cite as you write” software. At the end of the course, you will embark on your writing with newfound confidence.

All students must download the OpenEpi Software before coming for the Course – it’s free.

PROGRAMME (PART 1)

TIME	TOPIC
0800-0830 am	Registration
0830-0845 am	The research question and overview of study designs. *Investigating the exposure and outcome of interest*
0845-0915 am	Hypothesis testing: what are we actually trying to achieve? *Introducing p value, effect size of the response or outcome and its 95% confidence intervals*
The most appropriate kind of studies	
0915-0930 am	The randomised controlled trial?
0930-0945 am	The case control study. *Its design, advantages/disadvantages, the variables and method of analysis: odds ratio and its 95% confidence intervals - with statistical software applications*
0945-1015 am	The cross-sectional study. *Its design, advantages/disadvantage; and the best method of analysis: odds ratio, comparing means - with statistical software applications*
1015-1030 am	Break
1030-1100 am	The dose-response studies. *Most clinical outcomes have a graded response to the exposure of interest. The study design, its advantages/disadvantages, and method of analysis – chi-squared analysis for trends will be covered*
1100-1200 pm	Evaluating a diagnostic test. *Its design, advantages/disadvantages, and analysis. Introducing sensitivity, specificity, positive predictive value, likelihood ratio and the ROC curve - with software applications*
1200-1230 pm	The survey. *Keeping it simple and practical*
1230-1 pm	Calculating the sample size required - with software applications
	Lunch

PROGRAMME (PART 2)

TIME	TOPIC
2.00-2.15 pm	Writing the title page: The essentials
2.15-2.45 pm	Writing the Introduction: The “why” you embarked on the study
2.45-3.15 pm	How to do a literature review using Endnote?
3.15-3.45 pm	Writing the Patients and Methods: The “how“ you went about doing the study
3.45-4.15 pm	Writing the Results: The “what” you found in your study. It will guide you on how to present your Tables and Figures.
4.15-4.45 pm	Writing the Discussion: You found this and that from your research: “So what about it”?
4.45-500 pm	How to cite the references using of ENDNOTE: Your indispensable friend

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