

# 1<sup>st</sup> NUHS MASTERCLASS IN CLINICAL RESEARCH

1-2 August 2019

Venue: Tower Block, NUHS

## FACULTY

Dr Kevin Chung, Department of Plastic Surgery, University of Michigan, USA  
Dr Soumen Das De, Department of Hand & Reconstructive Microsurgery, NUHS  
Dr Teemu Karjalainen, Department of Surgery, Central Hospital Central Finland, Finland  
Dr Stephanie Ko, Department of Advanced Internal Medicine, NUHS  
Dr Kuan Win Sen, Department of Emergency Medicine, NUHS  
Dr Manjari Lahiri, Department of Advanced Internal Medicine, NUHS  
Dr See Kay Choong, Respiratory & Critical Care Medicine, NUHS  
Dr John Soong, Department of Advanced Internal Medicine, NUHS

## INTRODUCTION

This inaugural workshop brings together a stellar faculty from diverse backgrounds with one thing in common – a passion for clinical research!

The 2-day program will cover the nuances of clinical research through a series of interesting lectures covering a wide range of topics.

## REGISTRATION



Kindly scan the QR Code to access the registration form

## PAYMENT METHOD

Cheque only (*payable to National University Hospital (S) Pte Ltd*)

	Now to 01 June 2019	After 01 June 2019
Residents / Nurses	\$ 500	\$ 550
Specialists	\$ 550	\$ 600

## ENQUIRIES

Registration matters:

- Ms Sandra Aw Yong ([sandra\\_awyong@nuhs.edu.sg](mailto:sandra_awyong@nuhs.edu.sg))

Course matters:

- Dr Soumen Das De ([das\\_de\\_soumen@nuhs.edu.sg](mailto:das_de_soumen@nuhs.edu.sg))
- Dr Manjari Lahiri ([manjari\\_lahiri@nuhs.edu.sg](mailto:manjari_lahiri@nuhs.edu.sg))



## TENTATIVE PROGRAM

### DAY ONE

#### The Basics Of Clinical Research

- Introduction – why do we “research”?
- Defining & developing the research question
- Causal inference
- What is the “right” study design?
- Outcomes research – what it is and what it is not
- Recognizing & overcoming bias in clinical research

#### How To Design And Conduct A Good Study

- Literature review & paper critique
- Obtaining ethics approval
- Collecting & managing your data
- Randomized trials – are they truly the “gold standard”?
- Alternative methodologies – decision analysis, economic modeling & conjoined analyses

### DAY TWO

#### Analyzing The Data

- Descriptive statistics
- Approach to analyzing administrative & EHR data
- How to perform basic inferential statistics & when to call your friendly biostatistician
- Multivariable regression & risk prediction models

#### Getting That Paper Published

- How to write a scientific manuscript
- How to make the best use of graphs, tables & figures

#### Managing Your Research Career

- Organizing a research team & time management
- Writing a competitive grant proposal & getting funded
- The harsh reality of making it as a surgeon-scientist – full expose

## TARGET AUDIENCE

This course is ideal for junior doctors, residents, nurses and new faculty. Basically, anyone with an interest and passion for clinical research! The lectures will assume only a basic prior knowledge of research methodology and aim to build on the participants’ understanding and appreciation of core concepts. Upon completion of the course, we hope that the participant will be able to conduct a simple prospective study and apply for a small start-up grant.

## PARTICIPATION AND MATERIALS

Pre-course reading materials and a detailed program will be made available to participants to allow them to be equipped with foundational knowledge prior to the workshop. Closer to the course, participants will also be asked to submit a brief (1-page) proposal of a research topic of their interest. These proposals will be discussed during the course, and will be used for the practical segments.

## VENUE

**01 Aug 2019: NUHS Tower Block level 8, room T08-04**

**02 Aug 2019: NUHS Tower Block level 6, room T06-03**