

Workshop Faculty

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Course Director

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Venue

Seminar Hall, 3rd Floor, AMCHSS,
SCTIMST Trivandrum



REGISTRATION DETAILS

The registration fee of **Rs 3000/- (Rupees Three Thousand only)** should be remitted via NEFT to the following account;

Account Name: **Director, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum**

Account No: **57036163133**

IFS Code: **SBIN0070029**

State Bank of India, Medical College Branch

After successful completion of transaction, **please save a copy of the transaction receipt and note down the transaction ID & date of transaction**

Subsequently, please fill out the **online application form**, along with the bank transaction ID, using the link given below.

https://docs.google.com/forms/d/e/1FAIpQLSdJiz07J-veTzvTLdcWLJz_ZP7q4frz1XNt31QqJPAiB_YLzkg/viewform?usp=pp_url

FOR FURTHER DETAILS,
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Workshop on Critical appraisal of literature, Systematic review and Meta-analysis

25th to 27th July 2018

in

**Achutha Menon Centre for Health
Science Studies, SCTIMST,
Trivandrum**

Organised by



**Regional Technical Resource Centre for
Health Technology Assessment,
Achutha Menon Centre for Health Science
Studies,**

**Sree Chitra Tirunal Institute for Medical
Sciences and Technology,
Trivandrum**



Why take this course...

Since the advent of the usage of systematic reviews in the medical sciences in the 1970s, systematic reviews have been increasingly used in the fields of clinical research, public health and the social sciences.

But, for a researcher intending to embark on such a research endeavour, the fact that a systematic review is a resource-intensive process which presents with a number of challenges, tends to be a deterrent. ***This workshop intends to break that ice by providing a better understanding of the process of doing systematic reviews and thus, inspire researchers to explore this path on their own.***

What this course is about...

Lasting for 3 days, this course will cover the art of critical appraisal of medical/public health literature, use of systematic reviews in public health, the steps in conducting a systematic review, and quantitative synthesis (meta-analysis).

The course will combine didactic lectures with group sessions dealing with practical examples. The meta-analysis section of the course will provide basic instruction in how to conduct meta-analysis. We shall introduce various software applications/platforms available for the quantitative synthesis as well.

Who is expected to attend the course...

This course is primarily designed for health researchers, medical post-graduates, early career academics in medical schools, Ph.D scholars, clinicians, researchers, public health specialists and other health care professionals who want to perform and/or critically appraise systematic reviews and meta-analyses are encouraged to apply.

Participants should have basic knowledge of statistical methods & interpretation and a basic appreciation of research designs.

What this course intends to achieve...

By the end of the course participants should be able to:

- **Understand key concepts in critical appraisal of literature**
- **Explain the need for systematic reviews (SR) and meta-analyses (MA)**
- **Perform a comprehensive search for relevant literature**
- **Assess the risk of bias in an RCT**
- **Extraction of data for quantitative synthesis**
- **Explain the basic methods of MA**
- **Assess the risk of bias across studies**
- **Describe issues in conducting SRs**
- **Summarise the findings of an SR / MA**
- **Critically appraise an SR**

What is required of the participants...

All participants are **required to bring their own laptop computer and an internet dongle/hotspot with good connectivity.**

Attendance for all the sessions on all three days of the workshop is compulsory and certificates will only be issued based on compliance to the same.

The participants will have to arrange for their own travel and accommodation. Lunch and tea with snacks will be served on all three days and is included in the registration fee.

How many seats are available...

Registration for the workshop will be **limited to a maximum of 30**, and will be done on a **“first-come, first-serve”** basis.

Recommended readings

- Systematic Reviews in Health Care: Meta-analysis in Context, edited by Matthias Egger, George Davey Smith and Doug Altman (BMJ Books, 2001)
- Introduction to Meta-analysis, by Michael Borenstein, Larry Hedges, Julian Higgins and Hannah Rothstein (Wiley-Blackwell, 2009)
- Cochrane Handbook for Systematic Reviews of Interventions, edited by Julian Higgins and Sally Green (Wiley-Blackwell, 2008)(1)