

Workshop on “Systematic Review & Meta-analysis in Healthcare”

Date: 24th- 26th November, 2017

**ICMR-Regional Medical Research Centre
Bhubaneswar**



Introduction

Exponential increase in the amount of medical literature published means that no single clinician, policy makers, academician or scientist can stay up-to-date in a particular domain of work. With increased scrutiny on funding for healthcare research, policies and clinical practice guidelines it has become essential for research, policies and programs to be evidence based. The science of evidence syntheses is relatively new and is rapidly evolving. As such being able to understand and conduct systematic reviews has become an essential skill for scientists, academicians and practicing clinicians.

Aims

By the end of the 3 days workshop, participants should be able to:

- understand and explain basics of evidence informed healthcare.
- understand and explain what a systematic review is and what are the steps involved in it.
- develop a focused systematic review question and draft a review protocol
- conduct searches in PubMed for and identifying evidence to answer a specific question
- assess quality of intervention studies
- understand and demonstrate basic skills for meta-analysis of data from intervention studies
- understand basic concepts of GRADE approach
- understand and appraise quality of systematic reviews and clinical practice guidelines

Who should attend?

This workshop is intended for clinical trainees, clinicians, academicians and researchers with interest in the methodology of systematic reviews and planning to conduct a systematic review in the future.

Preference would be given to research scientists, faculty working at state and central health departments, medical colleges & hospitals. A maximum of 24 candidates will be selected.

Contents

- ❖ Introduction to Evidence-Informed healthcare
- ❖ Basic Statistical Concepts
- ❖ Study Designs (Clinical Trials and Systematic Reviews)
- ❖ Developing Research Question and Eligibility criteria of systematic reviews
- ❖ Developing Search Strategies with hands on practice sessions

- ❖ Risk of bias assessment of RCT followed by Hands on Practice session in RevMan5
- ❖ Heterogeneity, sensitivity, subgroup analyses and Publication bias
- ❖ Meta-analyses- hands on training using RevMan
- ❖ Introduction to GRADE Approach for rating quality of evidence
- ❖ Quality of systematic reviews and clinical practice guidelines

How to apply

All interested candidates may apply online by sending registration/ application form (available in RMRC website) to the E mail Id: workshop.rmrcb@gmail.com. The application should be forwarded by the head of the institute. The last date for receiving applications is **10th November, 2017**. The selected candidates will be intimated through email by **15th November, 2017**.

All candidates are required to bring a laptop along with them during the workshop.

Registration fees

The registration fee is **Rs. 1200/-** which cover workshop kit, lunch and refreshment. The selected candidates should send a Demand Draft amounting to Rs. 1,200/- (Rupees One Thousand only) after receiving intimation of their selection.

Demand Draft to be made in favor of “**Director, RMRC, Bhubaneswar**” payable at Bhubaneswar. The selected candidates will have to make their own arrangements for travel and stay. However, limited accommodation may be provided on first come first serve basis.

Key resource person

Dr. Soumyadeep Bhaumik, is a medical doctor and global health professional currently working as Senior Research Associate, Public Health Foundation of India (PHFI), New Delhi. He is an alumni of B.S.Medical College , Bankura, India and Liverpool School of Tropical Medicine , UK .

Dr. Bhaumik has extensive experience in evidence syntheses including for guideline development for leading international agencies. He also works in the domain of evidence uptake and program development and evaluation.

Dr. Bhaumik is the Coordinator for *Cochrane* Priority Setting Methods Group, Member of the Global Evidence Synthesis Initiative (GESI) Advisory Group, Member of the HIFA Working Group on Evidence-Informed Policy and Practice (a program supported by WHO TDR, and *The Lancet*) and a member of the Evidence Based Research Network. He is also an Analyses Advisor, The BMJ and Associate Editor (social media), BMJ Global Health.

About RMRC

The ICMR-Regional Medical Research Centre is one of the 32 institutes under the aegis of Indian Council of Medical Research (Dept. of Health Research, MoHFW, Govt. of India). The Centre has focused its activities in areas of research in both communicable and non-communicable diseases, human resource development programme and in establishing strong linkage with State Health Department in finding solutions to the regional health problem. Besides basic and applied research, translational research has been taken up in operational mode. The center also offers PhD in various areas, dissertation and training courses for M.Sc./M.Tech/B.Tech students and other personnel.

Course Director & Advisor

Dr. Sanghamitra Pati MD, MPH
Scientist-G & Director,
RMRC (ICMR) Bhubaneswar
dirrmrcb@icmr.org.in

Course coordinators

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Course facilitator

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Library & Information officer
drbsahoo@gmail.com
+91-9438182087

Google map location of RMRC (ICMR), Bhubaneswar



Nearest Railway station: Bhubaneswar Railway station (7.3 Km)

Nearest Airport: Biju Patnaik International Airport (9.0 Km)

Contact us:

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ICMR-REGIONAL MEDICAL RESEARCH CENTRE

Chandrasekharpur, Bhubaneswar, Odisha



3 days Workshop on "Systematic Review & Meta-analysis in Health Care"

24th -26th November, 2017

Application form

Kindly fill up the details and send the scanned copy by email to "workshop.rmrcb@gmail.com"

Name: _____

Age: _____ Gender: _____ Contact No: _____

Email id: _____

Address: _____

Pin Code: _____ City: _____ State: _____

Qualifications: M.Sc PhD MBBS/BDS/AYUSH MD/MS/MDS Nursing

Others (Please specify): _____

Institute affiliated to: _____

Position: _____ Job Profile: _____

Accommodation:

Required Not Required

Signature of the candidate

Signature of the Head of the institute

For official purpose

Selected: Yes No

Demand draft details:

DD No: _____ Dated: _____

Drawn on Bank: _____