



**ICMR ADVANCED CENTRE  
FOR EVIDENCE BASED CHILD  
HEALTH**

**WORKSHOP**

**“NATIONANAL WORKSHOP ON  
SYSTEMATIC REVIEWS”**

**15/09/2016 – 16/09/2016**

**Venue:** Room No. 301, ICMR Hdqrs  
15 – 16 September, 2016

## **LIST OF TUTORS**

1. Dr. Meenu Singh
2. Dr. Chander Shekhar
3. Dr. Anju Sinha
4. Prof. Kameshwar Prasad
5. Prof.N. Sreekumaran Nair
6. Mrs. Neelima chadda
7. Dr. Kiran Kumar Thumburu
8. Dr. Nishant Jaiswal
9. Prof. Sunil Sazawal
10. Prof. Pratap Tharyan

## **LIST OF PARTICIPANTS**

1. Dr. Rameswar Pal
2. Richa Bhatnagar
3. Dr. Kunaal Dhingra
4. Dr. Nitesh Tewari
5. Dr. Mohan Pratim Roy
6. Ms. Ketaki Chandiok
7. Suchita Rawat
8. Astha Bansal
9. Ruchi Singh
10. Anju Sinha
11. Dr. S. Vani
12. Dr. Vandana Chauhan
13. Dr. L. Satyanarayana
14. Dr. Smita Asthana
15. Dr. Pradnya Kakodkar

16. Dr. Deepika
17. Sonal Pandey
18. Dr. Ravish Sharma
19. Dr. Neeta Kumari
20. Dr. Neeru Gupta
21. Dr. Jyoti Thulkar
22. Dr. Shalini Singh
23. R. Thirunavukkarasu
24. Dr. A. G. Radhika
25. Dr. Ranjeeta Kumari
26. Dr. Bhol Nath
27. Dr. Sagar A Burker
28. Dr. Girish C Bhatt
29. Dr. Pravin
30. Dr. Kamal Narayan Arya
31. Dr. W. Venkatear
32. Dr. Ashish Yadav
33. P. Ramanjaneyulu
34. Dr. Sudha Chandelip
35. Dr. Arun Kumar Yadav
36. Shraddha Srivastava
37. Ankita Arora
38. Sandeep Singh
39. Dr. Narendra Kumar
40. Dr. S. Jagdish Chandra Bose
41. Ritu Deswal
42. Dr. Tripti Khanna
43. Garima Sharma

# **PROCEEDINGS**

## **Day1<sup>st</sup>**

**15<sup>th</sup> Sep.**

The centre initiated the short course on “PROTOCOL DEVELOPMENT AND REVIEW COMPLETION” on 15 Sep. 2016 at 09:00 A.M, at Room No.301, ICMR Hqrs New Delhi. Participants from different institutes of the country were addressed by Dr. Meenu Singh. She introduced the participants about Evidence based Child Health and familiarised them with the basic idea behind Evidence Based Child Health. After that she briefly discussed about the term PICO and also discussed search strategy, PRISMA, how to extract data from study. Dr. Meenu Singh told participants about RevMan software and also told how to enter the data in RevMan software.



Dr. Meenu Singh addressing the participants about RevMan



After Dr. Meenu Singh, Dr. Chandershekhar (Scientist G, Head division of child health, ICMR) welcomed all the participants and discussed about the steps of systematic review and Meta analysis.

Dr. Anju Sinha (Scientist E, Division of Child Health, ICMR, New Delhi) discussed about the objectives of the workshop. She explained how to conduct systematic review in order to answer specific research questions related to child health and how to promote practice and teaching of Evidence Based Health Care in Children.



She also explained how to analyse and interpret information from systematic review for Evidence informed policies for child health.

Then an overview of Systematic Reviews done by Dr. Meenu Singh.

At 11.00 AM Prof. Kameshwar Prasad (Director, Clinical Epidemiology Unit, AIIMS, and New Delhi) addressed all the participants about the Clinical Perspectives of Meta analysis and Systematic review.





At 12.00 Prof. N. Sreekumar Nair (Director, Public Health Evidence South Asia, Manipal University, Manipal) explained the method of developing a protocol for a systematic review. He also told the importance of protocol and issues to be considered in developing a protocol.





In the afternoon session a short quiz (like a wake up activity) was conducted. At 02.00 PM Mrs. Neelima Chadda and Dr. Kiran Kumar Thumburu demonstrated about the methods of searching for and selecting studies. The afternoon session was continued on Assessing quality of studies by defining inclusion and exclusion criteria. At 03.00 PM introduction to RevMan was given by Dr. Anju Sinha (Scientist E, Division of Child Health, and ICMR). She gave a brief introduction that how this software support Cochrane, preparing and maintaining a systematic review.



After that at 03.45 PM a group activity was followed by CAR EBCH on practical session of using RevMan to enter references, understanding what goes into tables of included, excluded, ongoing studies and those awaiting assessments.



Dr. Nishant P Jaiswal continued the session and discussed about data collection, selection of studies, assessment risk of bias, unit of analysis issues, dealing with missing data, assessment of heterogeneity and briefly discussed about sensitivity & specificity.

A group discussion was done by all the participants in the evening session.





## Day2<sup>nd</sup>

16<sup>th</sup> Sep.

The second day session(9:30a.m), Dr.N.Sreekumaran Nair(Directer, Public Health Evidence South Asia,Manipal University, Manipal) understanding the concept of Meta-Analysis.He expressed that Meta-Analysis is an attempt to pool the data of individual studies. After this discussion, a group activity was done by CAR EBCH. In this, practical session setting up comparion and undertaking meta-analysis using RevMan.





At 11:30a.m Prof.Sunil Sazawal (Director, Public Health kinetics & Centre for Micronutrient Research New Delhi) give an overview of non – cochrane systematic review. He also discussed about the softwares other than Revman.



At 12:30 PM, Prof. Prathap Tharyan(Director,South Asian Cochrane Network & Center, CMC, Vellore) discussed about the GRADE approach to creating the summary of findings tables.

A group activity was done by CAR EBCH using GRADE pro to create summary of findings tables, practical session on importing data from RevMan to create SoF tables and exporting tables into RevMan; editing tables in RevMan by Dr Nishant and Dr Kiran. Dr Nishant gave lecture on databases(pubmed, embase, cochrane library) and RevMan software.





AT 3:15 P.M Interpretation of the findings and thier conclusions were drawn by Dr. Meenu Singh. All the participants discussed the related topics which done by them, they also put their queries of some concept and Prof. Meenu Singh helped them for thier statistical queries.





