



# ICMR Advanced Centre for Evidence Based Child Health

*Short Course:*

## **“How to Practise Evidence Based Child Health”**

14<sup>th</sup> June to 16<sup>th</sup> June, 2013,

Venue: School of Public Health,

PGIMER, Chandigarh

# LIST OF PARTICIPANTS AND TUTORS

The participants from various departments like department of paediatrics, pharmacology and community medicine attended the course.

Faculty members:

1. Dr. Meenu Singh
2. Dr. Saurabh Dutta
3. Dr. Joseph L. Mathew
4. Dr. Roosy Aulakh
5. Mrs. Neelima Chadha
6. Mrs. Madhu Sharma
7. Dr. Ashwani Sood
8. Mr. Amit Agarwal
9. Dr. Deepak Chawla
10. Ms. Harpreet Kaur
11. Dr. T. Kiran Kumar
12. Dr. Nishant P. Jaiswal

## Registered participants:

1. Mr. Pankaj Pant
2. Dr. Sunita
3. Dr.Golechha
4. Dr. Nidhi Sharma
5. Ms. Swati Sagwal
6. Mr. Kapil Gudala
7. Dr. Shahikant Dhir
8. Dr.Karnail Singh
9. Mr. Rajiv Ahlawat
10. Dr. Anil Kumar Poonia
11. Dr. Manish Gupta
12. Ms. Harmanpreet Kaur
13. Dr. Neetu Sharma
14. Dr. Shinu Singla
15. Dr. Prachi
16. Dr. Anjali
17. Mr. Anil Chauhan
18. Dr. Priyanka
19. Dr. Raj Kumar
20. Dr. Rohit Kumar
21. Dr. Paramvir Singh
22. Dr. Ghansham

Proceedings

**14<sup>th</sup> June 2013**

**Day 1**

The centre initiated the short course on “HOW TO PRACTISE EVIDENCE BASED CHILD HEALTH” on 14<sup>th</sup> June, 2013 at 9:00 A.M in seminar room. Participants from different departments of the institute were addressed by Dr. Meenu Singh. A pre-test for the short course was conducted.

Dr. Joseph Mathew discussed about intervention studies (Randomized Controlled Trials). He explained the participants about the different biases in the trials and about the calculation of treatment effect. The critical appraisal of the intervention study, according to the checklist provided in the learning material, was taken up by Dr. Nishant P Jaiswal, Dr. Kiran Kumar and Dr. Roosy Aulakh.

In the afternoon session, the participants had hands-on-practice with PUBMED Database and conducted searches with Mrs. Neelima Chadha and Ms Harpreet Kaur.



**Dr Joseph L.Mathew discussing about Randomised Controlled Trials (RCTs)**



**Dr. Roosy appraising Randomised Controlled Trials (RCTs)**



**Dr. Kiran Kumar in discussion with participants**



**Ms Neelima Chadha discussing about Pubmed.**

**15<sup>th</sup> June 2013**

**Day 2**

The day began with plenary session for diagnostic tests. The session was conducted by Dr.Saurabh Dutta. He explained about the various criteria for appraisal of Diagnostic Test Accuracy study and the concepts of sensitivity, specificity, predictive values and likelihood ratios. The critical appraisal of the diagnostic study, according to the checklist provided in the learning material was done by Dr. Roosy Aulakh, Dr. Kiran Kumar and Dr. Nishant P. Jaiswal .

In the afternoon session the participants had hands-on-practice with EMBASE Database and conducted searches with Mrs. Neelima Chadha and Ms Harpreet Kaur. They were familiarized with the use of Emtree (controlled vocabulary tool) for performing searches in EMBASE database.



**Dr. Saurabh Dutta discussing the Diagnostic test study**



**Ms. Harpreet Kaur explaining about the search methodology**

**16<sup>th</sup> June 2013**

**Day 3**

The concluding day was devoted to study of systematic reviews. Dr. Meenu Singh delivered the plenary lecture on how to conduct a systematic review and also educated the participants about how to write a protocol. Dr. Deepak Chawla educated the participants about the critical appraisal of systematic review.

In the afternoon, participants were given post-test for the course and feedback questionnaires were taken from them. Dr. K.K. Talwar discussed about the importance of Evidence Based Medicine and also felicitated the students by distributing certificates.



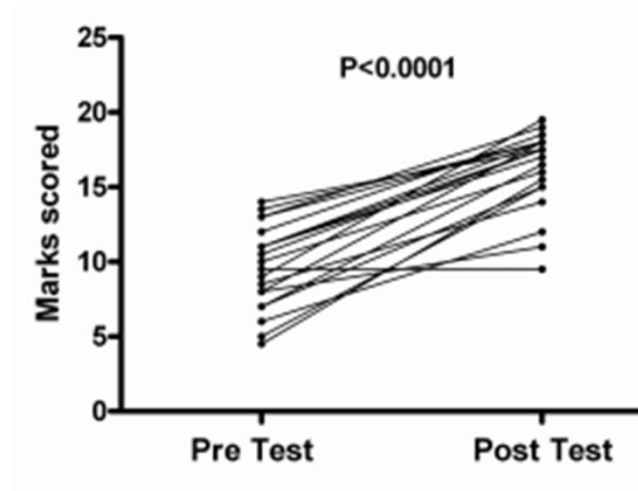
**Dr. Deepak Chawla discussing about the systematic reviews**



**Certificate distribution**

# Pre-test and Post-test Analysis

A total of 22 participants have given the Pre-test conducted on 14<sup>th</sup> June, 2013. At the end of workshop on 16<sup>th</sup> June, 2013 same number of participants have given the post-test. The mean difference between Pre-test ( $9.19 \pm 2.77$ ) and Post-test analysis ( $16.14 \pm 2.63$ ) was statistically significant demonstrating that the participants performed better during the post-test as compared to the pre-test ( $p < 0.0001$ ) (Figure 1).



**Figure 1.** Analysis of pre-test and post test groups.

$P < 0.0001$  was considered to be significant

COURSE  
EVALUATION  
QUESTIONNAIRE

All the participants were asked to fill the feedback forms regarding the plenary session, systematic reviews, literature search , group discussion and impact on the use of evidence based strategy in future practice. A total of 22 feedback forms were received from the participants. All the participants were asked to mark or rate the performance given as numbers (1-poor to 5-excellent) and they rated the performance as shown below:

- I. Thirty percent of the participant felt that the course objective was well met and rated good and 70% rated excellent.
- II. Twenty percent of the participants read the preparatory material for the appraisal session before the workshop.
- III. Only 5% of participants felt that the work shop material given was too much.
- IV. The 79% of participants rated excellent and 21% rated good regarding the relevance of small group sessions. The 68% of participants rated excellent, 32% rated good regarding the teaching of small group sessions
- V. The 86% of participants felt relevance of intervention study as good and 14% as excellent. The 67% of participant rated teaching of the Intervention session as excellent and the remaining 33% of participants felt good.
- VI. The 84% of participants felt relevance and teaching of the Diagnostic tests session was excellent and the remaining 16% of participants felt good.
- VII. The 80% of participants felt relevance and teaching of carrying out a systematic review session was excellent and the remaining 20% of participants felt good.

- VIII. The 82% of participants felt excellent where the plenary sessions were useful in helping to understand how to use evidence in practice and the remaining 18% of participants felt good.
- IX. The 25% of participants rated excellent the way in which the groups were facilitated and the remaining 42% and 33% of participants felt good and above average
- X. The 72% of participants rated excellent the relevance of the course to their work and the remaining 28% of participants felt good.
- XI. 81% of participants rated excellent that the course will have impact on the use of evidence in future research and the remaining 19% of participants felt good.
- XII. The 78% of the participants enjoyed the small group sessions and rated them excellent and the remaining 22% of participants felt good.
- XIII. All the participants were interested in learning more about evidence based medicine. The 61% of the participants are interested in all i.e, training to be a tutor, advanced workshop on practicing evidence based course for children and running groups at work place, interested in advanced workshop on practicing evidence based course for children, interested in training to be a tutor and interested in running groups at their work places.

Group  
Photograph

