



**ADVANCED CENTRE**



**FOR EVIDENCE BASED CHILD  
HEALTH**

**SHORT COURSE**

**“HOW TO PRACTISE EVIDENCE BASED  
CHILD HEALTH”**

**8<sup>TH</sup> -9<sup>TH</sup> AUG, 2012**



**DR. RAJENDRA PRASAD GOVT.  
MEDICAL COLLEGE, TANDA**

The ICMR-Advanced Centre for Evidence Based Child Health PGIMER, Chandigarh in association with the satellite centre Dr. Rajendra Prasad Govt. Medical College, Tanda at Kangra organized two day short course “How to Practise Evidence based Child Health” from 8<sup>th</sup>-9<sup>th</sup> Aug, 2012. Participants from different departments of the college like pediatrics, pharmacology, community medicine, obstetrics and gynecology, anesthesiology, ENT etc. had attended the course with great enthusiasm. The short course trained the participants in critical appraisal of various clinical trials and introduced them with evidence based child health. Participants were also provided with hands-on experience of using various medical databases (PUBMED, EMBASE, Cochrane library etc).





## LIST OF MEMBERS WHO HAVE ATTENDED THE COURSE



## **TUTORS**

1. Dr. Meenu Singh
2. Dr. Bhavneet Bharti
3. Dr. Ashoo Grover
4. Mrs. Neelima Chadha
5. Dr. Nishant P. Jaiswal
6. Ms. Harpreet Kaur

## **REGISTERED PARTICIPANTS**

1. Dr. Sanjeev Chaudhary (Tutor cum participant)
2. Dr. Milap Sharma (Tutor cum participant)
3. Dr. R.S. Jaswal
4. Dr. Piyush Gautam
5. Dr. Jyoti Sharma
6. Dr. Ajay Sharma
7. Dr. Avinash Sharma
8. Dr. Atul Gupta
9. Dr. Nivedita
10. Dr. Pradeep Bansal
11. Dr. S.K. Raina
12. Dr. Dinesh Kumar
13. Dr. Vishav Chander

14. Dr. Abhilash Sood
15. Dr. R.K. Verma
16. Dr. Shelly Rana
17. Dr. P.S. Chauhan
18. Dr. Naveen Sharma
19. Dr. Rajeev Tuli
20. Dr. S.S. Dogra
21. Dr. D.K. Kansal
22. Dr. P.K.Sharma
23. Dr. Priyanka Bhat
24. Dr. Amit Gupta
25. Dr. Vivek Chauhan
26. Dr. Vikram Mahajan
27. Dr. Roopa Ravindran
28. Dr. Sita Thakur
29. Dr. Kamlesh Thakur
30. Dr. Ashok Verma
31. Pardeep Behl

**SECRETARIAL STAFF**

Mr. S.D. Rana





## PROCEEDINGS





*Registration Desk*

*Principal Investigator, Dr. Meenu Singh taking the plenary session*



*Dr. Bhavneet Bharti explaining about randomized control trials*

*Mrs. Neelima Chadha conducting  
PuBMED search session*



*Course material compilation for  
distribution*

*Group divisions for systematic  
review session*

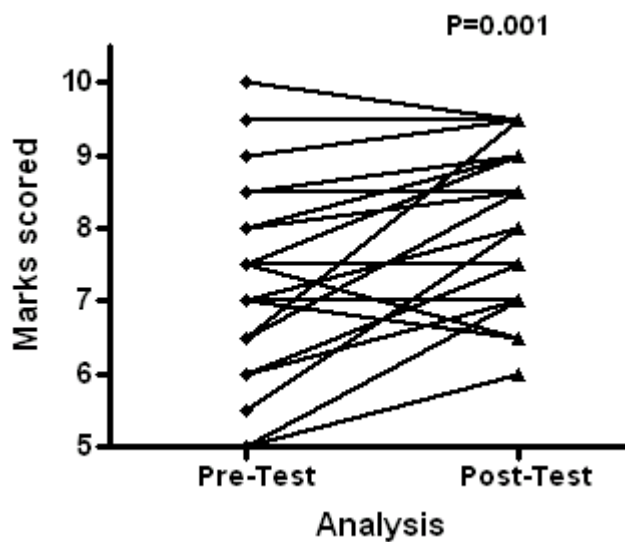




**PRE-TEST & POST-  
TEST ANALYSIS**

Pre-test was conducted on 8<sup>th</sup> July 2012 and a total of 23 participants were given the test. Post-test was conducted on 9<sup>st</sup> July 2012 (at the end of work shop) and a total of 24 participants were given the test. The difference between Pre-test and Post-test analysis showed significant change and the participants performed better during the post-test when compared to the pre-test ( $p=0.001$ ) (Figure 1).

Figure 1.



**COURSE EVALUATION**  
**QUESTIONNAIRE**

At the end of the workshop, all the participants were asked to fill the feedback forms regarding the plenary sessions, systematic reviews, group discussions, literature search and impact on the use of evidence in future practice. A total of 25 feedback forms were received from the participants. The participants were asked to mark or rate the performance given as numbers (1-poor to 5-excellent).

1. 60% of the participant felt that the course objective was well met and rated good, 24% rated excellent and 16% rated above average.
2. 30% of the participants read the preparatory material for the appraisal session before the course.
3. Only 20% of participants felt that the course material given was too much.
4. 32% of participants rated excellent, 48% rated good and 20% rated above average regarding the relevance and teaching of small group sessions.
5. 92% of participants felt relevance and teaching of the Intervention session was good and the remaining 8% of participants felt above average.
6. 80% of participants felt relevance and teaching of the Diagnostic tests session was good and the remaining 20% of participants excellent.
7. 44% of participants felt relevance and teaching of carrying out a Systematic review session was excellent and the remaining 56% of participants felt good.
8. 32% of participants felt excellent where the plenary sessions were useful in helping to understand how to use evidence in practice and the remaining 68% of participants felt good.
9. 60% of participants rated excellent the way in which the groups were facilitated and the remaining 40% of participants felt good.

10. 36% of participants rated excellent the relevance of the course to their work and the remaining 64% of participants felt good.
11. 44% of participants rated excellent that the course will have impact on the use of evidence in future research and the remaining 54% of participants felt good.
12. 84% of the participants enjoyed the small group sessions and rated them excellent and the remaining 16% of participants felt good.
13. All the participants were interested in learning more about evidence based child health. 20% 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. 68% of the participants are interested in advanced workshop on practicing evidence based course for children, 12% of participants are interested in training to be a tutor and the remaining 20% of participants are interested in running groups at their work places.



**8<sup>th</sup> Aug, 2012**

**Day 1**

The day began with CPC attended by majority of participants from different disciplines and faculty members at the Multimedia Centre of the Library of Dr. Rajendra Prasad Govt. Medical College. Dr. Yogesh Chawla, Director PGIMER, Chandigarh formally initiated the satellite centre for ICMR project “Evidence Based Child Health” and lauded the efforts of Principal Investigator, Dr. Meenu Singh while addressing the participants through videoconferencing. A brief introductory round for the participants as well as for the tutors was held. Principal Investigator made everyone aware about the evidence based child health and the role the ICMR centre is going to play in this area. Thereafter, formal registration of the participants and distribution of course material was done. Dr. Meenu Singh took plenary session for the course followed by an introductory lecture on randomized control trials by Dr. Bhavneet Bharti. She discussed about intervention studies: types of randomization, population, sample size etc. Afterwards, the basics about literature searching were taught by Mrs. Neelima Chadha. A pre-test for the short course was conducted followed by division of participants into two groups.

In the afternoon session, the first group of participants attended intervention session conducted by Dr. Bhavneet Bharti and Dr. Nishant P. Jaiswal. The critical appraisal of the intervention study was done according to the checklist provided in the learning material. The other group put hands-on-practice with PUBMED Database and conducted searches with Mrs. Neelima Chadha. They were familiarized with the use of MeSH database for performing searches in PUBMED by Ms. Harpreet Kaur and afterwards groups were exchanged for sessions.

**9<sup>th</sup> Aug, 2012**

**Day 2**

The second day was devoted to study of systematic reviews. Dr. Meenu Singh took the plenary lecture on how to conduct a systematic review. She also educated the participants about how to write a protocol followed by the critical appraisal of systematic review; session taken by Dr. Bhavneet Bharti. A demo of Cochrane Library and searches in that were also conducted by Ms. Harpreet Kaur.

In the afternoon, participants were given post-test for the course and feedback questionnaires were taken from them. Course Participation certificates were distributed by Dr. Sanjeev Chaudhary, HOD, Pediatrics, Dr. RPGMC, Tanda.