



**Advanced Centre for Evidence-Based Child Health
Advanced Pediatrics Centre
Post Graduate Institute of Medical Education &
Research
Sector – 12; Chandigarh-160012**

**SHORT COURSE
“HOW TO TEACH EVIDENCE
BASED CHILD HEALTH”**

09th Feb 2014-11th Feb 2014

PGIMER, CHANDIGARH

ICMR Advanced Centre for Evidence Based Child Health conducted a short course on “How to Teach Evidence Based Child Health” from 09th Feb 2014 to 11th Feb 2014 at PGIMER Chandigarh. The participants from Dental department attended the course.

*LIST OF MEMBERS
WHO ATTENDED THE
COURSE*

Tutors:

1. Dr. Meenu Singh
2. Muthu Murgun
3. Jitendra Sahu
4. Dr. Nishant P. Jaiswal
5. Dr. Amit Agarwal
6. Neelima Chadha

REGISTERED PARTICIPANTS

1. Dr. Nisietha
2. Mr. Naveen Raj.V
3. Dr. Jaya Chandra Reddy
4. Dr. Dinesh
5. Dr. Tarun
6. Dr. Vijay
7. Dr. Nameksh
8. Dr. Neeti Mittal
9. Dr. Binita Srivastava
10. Dr. M.Ramya Chowdhary
11. Dr. Shantha Sakthi
12. Dr. Neeraja Ramadurai
13. Dr. Lavanya
14. Dr. Gyana Ranjan
15. Dr. Sombir Singh
16. Dr. S.P Kaur
17. Mr. Pankaj Pant
18. Mr. Munish Kumar

Proceedings

09th Feb 2014

Day 1

The centre initiated the short course on “HOW TO PRACTISE EVIDENCE BASED CHILD HEALTH” on 09th Jan, 2014 at 9:00 A.M, at LT-2 PGIMER. Participants from Dental departments of the institute were addressed by Dr. Meenu Singh. A pre-test for the short course was conducted.

Dr. Meenu Singh introduced the participants to Evidence based Child Health and familiarised them with the basic idea behind Evidence Based Child Health. Dr. Jitendra Sahu conducts session about Design of RCT (Randomized Controlled Trail). Pre lunch session comprised of small group discussions and hands-on critical appraisal of Intervention study according to the check-list provided in the learning material. Small group were led by Dr. Amit Agarwal and Dr. Nishant and were moderated by Dr. Meenu Singh. In afternoon session was started by Neelima Chadha then demonstrated Pubmed, She also familiarised participants with Mesh terms. The participants in searching these data bases and also demonstrated the retrieval of full text article.



Dr. Meenu Singh addressing the participants on day one.



Dr. Himesh during diagnostic test planery session

10th Feb 2014

Day 2

In the morning session, Dr. Muthu Murgun introduced the participant to systematic Review. After that he demonstrates the method to interpret systematic review and component of systematic review. He also discussed the interpretation of forest Plot and signs of Meta-analysis. Dr Muthu Murgun teach the participants how to conduct systematic Review and also discussed how to differentiate between systematic review and traditional review. It was followed by critical appraisal of systematic review according to the check list providing the learning material. Appraisal was followed by lunch after which the participant were given post test and feed-back questionnaires, which were collected.

In afternoon session was started by Ms. Neelima Chadha with his lecture on keywords for searching. Dr. Amit then demonstrated Embase and Cochrane Library. He also familiarised participants with Emtree terms.

11th Feb 2014

Day 3

Morning session was started by Dr. Nishant P. Jaiswal, He discussed about GARDE and GRADEpro software. Pre lunch session comprised of hands-on GARDE and GRADEpro according to the check-list provided in the learning material

Valedictory Ceremony followed the GARDE and GRADEpro software session and Dr. Gauba and Dr. Meenu Singh distributed the certificates to participants and Tutors. Dr. Meenu Singh felicitated Dr. Gauba and concluded the day.



Dr. Ahangar, Dr. Meenu Singh and Ms. Wanda Dkar shared the dice on inauguration of the course.



Dr Nursrat Shafiq discussing about Randomised Controlled Trials (RCTs)



Participants in small group session



Dr. Amit discussing about EMBASE database



Dr. V.M. Katoch, Dr. Ahangar, Dr. Meenu Singh, Dr. Santa Singh and Ms Wanda Dkar: inaugurating the satellite session.



Dr. Ahangar felicitating Dr. V.M. Katoch



Dr. V.M Katoch addressing the participants



Dr. Amit demonstrating the Cochrane library



Dr. Ahangar distributing the certificate to one of the course participant.

Pre-test and Post-test Analysis

A total of 29 participants have given the Pre-test conducted on 15th April, 2013. At the end of workshop on 17th April, 2013 same number of participants have given the post-test. The mean difference between Pre-test (7.30 ± 2.61) and Post-test analysis (15.31 ± 3.85) was statistically significant demonstrating that the participants performed better during the post-test as compared to the pre-test ($p < 0.0001$) (Figure 1).

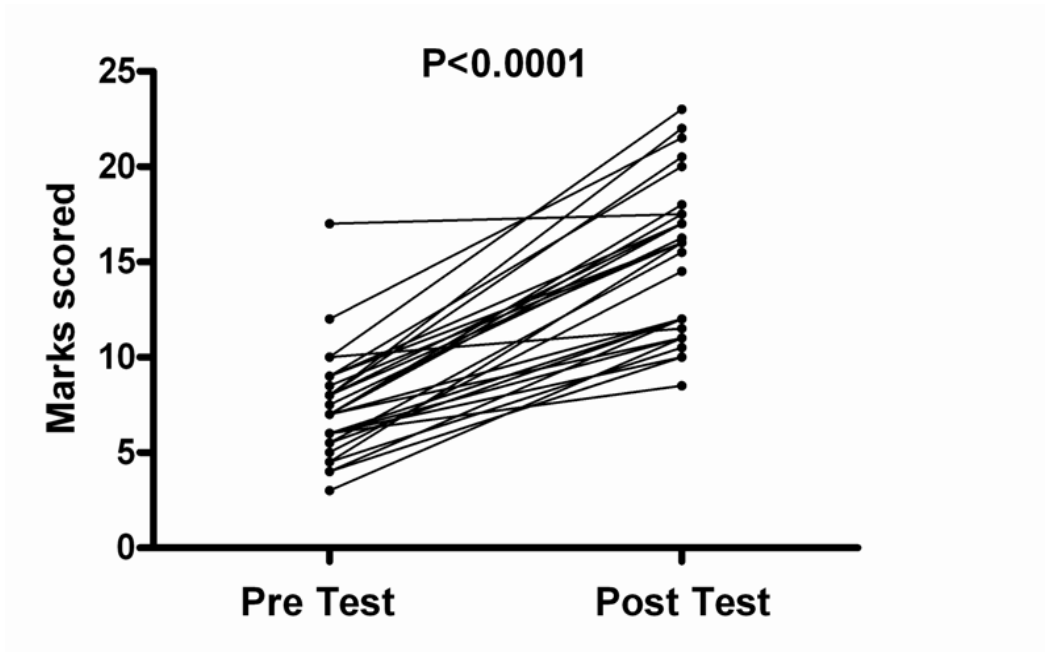


Figure 1. Analysis of pre-test and post test groups.

$P < 0.0001$ 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 29 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. Forty percent of the participant felt that the course objective was well met and rated good and 70% rated excellent.
- II. Ten percent of the participants read the preparatory material for the appraisal session before the workshop.
- III. Only 10% of participants felt that the work shop material given was too much.
- IV. The 75% of participants rated excellent and 25% rated good regarding the relevance of small group sessions. The 78% of participants rated excellent, 22% rated good regarding the teaching of small group sessions
- V. The 83% of participants felt relevance of intervention study as good and 17% as excellent. The 77% of participant rated teaching of the Intervention session as excellent and the remaining 23% of participants felt good.
- VI. The 88% of participants felt relevance and teaching of the Diagnostic tests session was excellent and the remaining 12% of participants felt good.
- VII. The 78% of participants felt relevance and teaching of carrying out a

systematic review session was excellent and the remaining 22% of participants felt good.

- VIII. The 87% of participants felt excellent where the plenary sessions were useful in helping to understand how to use evidence in practice and the remaining 13% of participants felt good.

- IX. The 28% of participants rated excellent the way in which the groups were facilitated and the remaining 39% and 33% of participants felt good and above average

- X. The 76% of participants rated excellent the relevance of the course to their work and the remaining 24% of participants felt good.

- XI. 88% of participants rated excellent that the course will have impact on the use of evidence in future research and the remaining 12% of participants felt good.

- XII. The 76% of the participants enjoyed the small group sessions and rated them excellent and the remaining 24% of participants felt good.

- XIII. All the participants were interested in learning more about evidence based medicine. The 69% 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

