



# 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”

*10<sup>th</sup> May 2014- 11<sup>th</sup> May 2014*

*LT-1*

# *PGIMER, CHANDIGARH*

ICMR Advanced Centre for Evidence Based Child Health conducted a short course on “How to Teach Evidence Based Child Health” from 10<sup>th</sup> May 2014 to 11<sup>th</sup> May 2014 at PGIMER Chandigarh. The participants from various departments attended the course.

# LIST OF MEMBERS WHO ATTENDED THE COURSE

## Tutors:

1. Dr. Meenu Singh
2. Dr. Sameer Malhotra
3. Dr. Nishant P. Jaiswal
4. Dr. Kiran Kumar
5. Dr. Ishita Jindal
6. Dr. Amit Agarwal
7. Mrs. Neelima Chadha
8. Ms. Harpreet Kaur

## REGISTERED PARTICIPANTS

1. Mr. Vivek Kumar Garg
2. Dr.G.Parveen Kumar

3. Dr.Ramanjot Kaur
4. Mr. Rahul Singh
5. Ms. Sweta
6. Mr.Pankaj
7. Mr.Amit
8. Dr. Gursimer Jeet
9. Mr. Vivek Singh Malik
10. Mr. Sunil
11. Mr. Manoj
12. Mr. Dimple Prashar
13. Mr. Jitender
14. Mr. Haarish Kumar
15. Dr.Hari Krishan Reddy
16. Ms. Nandani Paul
17. Ms. Swati
18. Ms. Meenu Dutt
19. Mr. Lalita Dheer
20. Ms. Deepika

# ***PROCEEDINGS***

10<sup>th</sup> May 2014

Day 1

The centre initiated the short course on “HOW TO PRACTISE EVIDENCE BASED CHILD HEALTH” on 10<sup>th</sup> May, 2014 at 9:00 A.M, at LT-1 PGIMER. Participants from Different Departments of the institute were addressed by Dr. Meenu Singh.

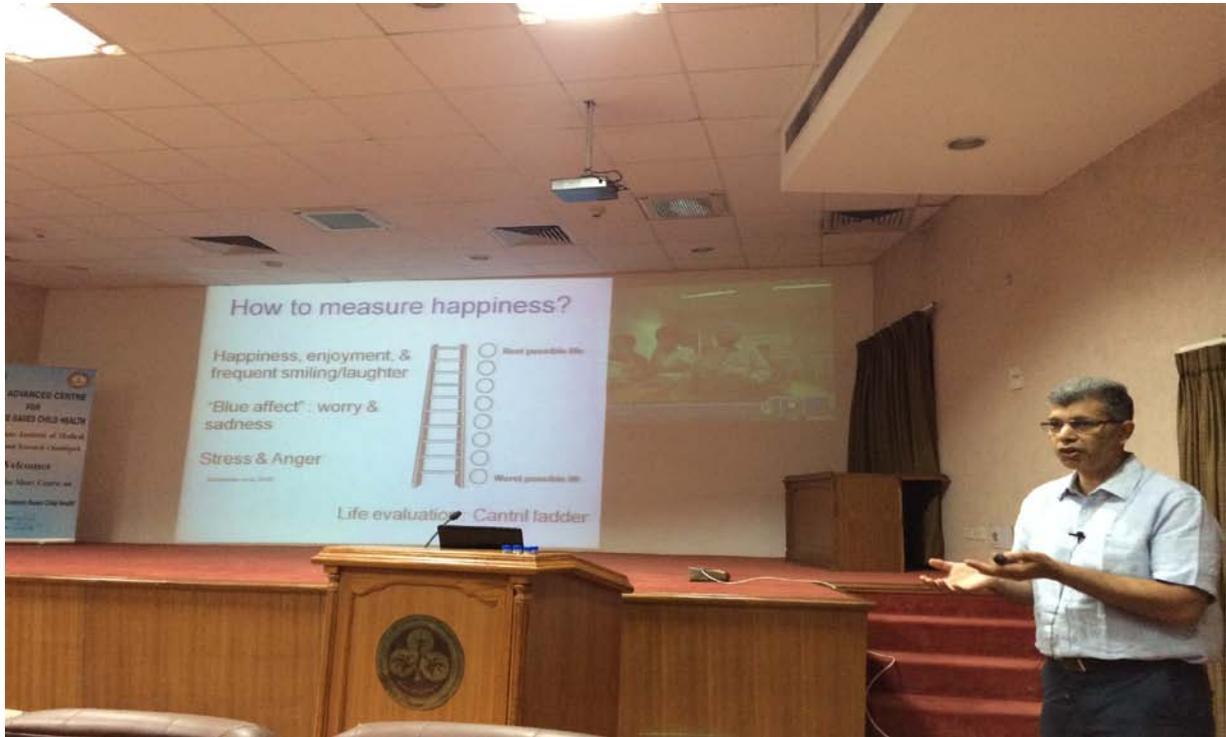
Dr. Meenu Singh introduced the participants to Evidence based Child Health and familiarised then with the basic idea behind Evidence Based Child Health.

Dr. Sameer Malhotra give a lecture on 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.

In afternoon session was started by Harpreet Kaur then demonstrated Pub-med and also familiarised participants with Mesh terms. She also demonstrated retrieval of full text article.



**Dr. Meenu Singh addressing the participants on day one.**



**Dr. Sameer Malhotra Teach how to Design of RCT**



**Ms. Harpreet Kaur demonstrated Pubmed**

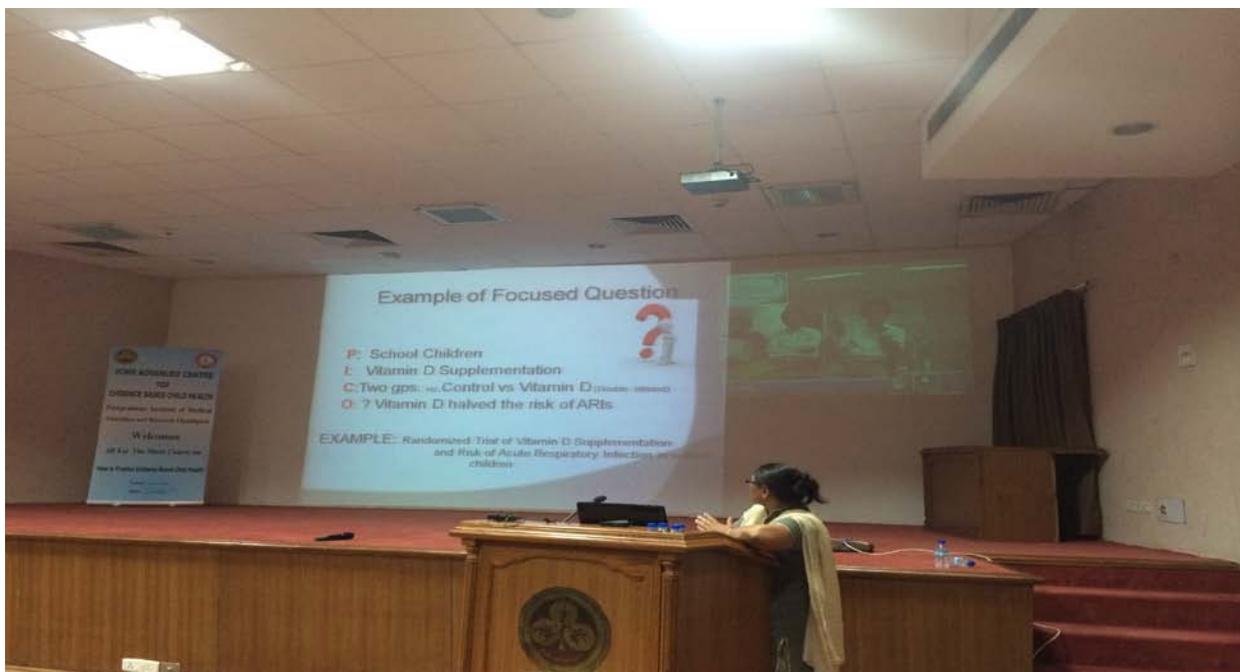
10<sup>th</sup> May 2014

Day 2

In the morning session, Dr. Meenu Singh introduced the participant to systematic Review. After that she demonstrates the method to interpret systematic review and component of systematic review. She also discussed the interpretation of forest Plot and signs of Meta-analysis.

Dr Meenu Singh teaches the participants how to conduct systematic Review and also discussed how to differentiate between systematic review and traditional review. It was followed by critical appraised of systematic review according to the check list providing the learning material. Appraised was followed by lunch after which the participant were given post test and feed-back questionnaires, which were collected.

In afternoon session Ms. Neelima Chadha took a lecture on 'keywords for searching articals'. Dr. Amit further demonstrated 'Embase and Cochrane Library'. He also familiarised the participants with 'Emtree terms'.



**Mrs. Neelima Chadha giving lecture on Searches**



**Group Session**



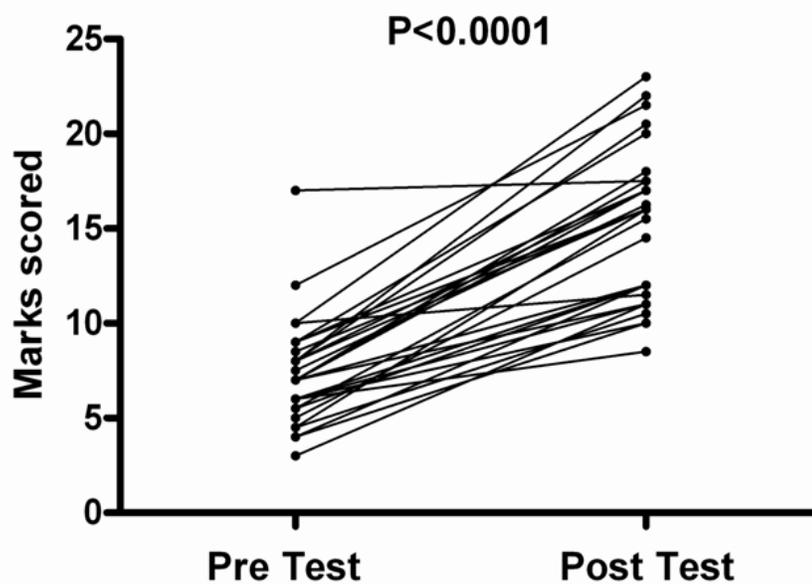
**Dr. Amit demonstrated Embase and Cochrane Library**

# Group Photograph



*Pre-test and  
Post-test  
Analysis*

A total of 20 participants have given the Pre-test conducted on 10<sup>th</sup> May, 2014. At the end of workshop on 11<sup>th</sup> May, 2014 same number of participants have given the post-test. The mean difference between Pre-test ( $7.30 \pm 2.61$ ) and Post-test analysis ( $15.31 \pm 3.85$ ) 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 20 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.