



ADVANCED CENTRE



**FOR EVIDENCE BASED CHILD
HEALTH**

SHORT COURSE

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

14TH -16TH SEPTEMBER, 2012

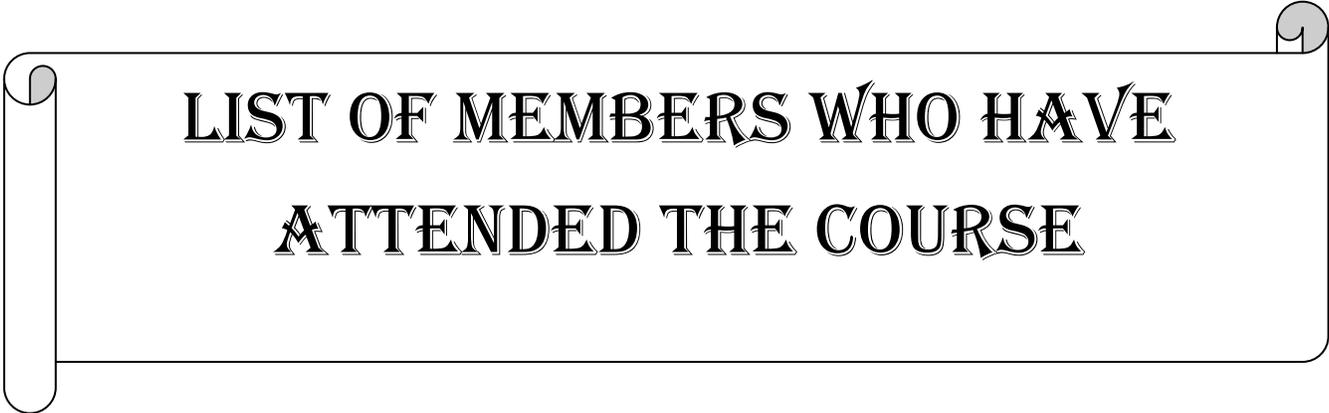
**NATIONAL INSTITUTE OF NURSING
EDUCATION (NINE), PGIMER**



The ICMR-Advanced Centre for Evidence Based Child Health PGIMER, Chandigarh organized a three day short course “How to Practise Evidence based Child Health” from 14th Sept- 16th Sept, 2012 at National Institute of Nursing Education (NINE). M.Sc. nursing students of different streams like pediatrics, community health, obstetrics and gynaecology and faculty members of the institute had attended the course with great zest and zeal. 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, Cochrane library etc). A special demonstration of CINHAL database was also conducted.



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**LIST OF MEMBERS WHO HAVE
ATTENDED THE COURSE**

TUTORS

1. Dr. Meenu Singh
2. Dr. Joseph L. Mathew
3. Dr. Bhavneet Bharti
4. Mrs. Neelima Chadha
5. Mrs. Lalita Dheer
6. Dr. Nishant P. Jaiswal
7. Dr. T. Kiran Kumar
8. Ms. Blessy Elizabeth Philip
9. Ms. Harpreet Kaur

REGISTERED PARTICIPANTS

1. Dr. Avinash Kaur Rana
2. Dr. Sushma Kumari Saini
3. Dr. Sukhwinder Kaur
4. Mrs. Kavita
5. Ms. Neena Vir Singh
6. Mrs. Geetanjali
7. Dr. Sukhjit Kaur
8. Mrs. Rupinder Kaur
9. Reena
10. Harmanjot Kaur Mann
11. Esha Sharma
12. Arun T.M.
13. Navjot Kiran
14. Nicholas Rouben
15. Liji George
16. Davinder Kaur
17. Poonam Bala
18. C. Lotus Kikon
19. Alphonsa Muth Thomas
20. Sujith Mathew
21. Anuroop Kaur
22. Damanpreet Kaur
23. Deepak
24. Navkiran Kaur
25. Baljit Kaur
26. Sumandeep Kaur
27. Lhamit Lepcha
28. Rima Gupta

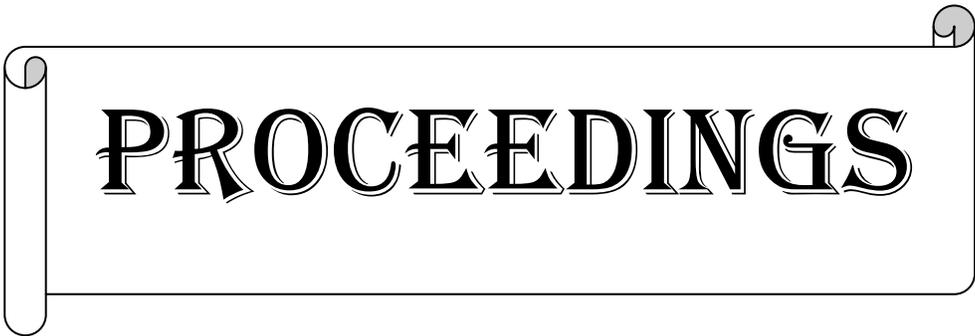
29. Anup D Salve

OTHERS

1. Dr. Karan Singh
2. Dr. Bijayluxmi
3. Mrs. Suman Gautam
4. Mrs. Nitasha Rani

SECRETARIAL STAFF

1. Mr. S.D. Rana
2. Mr. Pankaj Pant



PROCEEDINGS

14th Sep,2012

Day 1

The day began with registration of the participants for the course. Dr. Sandhya Ghai, Principal NINE delivered the welcome address for the participants and ICMR Advanced Centre for Evidence Based Child Health Team. A brief introductory round for the participants as well as for the tutors was held. Principal Investigator, Dr. Meenu Singh made everyone aware about the evidence based child health and the role the ICMR centre is going to play in this area. A pre-test for the short course was conducted. Thereafter, 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. Participants were then divided into groups for RCT appraisal session which was conducted by Dr. Bhavneet Bharti, Dr. Nishant P. Jaiswal and Dr. Karan Singh. The appraisal of the intervention study was done according to the checklist provided in the learning material.

In the afternoon session, the basics about literature searching were taught by Mrs. Neelima Chadha. Participants were made familiar with the use of MeSH database for performing searches in PUBMED. Mrs. Lalita Dheer created awareness about the various databases available in the public domain for the nursing fraternity through her presentation.

15th Sep, 2012

Day 2

The day began with plenary session for diagnostic tests. The session was conducted by Dr. Joseph L. Mathew. He explained the importance of Gold Standard concept, sensitivity and specificity. Then the participants in groups discussed the diagnostic paper given in the course material. The critical appraisal of the diagnostic study was done according to the checklist by Dr. Nishant P. Jaiswal and Dr. T. Kiran Kumar. In the afternoon session, a special demonstration of **CINHAL** database was carried out by Mr. Sanjay Goswami from EBSCO host. He gave a detailed description about the journals available on nursing subject on the EBSCO platform.

16th Sep, 2012

Day 3

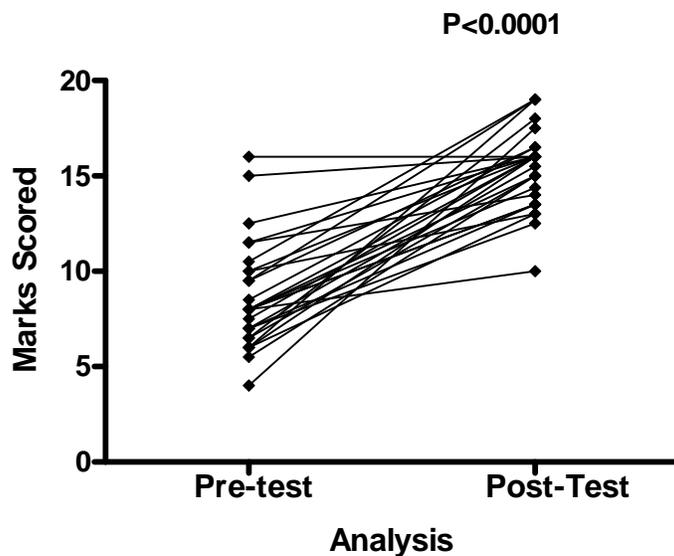
The last day was devoted to study of systematic reviews. Ms. Blessy Elizabeth Philip took the plenary lecture on how to conduct a systematic review. Dr. Meenu Singh educated the participants about how to write a protocol followed by the critical appraisal of systematic review paper; session taken by Dr. Bhavneet Bharti and Dr. Karan Singh. 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. Meenu Singh and Dr. Sandhya Ghai, Principal NINE at the valedictory ceremony.

PRE-TEST AND POST-TEST ANALYSIS

Pre-test was conducted on 14th September 2012 and a total of 28 participants were given the test. Post-test was conducted on 16st September 2012 (at the end of work shop) and a total of 28 participants were given the test. The mean difference between Pre-test (8.62 ± 2.77) and Post-test analysis (15.40 ± 2.09) showed significant and the participants performed better during the post-test when compared to the pre-test ($p < 0.0001$) (Figure 1).

Figure 1.



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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 28 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. 54% of the participant felt that the course objective was well met and rated good and 46% rated excellent.
2. 57% of the participants read the preparatory material for the appraisal session before the workshop.
3. Only 82% of participants felt that the work shop material given was too much.
4. 54% of participants rated excellent, 32% rated good and 14% rated above average regarding the relevance of small group sessions. 61% of participants rated excellent, 39% rated good regarding the teaching of small group sessions.
5. 54% of participants felt relevance and teaching of the Intervention session was excellent and the remaining 46% of participants felt good.
6. 93% of participants felt relevance and teaching of the Diagnostic tests session was excellent and the remaining 7% of participants felt good.
7. 50% of participants felt relevance and teaching of carrying out a systematic review session was excellent and the remaining 50% of participants felt good.
8. 46% of participants felt excellent where the plenary sessions were useful in helping to understand how to use evidence in practice and the remaining 54% of participants felt good.
9. 22% of participants rated excellent the way in which the groups were facilitated and the remaining 57% and 14% of participants felt good and above average.
10. 46% of participants rated excellent the relevance of the course to their work and the remaining 54% of participants felt good.

11. 61% of participants rated excellent that the course will have impact on the use of evidence in future research and the remaining 39% of participants felt good.
12. 80% of the participants enjoyed the small group sessions and rated them excellent and the remaining 20% of participants felt good.
13. All the participants were interested in learning more about evidence based medicine. 28% 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, 61% of participants are interested in training to be a tutor and the remaining 32% of participants are interested in running groups at their work places.



CERTIFICATE