



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 PRACTISE EVIDENCE BASED CHILD HEALTH”

15th April 2013-17th April 2013

NEIGRIHMS, Shillong

ICMR Advanced Centre for Evidence Based Child Health conducted a short course on “How to practise Evidence Based Child Health” from 15th April 2013 to 17th April 2013 at NEIGRIHMS in Shillong. The participants from various departments like department of Microbiology, Pharmacology, Pediatrics, Community and General medicine attended the course.

LIST OF MEMBERS
WHO ATTENDED
THE COURSE

Tutors:

1. Dr. Meenu Singh
2. Dr. Samir Malhotra
3. Dr. Nusrat Shafiq
4. Dr. Kiran Kumar
5. Dr. Ajay Kumar
6. Dr. Nishant P. Jaiswal
7. Dr. Amit Agarwal
8. Mr. Anil Chauhan
9. Dr. W.V. Lyngdoh
10. Dr. Rashna Hazarika

REGISTERED PARTICIPANTS

1. Dr. Himesh Barman
2. Dr. N.L. Bhaumik
3. Dr. Nikita Jaiswal
4. Dr. Annie B Khyriem
5. Dr. Evarisalin Marbaniang
6. Dr. Star Pala
7. Dr. Jeremiah Kharshiing
8. Dr. Melody Baruah
9. Dr. Jyoti Hazarika
10. Dr. D Elintamilan

11. Mr. Candice Joan Basaiawmoit
12. Ms Mellisha Dympep
13. Mr. Maybornlyne Sohtun
14. Ms Hima Das
15. Ms. Alila Jamir
16. Ms. Bharati Boro
17. Dr. Naushad Shah
18. Ms Margrita C Nengnong
19. Ms Bina Khongbuh
20. Dr. Lalromawii
21. Ms W. Purnima Devi
22. Ms P. Sheela Devi
23. Ms Flora L. Kanri
24. Ms. Lailienching
25. Ms. Salam Premila Devi
26. Ms Jodibala Haobigam
27. Dr. Jaya Mishra
28. Ms. Yumnam Kiranmala Devi
29. Mr. Sudhansh Rai

Proceedings

15th April 2013

Day 1

The centre initiated the short course on “HOW TO PRACTISE EVIDENCE BASED CHILD HEALTH” on 15th April, 2013 at 9:00 A.M, at seminar room of NEIGRIHMS. Participants from different departments of the institute were addressed by Dr. Meenu Singh. A pre-test for the short course was conducted.

Dr. Samir Malhotra discussed about diagnostic test. 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. Kiran Kumar and Dr. Nishant P. Jaiswal and Dr. Ajay Kumar.

In the afternoon session the participants had hands-on-practice with PUBMED searches Dr. Amit Agarwal. They were familiarized with the use of Mesh (Medical subject heading) for performing searches in PUBMED database.



Dr. Meenu Singh addressing the participants on day one.



Dr. Sameer during diagnostic test planery session

16th April 2013

Day 2

The course was inaugurated by Dr. Ahangar, Director, NEIGRIHMS and Dr. Meenu Singh, Principal Investigator, ICMR advanced centre for evidence based child health.

On day two the first session was conducted by Dr. Nusrat Shafiq about intervention studies (Randomized Controlled Trials). She 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. Ajay Kumar.

In the afternoon session the participants had hands-on-practice with EMBASE Database and conducted searches with Dr. Amit Agarwal. They were familiarized with the use of Emtree (controlled vocabulary tool) for performing searches in EMBASE database.



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

17th April 2013

Day 3

Dr. V.M. Katoch, Director General, ICMR inaugurated NEIGRIMS as a satellite centre of ICMR advance centre for evidence based child health, Chandigarh.

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. Demo on the Cochrane library was given by Dr. Amit Agarwal.

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



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).

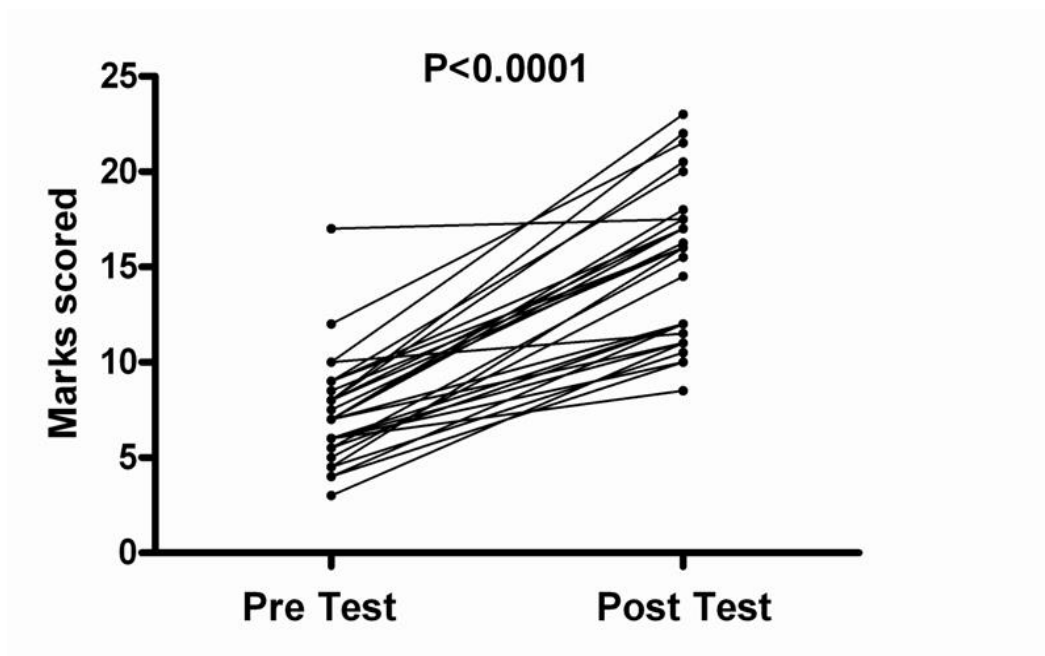


Figure 1. Analysis of pre-test and post test groups.

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

