



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

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

23rd-25th October, 2015

**Venue: APC Auditorium, PGIMER,
Chandigarh**

ICMR Advanced Centre for Evidence Based Child Health conducted a course on “How to Practice Evidence Based Child Health” on 23rd-25th October, 2015 at APC Auditorium, PGIMER, Chandigarh. The participants from various departments of APC Auditorium, PGIMER, Chandigarh, attended the course. The course was organized for junior and senior residents of Advanced pediatric centre of PGIMER to boost their knowledge regarding practising evidence based child health in different fields.

LIST OF MEMBERS WHO ATTENDED THE COURSE

TUTORS

1. Dr. Meenu Singh
2. Dr Samir Malhotra
3. Dr. Saurabh Dutta
4. Dr. J. L. Mathew
5. Mrs. Neelima Chadda
6. Ms. Harpreet Kaur
7. Dr. Nishant Jaiswal
8. Dr. Kiran Kumar
9. Dr. Amit Agarwal
10. Dr. Anil Chauhan

LIST OF PARTICIPANTS WHO ATTENDED THE WORKSHOP

Sr. No.	Name	Address
1	Dr. Anuradha	ENT Deptt.
2	Dr. Ritu Shree	Deptt. of Neurology
3	Dr. Nikhil	
4	Dr. Adarsh	School of Public Health
5	Dr. Ramcharan	Deptt. of Ped.
6	Dr. Pankaj C. Vaidya	Deptt. of Ped.
7	Dr. Sudarshan	JR Ped. PGIMER
8	Dr. Vinay	SR Ped.
9	Dr. Sukhmanjeet singh	ICMR
10	Manoj Kumar	Ph.D Ped.
11	Dr. Nishant Jaiswal	S.R.O. EBM
12	Dr. Rakesh Kumar	SR Ped
13	Dr. Manu Goyal	APC
14	Madhu Chopra	Deptt. Of Hepatology
15	Aarti	APC
16	Dr. Harita	APC
17	Dr. Manoj	APC
18	Dr. Sarvanam	APC
19	Dr. Shyamajit	APC

20	Dr. Raja Ashok	APC/Pulmonology
21	Anshul Sood	Deptt. of Gastroenterology
22	Dr. Siyaram	SR/ Ped.
23	Dr. Praven Kumar	Deptt. of Pharmacology
24	Dr. Gautam Kumar	Deptt. of Pharmacology
25	Dr. Manoj Dhanokar	APC/PGI
26	Dr. Vijai	APC/PGI
27	Ravi Kumar Sharma	Deptt. of Gastroenterology
28	Dr. Gopal Agarwal	Neonatal Unit/Ped.
29	Dr. Sooraj Patil	
30	Dr. Sapna Sandal	
31	Dr. Manvi Singh	SR Ped.
32	Dr. Sumeet Dhawan	SR Ped.
33	Dr. Anil Kalesh	JR Ped.
34	Dr. Sri Kanth K.P.	SR Gastroenterology
35	Dr. Abhishek S.	SR Ped
36	Dr. Vanita Jain	Prof. OBGYN/PGI

PROCEEDINGS

23rd October, 2015

Day 1

The centre initiated the course on “HOW TO PRACTISE EVIDENCE BASED CHILD HEALTH” on the 23rd-25th October 2015 at APC Auditorium, PGIMER, Chandigarh.

The day was started with introductory session which was taken by Dr. Meenu Singh. The participants from various specialities of department attend this course.

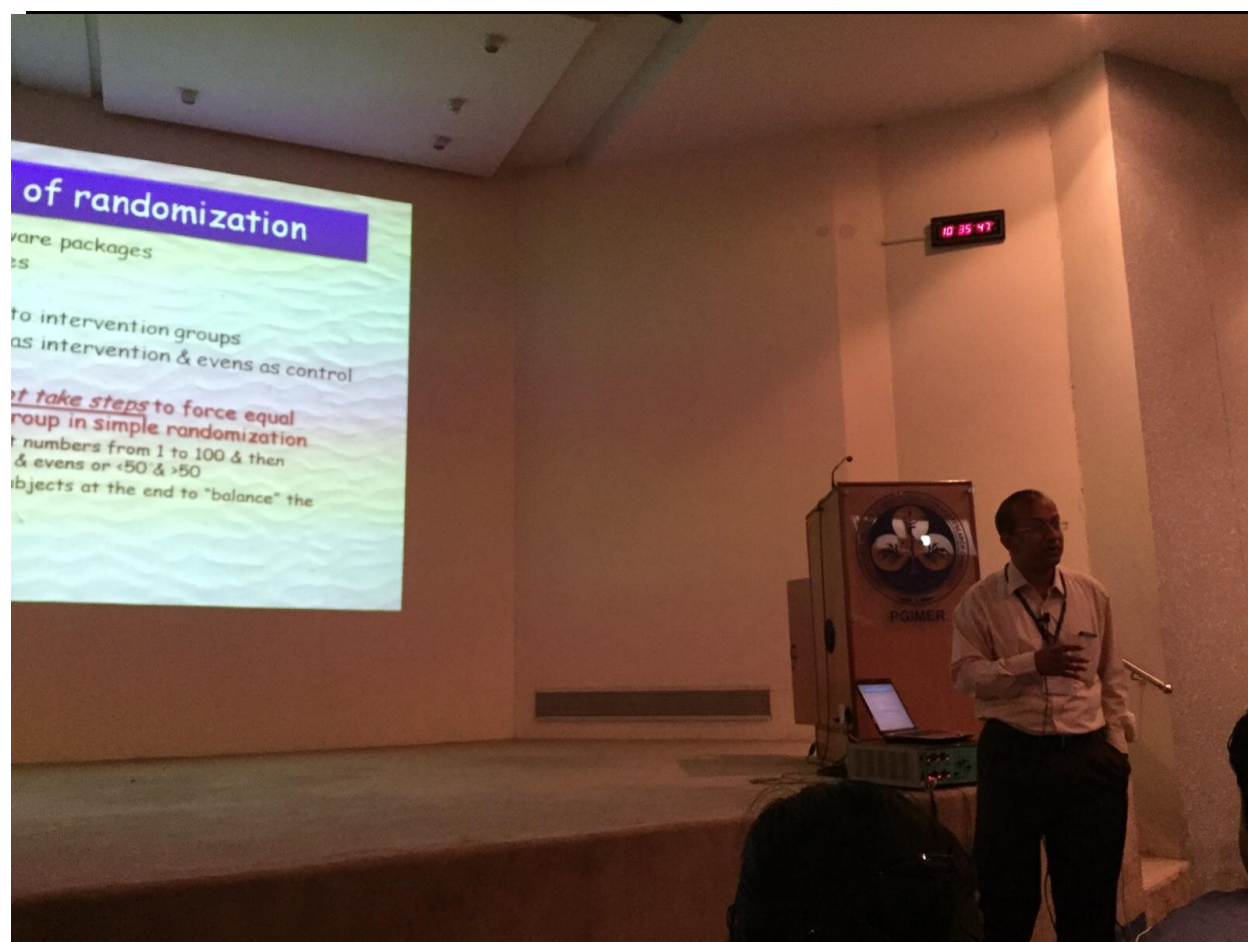
Dr. Meenu Singh started the session with basic knowledge of evidence based child health. After that she familiarised the participants with the term PICO and also told how this term can help in Diagnosis, Clinical Features and Investigation. Dr.Meenu Singh enlightened the participant ‘how to increase our knowledge’.

The next session was taken by Dr Sourabh Dutta about randomized controlled trials, where he bestowed his knowledge related to randomization in a clinical trial, selection of studies or RCT’s in systematic reviews, different types of biased in an RCT. He emphasized on the design of a good randomized controlled trials.

The next session was given by Ms. Neelima Chadha. She berified the participants about pubmed searches. She talked about pubmed, medline, NLM and their different aspects related to good search strategy. She brief the particuipants with MESH terminology which is important part of pubmed in doing a specific search. The she took the clinical questions of residents and planned their search strategy practically.

Next session was critically appraising the RCT, which was conducted by Dr Sourabh Dutta, Dr. Kiran Kumar, Dr. Nishant P Jaiswal, Dr. Amit Agarwal and Dr. Anil Chauhan. The RCT critically appraised was “Early Inhaled Budesonide for the Prevention of Bronchopulmonary Dysplasia”. The participants were asked to determine relative risk, absolute risk reduction, relative risk reduction and number needed to treat. Apart from this questions were asked about study design and different critical appraisal aspects from the participants.

Next session was conducted by Dr Samir Malhotra regarding types of study design, sample size, confidence intervals, standard deviation, P value. He explained all these parameters with his daily activity of his visit to his department from his home by calculating time and distance taken daily during a month. This was the the fruitful session for all the participants in understanding some basic parameters of statistics.





24th October

Day 2

The day started with Dr Joseph Mathew in which he discussed diagnostic test. He explained the utility of diagnostic test in clinical practise and evaluation of diagnostic test on the basis of its sensitivity and specificity. He talked about likelihood ratio, positive predictive value and negative predictive value. He interacted with residents in choosing the best diagnostic test in diagnosing a specific diseases.

The next lecture was taken up by Ms. Harpreet Kaur in which she taught about EMBASE, OVID search, Cochrane Library. She give the details of these databases and helped the residents in searching their specific research questions.

In afternoon session, critical appraisal of the diagnostic review was conducted by Dr Meenu Singh, Dr Kiran, Dr Nishant and Dr Anil. The diagnostic review which was critically appraised was “Evaluation of the Xpert MTB/RIF test for the diagnosis of childhood pulmonary tuberculosis in Uganda: a cross-sectional diagnostic study”. The checklist for the diagnostic review was given to the participants and their answers were evaluated.



25th October

Day 3

Day 3 was started with the session of Dr Meenu Singh on “How to conduct a systematic review” She talked about different types of systematic reviews such as interventional, diagnostic and other types of reviews. She described about PICO, risk of biases, Revman.

The next session was critical appraisal of systematic review which was taken by Dr. Nusrat Shafiq. She discussed about the forest plots and their interpretation, funnel plots, risk of biases, GRADE.





Group PhotoGraph

