



64th National Conference of Indian Academy of Pediatrics

PEDICON 2027 COIMBATORE

Theme: Transforming Young Lives: Digital to Bedside Pediatric Care



January 27th - 31st 2027 | Codissia Trade Fair Complex, Coimbatore, Tamil Nadu

WORKSHOP ON BASICS OF RESEARCH METHODS AND BIostatISTICS

HIGHLIGHTS:

- Introduction to research methodology
- Understanding variables and research questions
- Hands-on group work (variables, PICO, statistics, RCTs)
- Literature search using PubMed
- Study designs and statistical concepts
- Randomized Controlled Trials (RCTs)
- Sample size calculation
- Interactive discussions and doubt clearing

WHO SHOULD ATTEND?

- Undergraduate and postgraduate students
- Medical and allied health professionals
- Researchers and academicians
- Anyone interested in research methodology

VENUE: Coimbatore Medical College Hospital
Date- 27th Jan 2027 | **Time-** 8:45 am to 5:30 pm

CO-ORDINATORS:

National Co-ordinator: Dr. Sourabh Dutta

State Co-ordinator: Dr. K. Nedunchelian | **Local Co-ordinators:** Dr. V. Umamaheswari | Dr. Mohanraj

FACULTIES: Dr. Sourabh Dutta | Dr. K. Nedunchelian | Dr. Nishad Plakkal | Dr. Sindhu



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SCHEDULE:

Time	Topic	Faculty
8:45 - 9:00 am	Registration	
9:00 - 9:15 am	Introduction	Dr. K. Nedunchelian
9:15 - 9:45 am	Understanding variables	Dr. Sourabh Dutta
9:45 - 10:15 am	<u>Group work on variables</u> Delegates will be divided into 3 groups and will discuss issues related to variables from published papers	All faculty
10:15 - 10:30 am	Tea break	
10:30 - 10:50 am	Framing research questions	Dr. Nishad Plakkal
10:50 - 11:20 am	Searching PubMed	Dr. Sindhu
11:20 - 12:05 pm	<u>Group work on PICO questions</u> Delegates will be divided into 3 groups and will make their own PICO questions based upon scenarios given to them	All faculty
12:05 - 12:35 pm	Study designs	Dr. K. Nedunchelian
12:35 - 1:15 pm	Association, P values and confidence intervals	Dr. Nishad Plakkal
1:15 - 1:45 pm	<u>Group work on P values, CI, RR, OR</u> Delegates will be divided into 3 groups and will discuss p values, CI, RR, OR from published papers	All faculty
1:45 - 2:20 pm	Lunch break	

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TO REGISTER!





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SCHEDULE:

2:20 - 3:10 pm	Randomized controlled trials	Dr. Sourabh Dutta
3:10 - 3:55 pm	<u>Group work on RCTs</u> Delegates will be divided into 3 groups and will discuss an RCT paper	All faculty
3:55 - 4:10 pm	Tea break	
4:10 - 4:50 pm	Sample Size Calculation	Dr. Sindhu
4:50 - 5:15 pm	Doubt clearing and open house	All faculty
5:15 - 5:30 pm	Valediction	

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