



Workshop on
**'Basics of Research Methodology
and Publications'**
ISA Module



Workshop-Schedule

Date: To Be added

Venue: To Be added

Time: To Be added

Timings (min)	Lectures	Faculty
8:30-9.00	Registration and distribution of Pretest MCQ, feedback and reading material for group activity	All
9.00-9.15	Inauguration	
9.15-9.30	Introduction to workshop	
9.30-10.00	Overview of Research including Basic stages of Research Process, Types of study, Research design	
10.00-10.30	Review of literature and literature search, Identification of research problem	
10.30-11.00	Aim and objective of study, Formulation of Research Question, Creating a hypothesis -PICOT	
11.00-11.15	Tea break	
11.15-11.40	Study methods, Patient selection, Bias and Confounder, Sampling techniques (Randomization, Blinding/Masking, concealment)	
11.40-12.10	Sample Size Calculation	
12.10-12.30	Tools and techniques of Data collection	
12.20-1.00	Basic Statistical Concepts and Data analysis	
1.00-1.45	Lunch	
1.45-2.15	Interpretation of Result	
2.15-2.45	Critical Appraisal	
2.45-3.00	Research proposal Submission and necessary clearance (Ethics, animal, clinical trials for drugs)	
3.00-4.00	Scientific Writing for publication Title, Abstract, Keywords IMRaD Style, Reference manager Journal submission -Formatting, Where, How, reply to comments, resubmission, checklist	
4.00-4.30	Post Test- MCQ based Feed back	All



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An activity of
Indian Society of Anaesthesiologists
Schedule

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Introduction:

Scientific research is a systematic process of planning, collecting and analyzing the information for a particular objective and for reaching at meaningful conclusion. For any medical professional, understanding basic principles and keeping abreast with the advancements is paramount. Also, publication of the scientific work helps in dissemination of knowledge to others. This workshop will help you to enhance your knowledge and skill pertaining to research methodology and scientific publication. It comprises of didactic lectures, problem solving sessions, hands-on training, participants' presentation and group work. The workshop faculty are experienced in not only conducting quality research but also in teaching research methodology.

Objectives:

The workshop objectives are:

- Overview of Basics of Research Methodology
- Planning of research
- Conduct of research, data collection and its interpretation
- Reporting and publishing the research work.

What will you learn from research methodology and publication workshop?

- Understanding basics of research
- Review of literature and reference management techniques for effective literature storage

- Identifying the aims and objectives of the research, formulating an research question and hypothesis.
- Study designs
- Population selection, randomization, sampling techniques
- Sample size estimation
- Data collection, statistical analysis and interpretation
- Publication of scientific work

Who Should attend this workshop?

- All Medical and allied health professionals
- Postgraduates and fellows from Anesthesiology, critical care, pain physicians and other specialists
- Non - medical professionals involved in research/teaching

Pre-workshop activities:

- Participants will be asked to chose an area of interest of research, think of an objective, research question and formulate an hypothesis. This would help to understand the workshop better. The faculty at the workshop will conduct small group sessions where such pre-workshop assignment would help the participants to get acquainted themselves in planning research in their area of interest.