



MAHATMA GANDHI INSTITUTE OF MEDICAL SCIENCES, SEVAGRAM

Workshop on Research Methodology for MSc Nursing Students REPORT

Date: - 29 – 31 March 2022

Organizing Secretary: Dr Anuj Mundra

Number of delegates: 20

Key topics: Research Methodology, Study Designs, Data presentation, Qualitative Research Methods, Inferential statistics, Ethics in Medical Research

Key resource persons: Dr Subodh S Gupta, Dr Anshu, Dr Chetna Maliye, Dr DG Dambare, Mr MS Bharambe, Dr Abhishek Raut, Dr Anuj Mundra, Dr Arjunker Jakasania, Dr Amey Dhattrak, Dr Rutuja Kolhe, Dr Radhika Sharma, Mr Vinay Gawali

Funding agencies: Self-funded

Amount of funds received from registration fees: Rs 10000/-

REPORT OF THE WORKSHOP

A workshop for orienting the MSc nursing students of Kasturba Nursing college to research methodology was conducted by Department of Community Medicine on 29-31st March 2021. Among the participants there were 19 students and one faculty from Kasturba Nursing College. The workshop started with faculty from the nursing college welcoming the participants and resource persons. Dr. Subodh then explained about the importance of research and the role it plays in curative and preventive services. He also explained regarding the various types of research. The participants were then introduced to formulating a research question by Dr Abhishek Raut and each of them was asked to write a research question related to their topic of interest/ thesis. A few of them were then discussed in front of the whole group for further refining and clarification. It was followed by introduction to various research study designs viz cross-sectional study, case control study, cohort studies and experimental studies. The participants were also taught about calculation of sample size for various study designs with hands on practice and the types of data and summarization/ presentation of data for thesis/ publication purpose. They were also taught about descriptive and inferential statistics, various test of significance, how to choose amongst them and when to apply them.

Dr Ashwini Kalantri demonstrated them how to search for relevant studies for writing the literature review. The primary focus was on PubMed search in which concepts of MeSH,

advanced search was also discussed with the participants. Later he also discussed with them the online tools for data collection such as Kobo toolbox.

They were also introduced to the concept qualitative research designs, the advantages and disadvantages as compared to quantitative studies. Various qualitative methods such as in-depth interview, focused group discussion, observational methods were discussed during the session by Dr Chetna Maliye. Dr Dambhare discussed with them how to make a good questionnaire for data collection while conducting the research. He introduced to them the various kinds of questions that may be asked for different types of information. They were also introduced regarding various ethical issues that arise while conducting any research and how to address those issues by Mr. Vinay Gawali, Faculty KNC and member IEC, MGIMS.

Lastly the participants were taught about reviewing a journal article critically. For this session an article was given to the participants on day 1 of the workshop and they were informed to read the article at least once before the session. During the session Dr. Anshu discussed with them various aspects that should be looked for critical appraisal of an article. Ten basic questions to be looked for were discussed. The participants were divided in 5 groups and each group had to comment on 2 questions from the article which was earlier distributed to them.

Each day of the workshop started with a recap of the previous day by one of the participants. The workshop also had various other hands on and group activities during the entire three days so as to give them a hands-on practice for most of the concepts.

As per the university guidelines a registration fee of Rs. 500/- was collected from each participant which was used to arrange for the food and refreshments during the workshop.