



MGM INSTITUTE OF HEALTH SCIENCES

(Deemed University u/s 3 of UGC Act, 1956)

Grade 'A++' Accredited by NAAC

MGM NEW BOMBAY COLLEGE OF NURSING

WORKSHOP

ON

“Rhythm Recognition: Save a Beat”- Part 2



27th July 2023

Organized by

First Year M.Sc Nursing students (2022-23)

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Report of the Workshop

“Rhythm Recognition: Save a Beat- Part 2”

Date: 27/07/2023

Aim:

The workshop focuses to equip the participants with early identification of arrhythmias and management.

Objectives:

1. To review the Anatomy and Physiology of heart
2. To describe the fundamentals of ECG
3. To develop skills in interpreting normal and abnormal Rhythms

Participants:

There were total 59 participants registered for the workshop and actively participated in the Workshop on “Rhythm Recognition: Save a Beat- Part 2” organized by I Year M.Sc Nursing students of MGM New Bombay College of Nursing. The participants were Undergraduate nursing students which included B.Sc Nursing III Year, IV Year and P.B.B.Sc Nursing I & II Year students. The students were given google form to register for the workshop.

The participants had some knowledge about the basics of ECG but they were not skillful in interpretation of different Rhythms.

Brief Report on the sessions:

Introduction:

Electrocardiogram (ECG) is a diagnostic tool that is routinely used non-invasively to assess the electrical functions of the heart. ECG has also made a focal point of modern medicine because it provides information about diagnosing cardiac arrhythmias. Nurses are usually the first responders to in-hospital to emergencies. Therefore, they must be masters to recognize basic ECG rhythms since they are responsible for monitoring and clinical decision-making.

Commencement of the Workshop

The workshop was hosted Ms. Maria Alex, M.Sc Nursing 1st Year student. The workshop started with a prayer song by B.Sc Nursing III Year students. The welcome address was delivered by Ms. Shruti Dabhade, 1st year M.sc Nursing student. The opening of the theme was delivered by Mrs. Ferganzia Jubilson, Assistant Professor, MGM New Bombay College of nursing. Pre-test was administered to the participants before the commencement of the sessions.

Session 1: Review: Anatomy and Physiology of heart

The Anatomy of the heart was discussed by Mrs. Ferganzia Jubilson, Assistant Professor, MGM New Bombay College of Nursing. She explained the structure of the heart and about its various chambers. She also focused on various veins and arteries which supply oxygenated and deoxygenated blood.

The Physiology of the heart was discussed by Mrs. Sarika Nair, Tutor, MGM New Bombay College of Nursing. She explained about the functions of the heart, in detail.

The review of Anatomy and Physiology of heart brushed up the previous knowledge of the students and paved a better platform to understand the abnormalities further.

Session 2: Fundamentals of ECG

The session was presented by Ms. Sivakamasundari P, Assistant Professor MGM New Bombay College of Nursing. She explained about the basics of ECG, essential to understand the ECG abnormalities. She elaborated on normal waves, their interval, calculation of heart rate etc.

Session 3:

i) Interpretation of abnormal rhythms

The session was presented by Ms. Suvartha Digajerla, Nurse Practitioner MGM Hospital, Kamothe. She provided the participants with adequate knowledge to develop skills for easy identification and timely interpretation of abnormal rhythms. She elaborated about each abnormal rhythm and its interpretation.

ii) Activity on interpretation of abnormal rhythms

The session was conducted by Mr. Jignesh Vyas, Nurse Practitioner, MGM Hospital Kamothe and Mr. Rishabh Jain, Nurse Practitioner, MGM Hospital Kamothe. He explained the students about various abnormal rhythms and dealt with their identification and management and displayed different abnormal rhythms and the students were given exercise to identify

them. Students were enthusiastic to identify them correctly. The Resource Person made the session very interesting and useful. Students actively involved in the ECG interpretation activity and were able to identify the different patterns of abnormal ECG Rhythms with practice.

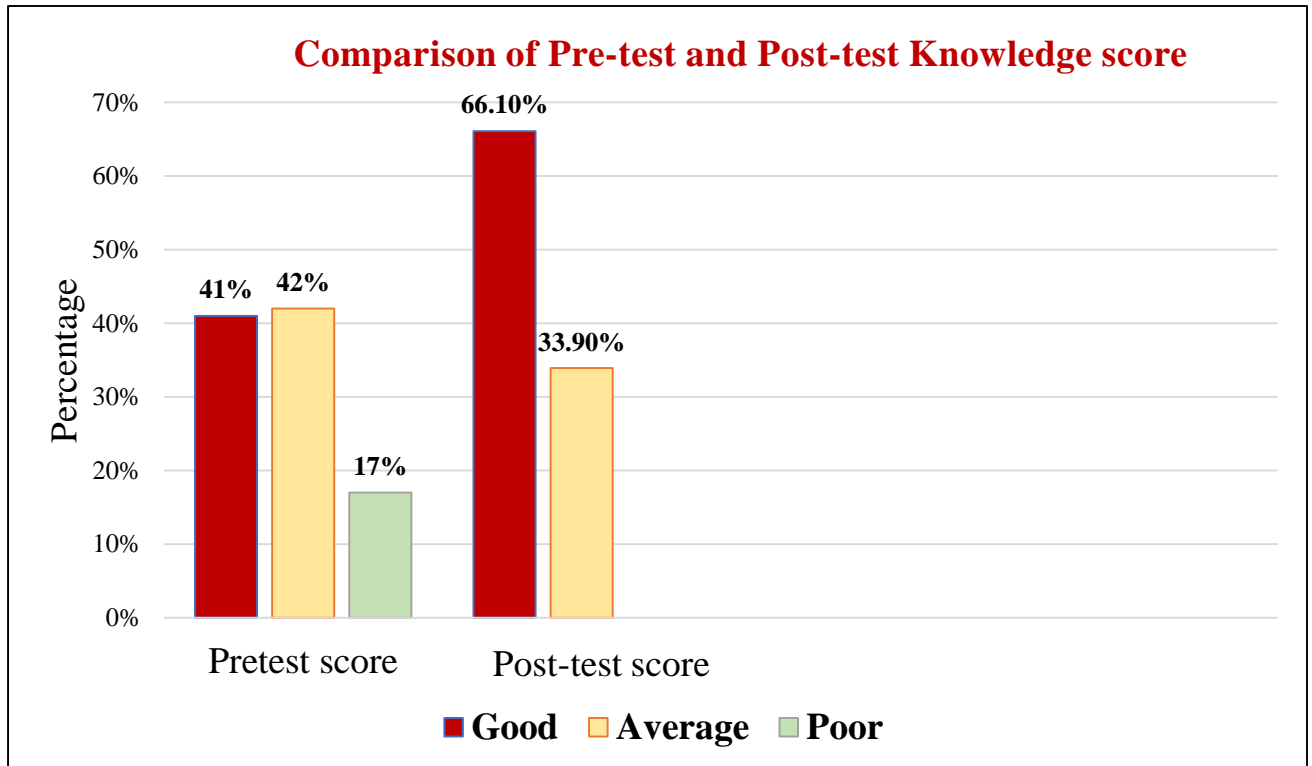
Conclusion

The sessions were arranged in a sequence to help the participants to understand the Anatomy and Physiology of heart, followed by fundamental of ECG and Interpretation of abnormal rhythms along with exercise about same. The feedback and the post-test form were provided to the students. Post-test analysis showed that after the workshop, the knowledge score has improved from 24% to 57%. Hence the Rhythm Recognition Save a Beat- Part 2 workshop was useful to all the participants .The feedback analysis showed that maximum percentage of students were satisfied with the workshop. The workshop was concluded at 04:30pm with a vote of thanks by Ms. Samiksha Gavas, 1st year MSc Nursing Student.

Programme Schedule:

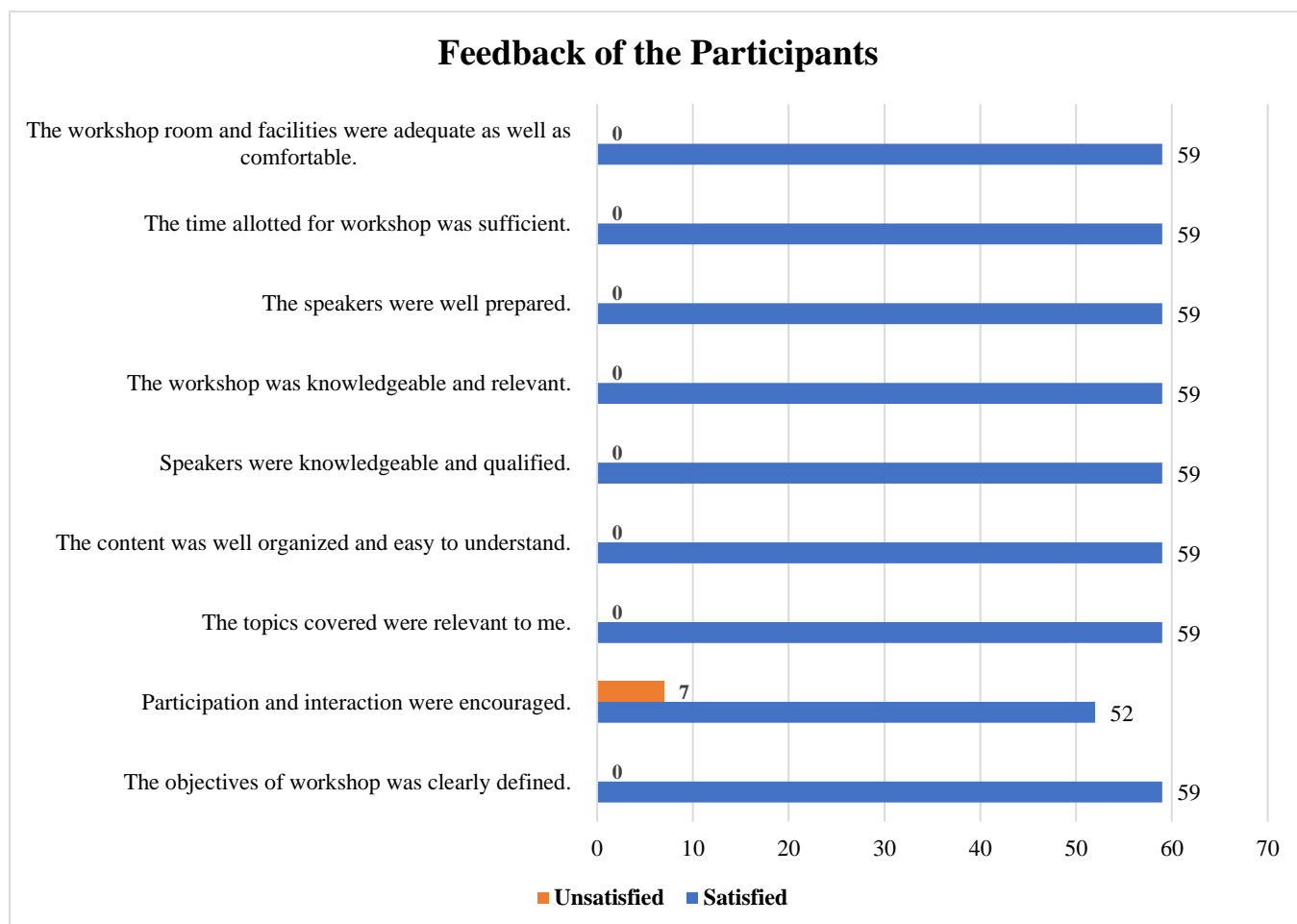
Moderator: Ms. Maria Alex		
Time	Session Title	Resource persons
1:00-1:05pm	Welcome Address	<i>Ms. Shruti Dabhade 1st Year MSc. Nursing, MGMNBCON</i>
1:05-1:15pm	Opening of the theme	<i>Mrs. Ferganzia Jubilson, Assistant Professor, Department of Medical Surgical Nursing, MGMNBCON</i>
1:15-1:45pm	Session -1 Review: Anatomy of heart	<i>Mrs. Ferganzia Jubilson, Assistant Professor Department of Medical Surgical Nursing, MGMNBCON</i>
1:45-2:15pm	Review: Physiology of heart	<i>Ms. Sarika Nair Tutor Department of Medical Surgical Nursing MGMNBCON</i>
2:15-2:45pm	Session-2 Fundamentals of ECG	<i>Ms. Sivakamasundari P Assistant Professor Medical Surgical Nursing MGMNBCON</i>
2:45-3:15pm	Session 3 i) Interpretation of Abnormal Rhythms ii) Activity on Interpretation of Abnormal Rhythms	<i>Ms. Suvartha Digajerla Nurse Practitioner MGM Hospital Kamothe</i> <i>Mr. Jignesh Vyas Nurse Practitioner MGM Hospital Kamothe</i> <i>Mr. Rishabh Kumar Jain Nurse Practitioner MGM Hospital Kamothe</i>
4:15-4:30pm	Valedictory	<i>Ms. Samiksha Gavvas 1st year MSc Nursing MGMNBCON</i>

Comparison of Pre-test and Post-test Knowledge score:



The above graph depicts the knowledge of the students on ECG before and after the workshop “Rhythm Recognition: Save a Beat”- Part 2. In Pretest 41% had good knowledge, 42% had average knowledge and 17% had poor knowledge. In Posttest 66.10% were having good score and 33.09% were having average score which reflected that the workshop on “Rhythm Recognition: Save a Beat”-Part 2 was effective in developing skills to identify the normal and abnormal rhythms among the students.

Feedback of the participants:



The above graph depicts the feedback of the participants about the Workshop on “Rhythm Recognition Save a Beat – Part 2. All 59 participants were highly satisfied with the workshop. 100% of the participants found it very useful. The participants were willing to join workshops in future. There were no suggestions from the participants for improvement of the workshop. The ECG Interpretation activity was highly liked by the participants.

Photographs of the Sessions





GPS Map Camera



Navi Mumbai, Maharashtra, India
2483+MFH, MGM Campus, Kamothe, Panvel, Navi Mumbai,
Maharashtra 410206, India
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Long 73.103423°
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