



International E - Workshop  
On  
*Basics of Anaesthesia for Nurse Practitioners*



Organized By  
**MGM New Bombay College of Nursing**  
**MGM Institute of Health Sciences**

(Deemed to be University u/s 3 of UGC Act,1956)  
Grade 'A' Accredited by NAAC

On  
*21<sup>st</sup> & 22<sup>nd</sup> April 2022*

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**Report of International E-Workshop**  
**Basics of anesthesia for Nurse Practitioners**  
**Dated-21-04-2022&22-04-2022**

**Aim:**

This webinar focuses to enlighten the participants on basics of anesthesia and role of Nurse Practitioners during different phases of anesthetic drug administration.

**Objectives:**

*The E-workshop will enable Nurse Practitioners and Critical Care Nurses to:*

- Describe pre anaesthesia assessment and preparation.
- Explain types and modes of delivery of general anaesthesia.
- Describe peri anaesthetic monitoring.
- Develop skill in airway management.
- Identify post anaesthesia complications and its relevant management.
- Enumerate the role of Nurse Anaesthetist /Clinical Nurse Specialist.

**Introduction:**

Nurses and Midwives together constitute the largest proportion of health care workforce. In building their capacity, it is essential they require advanced educational preparation in speciality and super speciality services.

Nurse Practitioner in Critical care are prepared to assess and participate in treating patients with critical illness by collaborating with critical care team across the continuum of critical care. The care of patients who have surgery starts with preparation for surgery, anaesthesia, operation, recovery and discharge. In meeting with complex needs of patients who are undergoing surgery and anaesthesia, critical care nurses require a well-developed knowledge base, along with specialist skills in both technological and caring dimensions related to anaesthesia.

## **Participants**

Total 290 participants registered from different parts of the country for the International E- workshop. The participants were B.Sc., M.Sc. nursing and NPCC Students, Nurse Practitioners, teaching faculties and nursing staffs from various institutes and hospitals. On day one - 270 participants attended the sessions while on day two - 239 participants attended the E- workshop.

## **Proceedings:**

### **Day One (21-04-2022)**

The Programme started by Mrs. Sarika Sukesh Nair, Organizing Co-secretary, at 10.00 am with a warm welcome to all the panelists and the participants who were present virtually on the day of the webinar. The inaugural session commenced with a virtual lamp lighting and an invocation song sung by 4<sup>th</sup> year B.Sc. nursing students followed by a welcome address by Dr. R. Ponchitra, Professor cum Vice Principal and Organizing Secretary.

Dr. Prabha K. Dasila, Professor & Director and Organizing Chairperson, opened the theme for the two days of International E - workshop, emphasizing importance of knowledge on anesthesia among Nurse Practitioners. The evolving changes in the need for nurses as well as the demand for the expanded role of nurses were the key points highlighted behind selecting the topic. The knowledge of anesthetic drugs and its minute elements in the career of Nurse practitioners were emphasized and the theme was opened for the audience.

The inaugural session concluded by 10.25 am.

**Session 1: Types and Modes of delivery of General Anesthesia, Selection and Administration**

delivered by Dr. Prakrut Jena, Senior Resident, Dept of Anesthesia, MGM Medical College and Hospital, Kamothe. The session dealt with the basics of general anesthesia (GA), wherein the points emphasized were different types and phases of GA, classification of agents used for GA, its mechanism of actions as well as the comparison of pharmacological effects of various GA drugs was also included.

**Session 2: Epidural Analgesia**

delivered by Dr. Nikita Ranjan, Lecturer, Dept of Anesthesia, MGM Medical College and Hospital, Kamothe. The session focused on basics of epidural analgesia which included anatomy and physiology of epidural space, procedure for epidural catheterization and various drugs used for epidural analgesia. The session also emphasized on general nursing management and role of nurse practitioners at different phases of administration of epidural analgesia and management of its complications.

**Session3: Pre anesthesia assessment and preparation**

presented by Ms. Sanju Chaudhary, Senior Anesthetic Nurse, Chelsea & Westminster, NHS Foundation Trust, UK. The session dealt with the description about pre assessment clinic, one stop clinic, importance of pre assessment clinic. She explained about the functions of pre assessment clinic as well as roles and responsibility of a pre assessment nurse. The importance of liaison between pre assessment nurse and multi-disciplinary team was highlighted.

**Session 4: Anesthetic emergencies: Drug induction, maintenance and post induction period**

presented by Ms. Jyothi Prabhu, Anesthetic Nurse, Royal Free Hospital & Royal London Hospital, UK. The session explained about different phases of anesthesia, role of a nurse practitioner in these different phases including various equipments as well as drugs used. She also explained about the sequential activities being carried out during anesthesia administration as well as management of complications during all the three phases.

## **Day Two (22-04-2022.)**

The programme commenced at 10.00 A.M. Dr. R. Ponchitra, Professor and Vice Principal, MGM New Bombay College of Nursing gave a brief summary of day one and welcomed the resource person and the participants for the second day session.

**Session 5: Peri anesthesia** was delivered by Dr. Alok Kumar Singh, Lecturer, Dept of Anesthesia, MGM Medical College & Hospital, Kamothe. The session mentioned about the elements included in basic monitoring during anesthesia administration which included clinical monitoring of vital parameters as well as advance monitoring was explained which included instrumental monitoring of different systems such as cardio vascular system, respiratory, musculoskeletal, central nervous, acid base imbalances. The identification of alterations in the systemic assessment and the management for the same was emphasized.

**Session6: Airway Management:** The skill based session was presented by Dr. Gayatri Jain, Senior Resident, Dept of Anesthesia and Ms. Sreedevi N, Nurse Practitioner, Emergency Medicine ICU, MGM Medical College & Hospital, Kamothe. The session was divided in to theoretical as well as demonstration of the skills, wherein theoretical aspects mentioned about the importance of airway management, various equipments used for the procedure as well as the expected risks or complications during the procedure and its management were emphasized. The skill based demonstration focused on detailing about the procedure included in airway management that is use of the equipments, maintaining a patent airway and thereby supporting the respiratory system.

**Session 7: Role of nurse anesthetist/ Clinical Nurse specialist** was delivered by Ms. Molly Vadakara, Certified Registered Nurse Anesthetist, VA Hospital, Chicago, USA. She explained about the background and overview of Nurse anesthetist, various types of anesthesia practice models. The key emphasis was being made on the benefits of being an anesthetist nurse as well as huge role of nurse practitioners in the field of anesthesia.

**E - Poster Presentations:** E - posters were received from the participants along with its 5 minutes prerecorded video presentation. In total 14 participants registered for presentation and it was evaluated by Dr. R. Ponchitra, Professor and Vice Principal, MGM New Bombay College of Nursing and Mrs. Susan Jacob, Professor, MGM New Bombay College of Nursing.

**Valedictory session** commenced with announcement of winners of E - poster competitions in both students and faculty category by Dr. Jyoti Chaudhari, Associate Professor, MGM New Bombay College of Nursing, Kamothe.

Mrs. Susan Jacob, Professor, MGM New Bombay College of Nursing, Kamothe read the report of the two days of International E-workshop and the session was concluded at 2.00 pm with a vote of thanks by Mrs. Smruti Parkar, Tutor, MGM New Bombay College of Nursing, Kamothe.

## PROGRAMME SCHEDULE

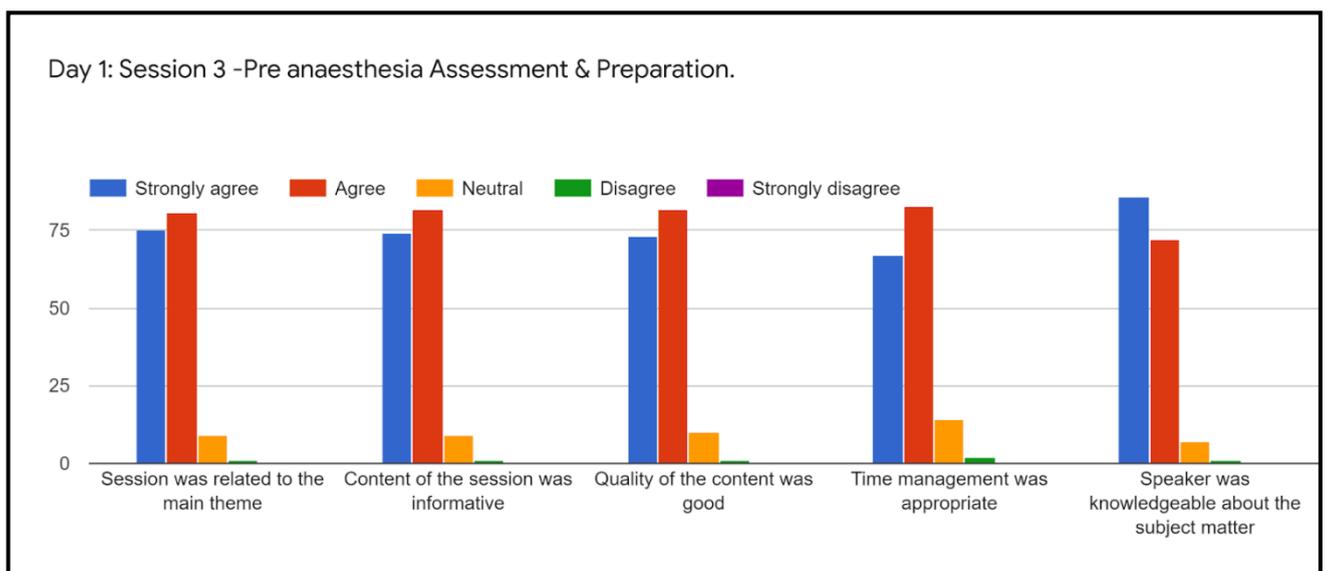
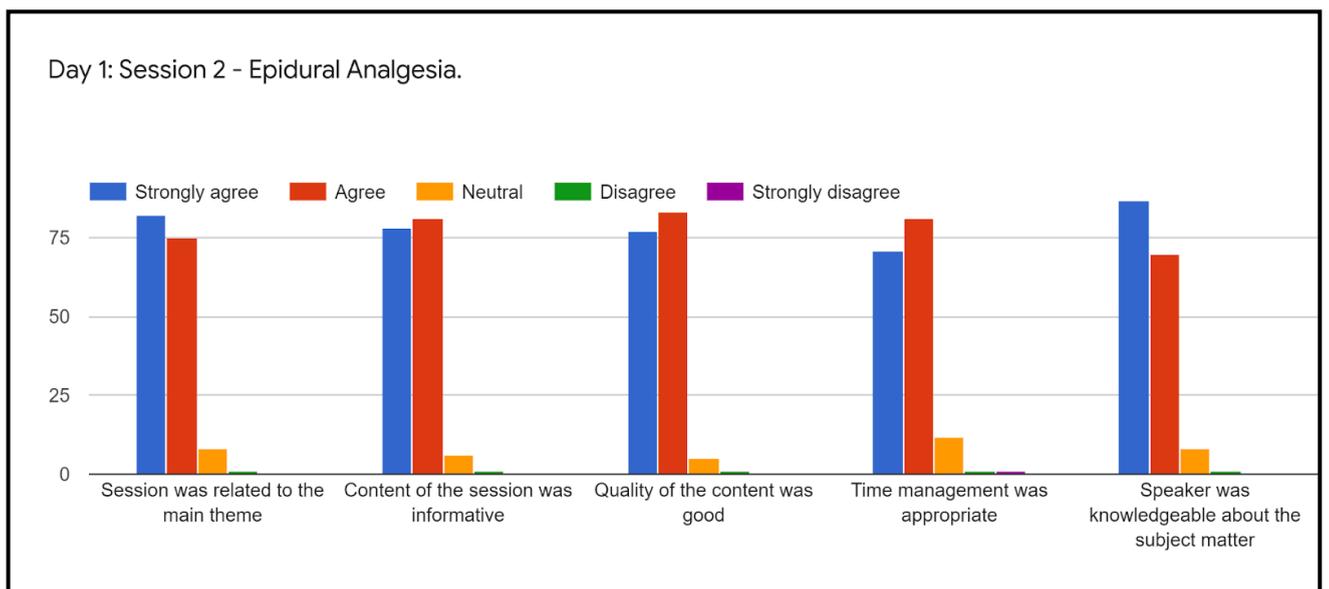
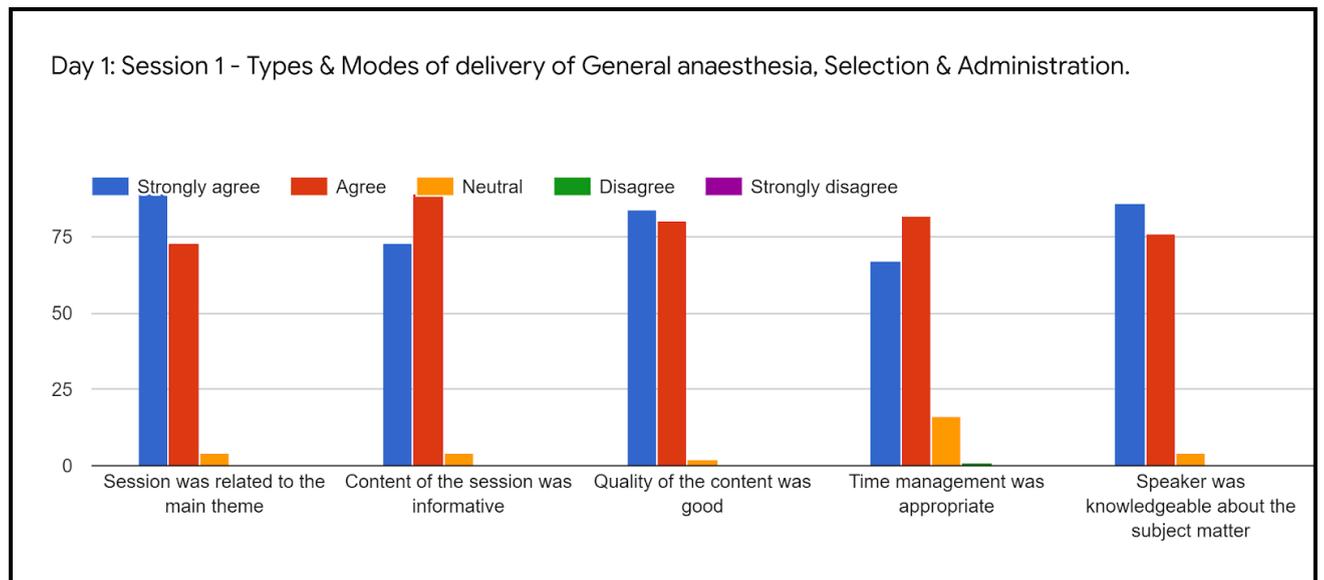
**Day 1: 21.04.2022**

Time	Programme	Resource Person
10.00 am – 10.05 am	Virtual Lamp Lighting	
10.05 am – 10.15 am	Welcome Address	<b>Dr. R. Ponchitra</b> <i>Professor and Vice Principal, MGM New Bombay College of Nursing, Kamothe, Navi Mumbai, Maharashtra.</i>
10.15 am – 10.25 am	Opening of the Theme	<b>Dr. Prabha K. Dasila</b> <i>Professor and Director, MGM New Bombay College of Nursing, Kamothe, Navi Mumbai, Maharashtra.</i>
10.30 am to 11.00 am	<b>Session 1</b> Types and Modes of delivery of General anaesthesia Selection and Administration	<b>Dr. Prakrut Jena</b> <i>Senior Resident, Dept of Anaesthesia, MGM Medical College &amp; Hospital, Kamothe, Navi Mumbai, Maharashtra.</i>
11.30 am to 11.30 am	<b>Session 2</b> Epidural analgesia	<b>Dr. Nikita Ranjan</b> <i>Lecturer, Dept of Anaesthesia, MGM Medical College &amp; Hospital, Kamothe, Navi Mumbai, Maharashtra</i>
11.30 am – 12.00 pm	<b>Session 3</b> Pre anaesthesia Assessment and Preparation	<b>Ms. Sanju Chaudhary</b> <i>Senior Anaesthetic Nurse, Chelsea &amp; Westminster NHS Foundation Trust, UK.</i>
12.00 pm – 12.30 pm	<b>Session 4</b> Anaesthetic emergencies: Drug induction, Maintenance and Post Induction period	<b>Ms. Jyothi Prabhu</b> <i>Anaesthetic Nurse, Royal Free Hospital &amp; Royal London Hospital</i>

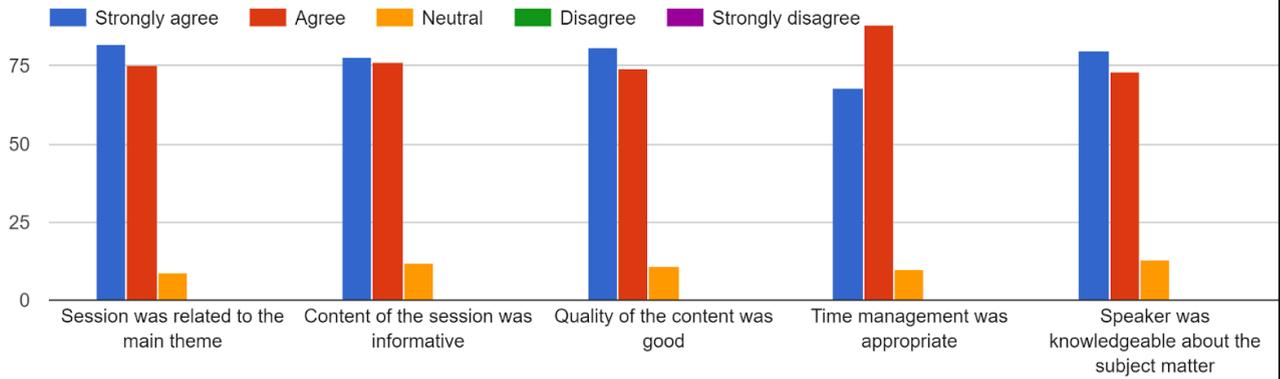
**Day 2: 22.04.2022**

<b>Time</b>	<b>Programme</b>	<b>Resource Person</b>
10.00 am to 10.30 am	<b>Session 5</b> Peri anaesthesia monitoring	<b>Dr. Alok Kumar Singh</b> <i>Lecturer, Dept of Anesthesia, MGM Medical College &amp; Hospital, Kamothe, Navi Mumbai, Maharashtra</i>
10.30 am to 11.30 am	<b>Session 6</b> Airway Management	<b>Dr. Gayatri Jain</b> <i>Lecturer, Dept of Anesthesia, MGM Medical College &amp; Hospital, Kamothe, Navi Mumbai, Maharashtra</i>  <b>Mrs. Sreedevi N</b> <i>Nurse Practitioner Emergency Medicine ICU MGM Medical College &amp; Hospital, Kamothe, Navi Mumbai, Maharashtra</i>
11.30 am – 12.00 pm	<b>Session 7</b> Role of Nurse Anaesthetist/Clinical Nurse specialist	<b>Ms. Molly Vadakara</b> <i>Certified Registered Nurse Anesthetist, Hines VA Hospital, Chicago, USA</i>
12.00 pm – 01.00 pm	<b>Poster Presentations</b>	
01.00 pm – 01.30 pm	<b>Valedictory</b>	

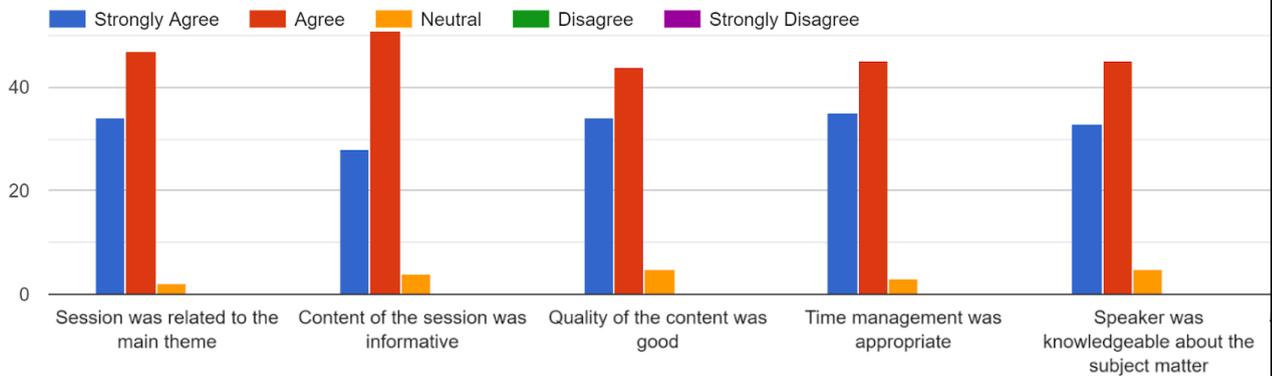
## FeedBack Analysis



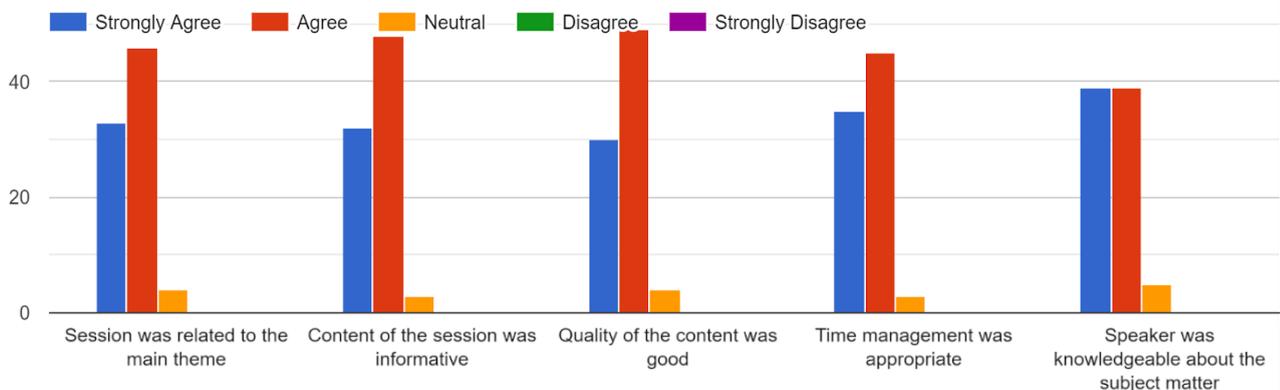
Day 1: Session 4 - Anaesthetic emergencies : Drug induction, maintenance & post Induction period.



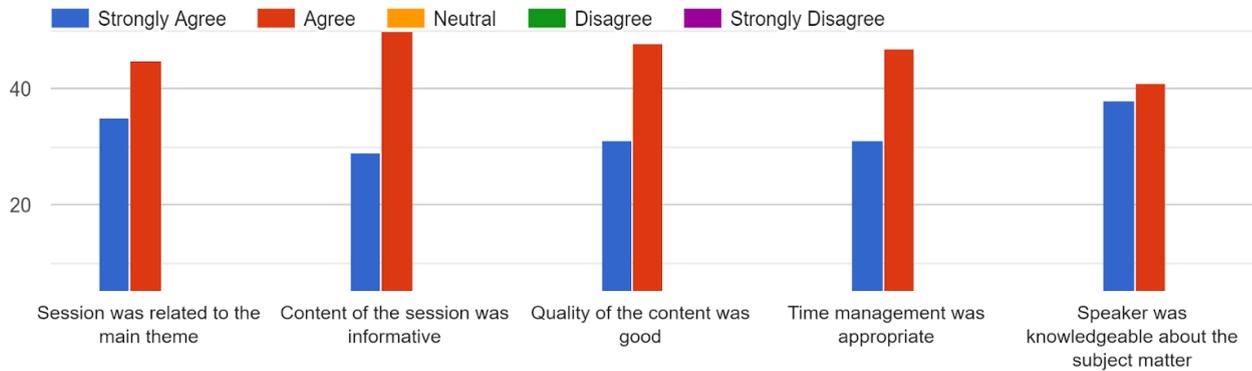
Day 2: Session 5 - Peri anaesthesia Monitoring



Day 2: Session 6- Airway Management.

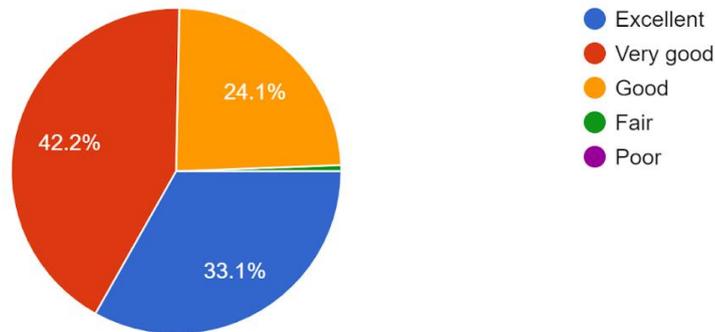


### Day 2: Session 7- Role of Nurse Anaesthetic/ Clinical Nurse Specialist



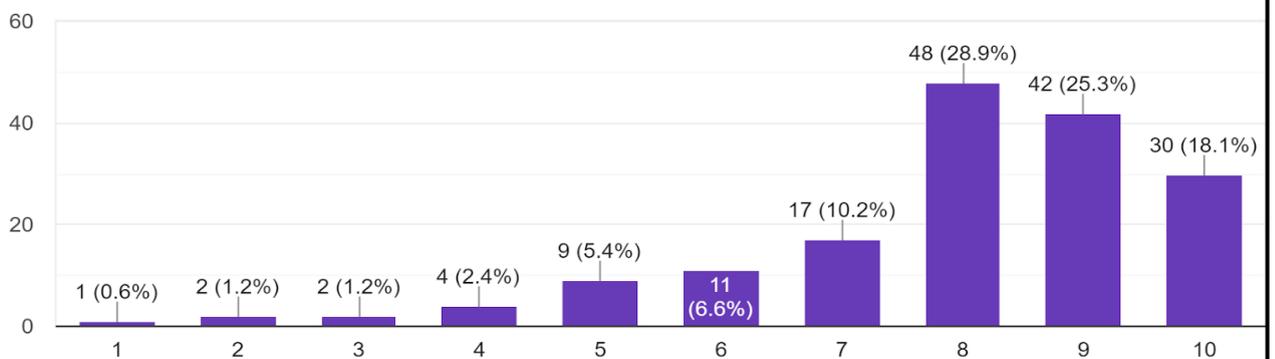
### Overall Evaluation of the International E-workshop

166 responses

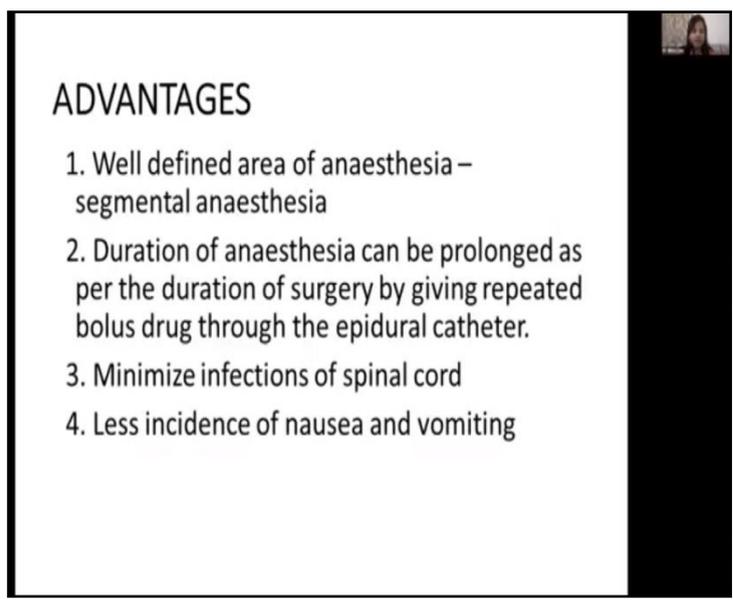


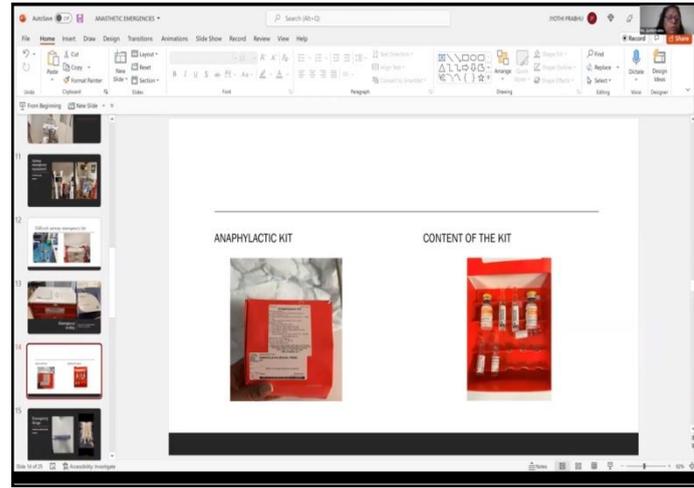
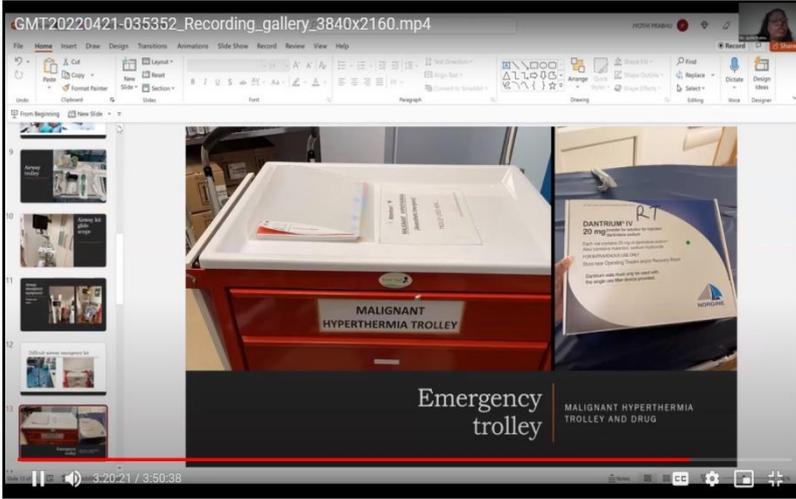
### How would you rate the International E-workshop on a scale of 1 to 10

166 responses

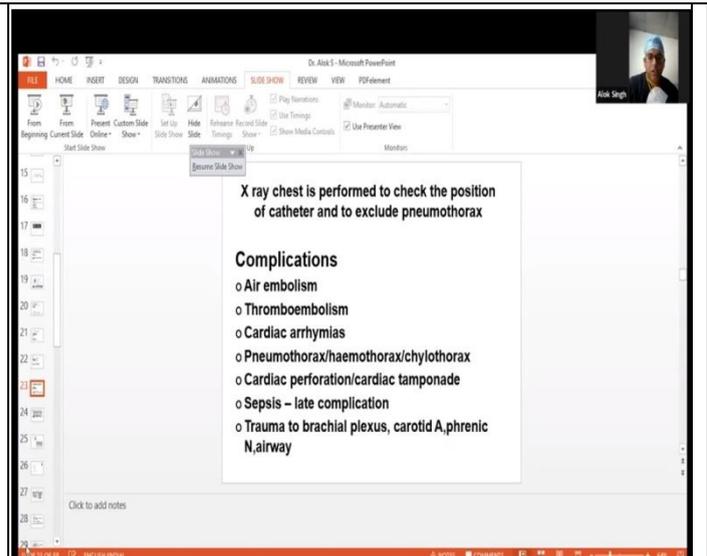


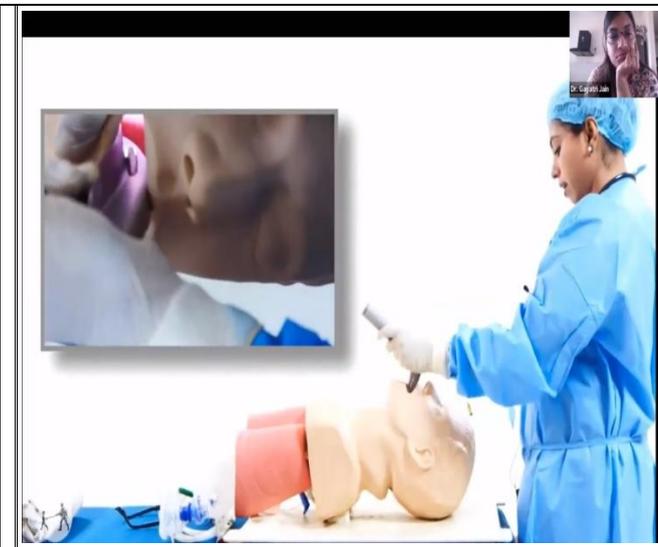
## Photographs of the Sessions: Day1(21-04-2022)





**Photographs of the Sessions: Day2(22-04-2022)**





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Ms. MOLLY VADAKARA  
 Certified Registered Nurse Anesthetist,  
 Edward Hines VA Hospital, Chicago, USA

- Certified Registered Nurse Anesthetist
- More than 20 years of experience
- Master of Science in Nursing/ Certificate in Nurse Anesthesia
- Role of assistant chief CRNA
- Integral member of the cardiac team delivering pre operative, intra operative and post operative care to all specialities.
- Highly dedicated contribution throughout COVID 19 pandemic by being a member of code team covering emergency airway management and invasive line placement
- Certified ACLS, PALS and CPR instructor

Resource Person  
 Basics of Anaesthesia  
 for  
 Nurse Practitioners  
 21<sup>st</sup> & 22<sup>nd</sup> April 2022

PO4-MALINI RACHAL.mp4 - VLC media player

Help!! I'm Freezing!!!

INDIVIDUAL PRESENTATION

POSTER PRESENTATION

NEUT LOST DURING PERIOPERATIVE ANAESTHESIA

40% of Anesthesia Providers Report an existing

IMPACT:

PO5-REBEKA JOSEPH.mp4 - VLC media player

BRAIN DEATH: DETERMINATION

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**Student Category**

Rank	Poster Code	Name of the Participant	Topic
1 <sup>st</sup>	PO10	<b>Ms. Suvatha Digajarla,</b> Nurse Practitioner Student in Critical Care Student, MGM New Bombay College Of Nursing	Venous Thromboembolism
2 <sup>nd</sup>	PO6	<b>Ms. Karleena Thomas,</b> Nurse Practitioner Student in Critical Care Student, MGM New Bombay College Of Nursing.	Under Water Sealed Drainage And Its Complications
3 <sup>rd</sup>	PO9	<b>Ms. Yagya Koirala,</b> Nurse Practitioner Student in Critical Care Student, MGM New Bombay College Of Nursing.	Warning Signs of suicide

**Faculty Category**

Rank	Poster Code	Name of the Participant	Topic
1 <sup>st</sup>	PO3	<b>Ms. Malini Rechal</b> Nurse Manager, CMC, Vellore.	Inadvertent Perioperative Hypothermia
2 <sup>nd</sup>	PO1	<b>Ms. Priyanka Vishwakarma,</b> Nurse Practitioner, MGM Medical College & Hospital, Kamothe.	Reversal of anesthesia newer approach
3 <sup>rd</sup>	PO14	<b>Ms. Sanjukta Mohanty</b> Tutor, MGM New Bombay College Of Nursing, Kamothe.	Sandwich technique for proseal laryngeal mask insertion