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1ST MECHANICAL VENTILATION WORKSHOP FOR ASV (ADAPTIVE SUPPORT VENTILATION) FACULTY OF MEDICINE, UNIVERSITI TEKNOLOGI MARA (UiTM)

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The Department of Anaesthesiology and Intensive Care Unit UiTM, in collaboration with Star Medik Sdn. Bhd. (the sole distributor of the ventilator), conducted a one day workshop on the ASV mode mechanical ventilator on 28th January 2024. Participants included specialists, medical officers, nurses, medical assistants, and other medical personnel from various university hospitals and KKM Hospital. The aim of this workshop was to provide healthcare providers in-depth knowledge and understanding of the use of ASV mode mechanical ventilators in patients needing mechanical ventilation either in the intensive care unit (ICU) or emergency department.

Adaptive Support Ventilation (ASV) is ventilation adapted to the individual patient. It continuously adapts respiratory, tidal volume, and inspiratory times depending on the patient's lung mechanics and effort, breath by breath. ASV is an advanced mode of ventilation developed by Hamilton Medical Ventilator, Switzerland. This mode has the advantages of optimizing the patient's work and force of breathing, shortening the duration of mechanical ventilation, supporting weaning, and finally, reducing the workload of ICU staff while improving patient safety and comfort.



The lecture topics covered in the program include respiratory mechanics, introduction and start-up of ASV, algorithms and weaning, followed by a hands - on session in which participants were given hands - on practical experience related to mechanical ventilation. The renowned speakers were Dr. Isqandar Adnan, a Consultant Cardiothoracic Anaesthetist and Intensive Care, who is a certified ASV ventilator trainer, together with Dr. Muhammad Helmy Abdullah, a clinical application specialist for Hamilton Medical Ventilator from Star Medik Sdn Bhd.



The feedback from the participants was positive, and we hope to conduct this workshop annually as such training would enhance the understanding of clinical applications of mechanical ventilation, specifically ASV.