

Identifying and Assessing the Factors Associated with Adverse Outcomes in Patients Requiring Mechanical Ventilation: Dire Need of the Hour

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Abstract

Introduction: Mechanical ventilation (MV) is a breakthrough in intensive care, and can be defined as an artificial way to ventilate patients who are unable to breathe spontaneously, reducing the work of breathing. The data shows that 41% of patients admitted to the Medicine intensive care unit needed mechanical ventilation for various medical conditions.

AIMS & Objectives: The present study was undertaken to analyze the outcome of patients on invasive ventilatory support and to determine various factors influencing the outcome in patients on invasive ventilatory support.

Materials & Methods: The present study is record based, retrospective study, with a sample size of 80. Study was carried out at rural tertiary health care centre of central India.

Results: Statistically significant mortality was found in advancing age groups, ≥ 2 abnormal laboratory tests, ≥ 2 organ systems affected, increased duration of ventilatory support. No significant difference was found with regards to sex.

Conclusion: It is very important to highlight and keep in mind that mechanical ventilation is a double edged sword; it may also increase mortality due to various complications, on the other hand it serves as lifesaving intervention.