

Minute Ventilation and Peak Airway Pressure Response to Diaphragm Stretch in Intubated Patients

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Abstract : This study evaluated the minute ventilation and peak airway pressure response to diaphragm stretch in intubated patients. Thirty patients participated in this study were divided randomly into two groups, study group (fifteen patients) received both diaphragm stretch and traditional chest physiotherapy and control group (fifteen patients) received traditional chest physiotherapy only. Mechanical ventilator was used to assess minute ventilation and peak airway pressure. Results showed that the two groups were similar in terms of the baseline characteristics. There were no significant differences between the control and study groups regarding the minute ventilation and peak airway pressure. Conclusion: use of diaphragm stretch had no effect on improving minute ventilation and peak air way pressure in intubated patients.

Key words: Diaphragm Stretch - minute ventilation - peak airway pressure.

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