

**CHEST PHYSIOTHERAPY AND PURSED LIPS BREATHING
PROVISION TO HEMOTHORAX PATIENTS ON VENTILATOR WITH
INEFFECTIVE AIRWAYS CLEARANCE IN THE ICU OF MARDI
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ABSTRACT

Background: Hemothorax is a condition in which blood accumulates in the pleural cavity. To assist the patient's breathing, a mechanical ventilator can be used. A mechanical ventilator is a device that provides controlled positive or negative air pressure to supply oxygen for a specific period of time. Chest physiotherapy is a form of combination therapy aimed at mobilizing secretions from the respiratory tract. Pursed-lip breathing is a method that involves slow nasal inspiration followed by controlled expiration. **Objective:** Providing chest physiotherapy and pursed lips breathing to hemothorax patients as well as evaluating nursing care. **Method:** The research subject selected for this nursing case study was a patient diagnosed with hemothorax and experiencing shortness of breath. Data were collected before and after chest physiotherapy and pursed lips, as well as the removal of retained secretions from the lungs due to ineffective airway clearance. **Results:** Based on the results of the study showed that Mrs. m complained of shortness of breath, coughing, weakness, decreased oxygen saturation values, rhonchi, changed breathing frequency, changed breathing patterns to handle nursing problems of airway clearance by using non-pharmacological therapy as an effort to handle the problem. Non-pharmacological therapy that can be done is the Pursed Lips Breathing technique and chest physiotherapy there is an increase in saturation from 98% and breathing patterns improve minute to 20x / minute. **Conclusion:** The results of the nursing evaluation on Mrs. M were that oxygen saturation increased from 98%, respiratory rate improved from to 20x/minute, which means that airway clearance was resolved, as evidenced by increased effective coughing, decreased sputum production, and no additional breath sounds.

Keywords: Hemothorax, Chest fisioterpy, Pursed Lips Breathing