ABSTRACT

Case Study of the Application of Semi-Fowler Positioning to Increase Oxygen Saturation and Decrease the Degree of Shortness of Breath (Borg Scale) in Patients with Status Asthmaticus in the Gatotkaca Pulmonary Ward, RSUD Jombang. Yusinta Agustina (2026). Nurse Profesional Educatin, Health Polytechnic Ministry of Health Malang, Supervisor Nurul Hidayah, S.Kep., Ns., M.Kep.

Status asthmaticus is a respiratory emergency with a mortality rate of 5-15%. Hypoxemia and increased work of breathing are the main causes of respiratory failure. The semi-fowler's position of 30-45° is an initial non-pharmacological therapy because it can improve respiratory ventilation mechanics. The purpose of this study was to determine the effect of the semi-Fowler's position on increasing oxygen saturation and decreasing the degree of shortness of breath (Borg scale) in patients diagnosed with status asthmaticus. The novelty of this study was the combination of the semi-Fowler's position to increase oxygen saturation and decrease the degree of shortness of breath (Borg scale). The research method used a descriptive case study. Data collection techniques used were interviews and observations for 3 days. The results showed that patients diagnosed with status asthmaticus who experienced ineffective airway clearance could decrease by being given the semi-Fowler's position and the degree of shortness of breath (Borg scale) could decrease. Providing a semi-Fowler's position for 3 days in patients can increase oxygen saturation from 93% with a non-rebreathing mask of 10 liters per minute to 97-98% with a simple mask of liters per minute and reduce the Borg scale to 0-2. Based on this study, it is hoped that the public will be more aware of shortness of breath and severe coughing at night, especially in the elderly, so that they will increase their self-awareness.

Keywords : Semi-Fowler's Position, Oxygen Saturation, Reduction im dyspneu severity, status asthmaticus