

**CHEST PHYSIOTHERAPY PROVISION ON SPUTUM EXPELLATION
ABILITY IN HOSPITAL-ACQUIRED PNEUMONIA (HAP) PATIENTS
ON VENTILATOR IN ICU DR. SAIFUL ANWAR HOSPITAL, MALANG**

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ABSTRACT

HAP is a major cause of nosocomial infections with high mortality rates, especially in critically ill patients undergoing intensive care and using mechanical ventilators. In these conditions, the risk of accumulation of secretions in the airways increases significantly and a nursing diagnosis of ineffective airway clearance arises. The purpose of this case study is to provide nursing care by administering chest physiotherapy on the ability to expel sputum in patients with Hospital-Acquired Pneumonia (HAP) on ventilators in the ICU of Dr. Saiful Anwar Hospital, Malang City. This final nursing scientific paper uses a descriptive research design type with a case study approach method. Based on the results of the case study, the main nursing problem was ineffective airway clearance with chest physiotherapy intervention. Implementation was carried out for 5 days and the evaluation results showed that chest physiotherapy could reduce sputum production in Mrs. T who was on a ventilator. It is hoped that non-pharmacologic chest physiotherapy actions can be one of the options in reducing sputum production in patients with a nursing diagnosis of ineffective airway clearance.

Keywords: HAP, Chest Physiotherapy, Ineffective Airway Clearance