

## **Abstract**

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**FACULTY OF HEALTH SCIENCE**

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*Analysis of the Application of the 30° Head-Up Position in Non-Hemorrhagic Stroke Patients with the Risk of Ineffective Cerebral Perfusion in the Bougainvillea Ward of Dr. H. Koesnadi Bondowoso Regional Hospital*

*Xix + 127 Pages + 15 Tables + 4 Figures + 10 Attachments*

### *Abstract*

*Background: Stroke is a form of cerebrovascular disease that occurs suddenly and is a medical emergency. It is caused by a blockage of blood vessels in the brain, which inhibits blood flow and oxygen to brain tissue. Objective: To analyze the application of 30° head-up position management to increase oxygen saturation in non-hemorrhagic stroke patients with the risk of ineffective cerebral perfusion in the bougainvillea room of Dr. H. Koesnadi Bondowoso Regional Hospital. Method: This study uses a case study approach that is analytical through the process of assessment, diagnosis, intervention, implementation and evaluation. Data collection techniques were carried out through interviews, observation and physical examination, documentation studies. Results: Observations showed that the nursing outcomes revealed unstable blood pressure ranging from 226/136 mmHg to 132/71 mmHg. Pulse rates remained within normal limits on the first to third days, at 60–100 beats per minute. Respiratory rates in all three patients ranged from 20–26 breaths per minute. Unlike patients 1 and 3, the second patient's body temperature was recorded at 36°C with cold extremities. Oxygen saturation was well maintained in all patients, supported by oxygen therapy via nasal cannula at 3 lpm in the second and third patients. Conclusion: Nursing care has been proven effective in improving oxygenation in non-hemorrhagic stroke patients initially, although further intervention is still needed to achieve optimal recovery.*

**Keywords:** *Head up 30°, Non Hemorrhagic Stroke, Risk of Ineffective Cerebral Perfusion*



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