

**APPLICATION OF HEAD UP 30 DEGREE POSITIONING TO IMPROVE  
OXYGEN SATURATION IN STROKE PATIENTS IN THE EMERGENCY  
ROOM OF PANDAN ARANG REGIONAL GENERAL**

**HOSPITAL BOYOLALI**

Tilawah Juhi Arnanto<sup>1</sup>, Hermawati<sup>2</sup>, Panggah Widodo<sup>3</sup>

[tilawahjuhi@gmail.com](mailto:tilawahjuhi@gmail.com)

Program Studi Profesi Ners  
Universitas 'Aisyiyah Surakarta

**ABSTRACT**

**Background:** Stroke is a brain disease that attacks the brain suddenly and causes impaired nerve function, caused by blockage of blood vessels and lack of oxygen in the blood to the brain. Poor blood flow in stroke patients results in hemodynamic disorders including decreased oxygen saturation. One of the independent nursing actions to increase oxygen saturation is to give a 30-degree head up position. **Objective:** To determine the results of the application of head up position 30 degrees in increasing oxygen saturation in stroke patients in the Emergency Room of Pandan Arang Boyolali Hospital. **Methods:** This research uses descriptive method (case study). **Results:** Oxygen saturation before the application of head up position 30 degrees in both respondents was included in the mild hypoxia category. Oxygen saturation after the application of head up position 30 degrees in both respondents was included in the normal category. **Conclusion:** There are differences in oxygen saturation results before and after the application of the 30-degree head up position in stroke patients.

**Keywords :** Stroke, Oxygen saturation, Head up 30 degrees