

**THE RELATIONSHIP BETWEEN ASA PHYSICAL STATUS (AMERICAN  
SOCIETY OF ANESTHESIOLOGISTS) AND THE PROLIFERATIVE  
PHASE OF WOUND HEALING IN POST-LAPARATOMY PATIENTS  
AT NGUDI WALUYO WLINGI REGIONAL HOSPITAL**

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**ABSTRACT**

**Background :** Post-laparotomy wound healing is a complex process influenced by the patient's physiological condition and health status. The ASA (American Society of Anesthesiologists) Physical Status is used clinically to assess the level of perioperative risk based on the patient's systemic condition, thus potentially related to the quality of wound healing. **Research purposes :** To determine the relationship between ASA Physical Status and the proliferative phase wound healing process in post-laparotomy patients at Ngudi Waluyo Wlingi Regional Hospital. **Research methods :** The study used a quantitative method with a cross-sectional design and Spearman Rank correlation bivariate analysis with a population of 53 respondents taken using a purposive sampling technique. **Research result :** Most patients had an ASA physical status of I, and most wound healing was in the excellent category. The Spearman Rank test results obtained a p-value of 0.000 ( $p < 0.05$ ) with a correlation coefficient of 0.760. **Conclusion :** There is a significant relationship between ASA physical status and the proliferative phase wound healing process in post-laparotomy patients at Ngudi Waluyo Wlingi Regional Hospital. Theoretically, patients with a lower ASA physical status have better physiological conditions, thus supporting tissue perfusion and oxygenation as well as cellular activities such as fibroblast and collagen formation, which play a crucial role in the success of the proliferative phase and optimal wound healing. This suggests that the lower the ASA physical status, the better the wound healing process experienced by patients.

**Keywords :** ASA Physical Status, Wound healing proliferative phase, Laparatomy.