THE RELATIONSHIP BETWEEN ASA PHYSICAL STATUS AND POSTOPERATIVE BLOOD PRESSURE IN PATIENTS UNDERGOING REGIONAL SUBARACHNOID BLOCK ANESTHESIA IN THE RECOVERY ROOM OF RSUD KARSA HUSADA BATU

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ABSTRACT

Changes in blood pressure are among the hemodynamic alterations that can occur following subarachnoid block regional anesthesia due to sympathetic nerve blockade. The American Society of Anesthesiologists (ASA) physical status classification describes a patient's physical condition and systemic diseases, which may be associated with Postoperative hemodynamic status. This study aimed to determine the relationship between ASA physical status and Postoperative blood pressure in patients undergoing subarachnoid block regional anesthesia in the recovery room of Karsa Husada Batu Regional General Hospital. A quantitative method was employed using a correlational observational analytic design and a cross-sectional approach. The study included 85 respondents selected via purposive sampling. The independent variable was ASA physical status, while the dependent variables were Postoperative systolic and diastolic blood pressure. No interventions or manipulations were performed on the respondents. Data analysis was conducted using the Spearman Rank correlation test. The results showed that the majority of respondents (n = 67; 78.8%) were classified as ASA physical status II. Regarding blood pressure, the largest groups fell into the "optimal" category for both systolic (n = 41; 48.2%) and diastolic (n = 45; 52.9%) readings. A significant relationship was found between ASA physical status and systolic blood pressure (r = 0.298; p = 0.006), characterized by a positive direction and weak correlation strength. Conversely, no significant relationship was observed between ASA physical status and diastolic blood pressure (r = 0.186; p = 0.087). In conclusion, ASA physical status is associated with systolic blood pressure but does not show a significant relationship with diastolic blood pressure.

Keywords: ASA physical status, blood pressure, regional anesthesia subarachnoid block, recovery room.