

THE RELATIONSHIP BETWEEN INTERDIALYTIC WEIGHT GAIN AND
INTRADIALYTIC BLOOD PRESSURE CHANGES IN END STAGE RENAL
DISEASE PATIENTS UNDERGOING HEMODIALYSIS
AT LAVALETTE HOSPITAL

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ABSTRACT

Background: Patients with End Stage Renal Disease (ESRD) undergoing hemodialysis are at risk of experiencing changes in intradialytic blood pressure. One factor suspected to influence this condition is Interdialytic Weight Gain (IDWG), which refers to fluid accumulation between two hemodialysis sessions. **Objective:** To determine the relationship between IDWG and intradialytic blood pressure changes in ESRD patients undergoing hemodialysis at Lavalette Hospital Malang. **Methods:** This research used a descriptive analytic design with a cross-sectional approach. The sample consisted of 83 patients selected using purposive sampling. IDWG data were obtained from the difference in body weight before and after hemodialysis, while blood pressure was measured before and after each session. Data were analyzed using the Pearson correlation test after normality was confirmed through the Kolmogorov-Smirnov test. **Results:** The majority of respondents had IDWG in the mild category (74,7%) and experienced stable blood pressure (44,6%). Pearson correlation analysis showed a p-value of 0,057 and an r-value of -0,209, indicating no statistically significant relationship between IDWG and intradialytic blood pressure changes. The correlation was negative with a weak strength. **Conclusion:** There is no significant relationship between IDWG and intradialytic blood pressure changes in ESRD patients undergoing hemodialysis. Nevertheless, IDWG remains an important clinical parameter to monitor in hemodialysis management.

Keywords: IDWG, intradialytic blood pressure, hemodialysis