

## ABSTRACT

### RELATIONSHIP OF LEVELS OF FLUID, SODIUM, POTASSIUM, DURATION OF HAEMODIALYSIS AND INTERDIALYTIC WEIGHT GAIN (IDWG) ON CHRONIC KIDNEY DISEASES PATIENTS UNDERGOING HAEMODIALYSIS

KINTAN NURAUZIA HEFI

NUTRITION STUDY PROGRAM  
(XI, VI Chapters, 85 Pages, 13 Tables)

**Background:** Kidney failure is a disease that causes a decrease in human kidney function. IDWG is an increase in fluid volume which is manifested by an increase in body weight to increase the amount of fluid entering during the interdialytic period.

**Objective:** To determine the relationship between the level of fluid adequacy, potassium sodium, duration of hemodialysis of Interdialytic Weight Gain (IDWG) RSUD Banten

**Method:** This type of research uses a cross sectional design, with a sample of 32 respondents, namely outpatients with chronic renal failure with hemodialysis. The data analysis used in this study is the Chi-Square test.

**Results:** The average respondent was > 45 years old, male respondents were 18 respondents (56.3%), respondents had nutritional status as many as 25 respondents (78.1%). Respondents with a high IDWG were 19 respondents (59.4%), the level of fluids adequacy was 20 respondents (62.5%), the level of adequacy of sodium was good, 19 respondents (59.4%), the level of sufficiency of potassium was 25 respondents ( 78.1%), respondents more than 1 year increased hemodialysis ie 18 respondents (56.3%). There is a relationship between the level of fluid and sodium adequacy with respect to the incidence of IDWG ( $p < 0.05$ ). While there was no correlation between the level of potassium adequacy and the duration of hemodialysis against IDWG ( $p > 0.05$ ).

**Conclusion:** Patient renal failure in RSUD Banten hemodialysis the level of adequacy of fluid and sodium affects IDWG while the level of potassium adequacy and duration of hemodialysis does not affect the IDWG.

**Keywords:** IDWG, Liquid, Sodium, Potassium, Duration of Hemodialysis, CRF.

**Reading List:** 97 (2000-2018)