

Abstract Type : Poster

Abstract Submission No. : PO-1474

Clinical Predictors of Hospital Readmission within 1 Year in Heart Failure with Chronic Kidney Disease Patients

Suppawan Lertpongpaopoom¹, Chennet Pholphet²

¹Department of Registered Nurse, Hat Yai Hospital, Thailand

²Department of Graduate Nursing Studies, Master of Nursing Science Program in Adult Nursing, Walailak University, Thailand

Objectives: This study aimed to investigate a set of clinical variables which were assessed right before a hospital discharge in order to predict hospital readmission of HF with CKD patients within a year

Methods: A retrospective study was applied with a sample of 194 HF with CKD patients, aged 18 years and older, who were admitted to a tertiary hospital. Reviews of annual medical records were conducted for data collection. Reviews of annual medical records were conducted for data collection. The last clinical variables which were measured and recorded before hospital discharge included systolic blood pressure (SBP), diastolic blood pressure (DBP), heart rate (HR), and important laboratory investigations (creatinine, sodium, and potassium serum). Binary logistic regression was used for the multivariate analysis.

Results: The results show that there were 58.8% female (n=114), 21-97 years (65.21+14.96), 53.6% (n=104) of HF with CKD patients were 1 year-readmissions. Clinical variables, both blood pressure value (SBP and DBP) and important laboratory investigations (creatinine, sodium, and potassium serum), were not significantly associated with hospital readmission within 1 month. Only HR variable was a predictor of 1 year hospital readmission with AHF (OR 2.622; 95%CI 1.450-1.708, p = .001).

Conclusions: The findings of this study offer insight information for caring HF with CKD patients. The nurses should provide appropriately continuity of care for HF with CKD patients who were HR higher than 80 bpm before hospital discharge.

SUPPAWAN_LE Table KSN

predictor of 1 month hospital readmission in Heart Failure with Chronic Kidney Disease	Total (n = 194)			
	OR	95% CI		<i>p</i>
		Lower	Upper	
Heart Rate	2.622	1.460	4.708	0.001
Systolic Blood Pressure	0.080	0.311	1.067	0.576
Diastolic Blood Pressure	0.692	0.370	1.934	0.846
Creatinine	1.289	0.450	0.667	2.493
Sodium	0.971	0.358	2.632	0.954
Potassium	1.285	0.660	2.501	0.461