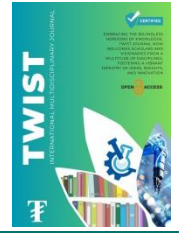




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# The Effect of Giving Low Dosage Furosemide in Sepsis Patients with Acute Kidney Injury in Intensive Care Unit of H. Adam Malik General Hospital Medan

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**Abstract**

Acute Kidney Injury (AKI) with sepsis is a dominant problem in the management of ICU patients who require Renal Replacement Therapy (RRT). Loop diuretics (LD) such as furosemide are used intensively in emergency medicine and intensive care because they can control hyperhydration. LD has been reported to modulate tubular cell survival beneficially. This study aims to determine the effect of low-dose furosemide on the improvement of acute kidney injury and kidney function in septic patients at the ICU H. Adam Malik Hospital, Medan. Methods: This study is a prospective cohort observational analytic study to examine the relationship between lowdose furosemide and the improvement of acute kidney injury in septic patients in the ICU of H. Adam Malik General Hospital Medan. A total of 34 samples that met the inclusion and exclusion criteria were included in the study.

**Keywords**

Low Dose Furosemide, Sepsis, Acute Kidney Injury (AKI), Urea, Creatinine, Urine Output, Kidney Function, Improvement of AKI

The full length manuscript can be sought from the corresponding author or upon requesting the editorial office with due intensions for usage and implementation.