FST Analysis Supporting Timely Therapy and Risk Assessment Via Clinical Decision Support for Kids

Status: RECRUITING

Eligibility Criteria

Sex: ALL
Age:
Healthy Volunteers: This study is NOT accepting healthy volunteers
Inclusion Criteria:

- Admitted to the pediatric intensive care unit (PICU)
- Renal Angina Index (RAI) greater than or equal to 8 (RAI+)
- Urine NGAL greater than or equal to 150 ng/mL (NGAL+)

Exclusion Criteria:

- Receipt of renal replacement therapy prior to PICU admission

Conditions & Interventions

Interventions:
OTHER: Furosemide Stress Test Clinical Decision Support Tool
Conditions:
Acute Kidney Injury, Renal Replacement Therapy, Pediatric Intensive Care Unit
Keywords:
NGAL, Renal Angina Index, Furosemide Stress Test

More Information

Description:
The goal of this study is to learn whether adding a clinical decision support tool to the electronic medical record helps clinicians use the furosemide stress test in critically ill children at high risk for severe acute kidney injury (AKI). The main question it aims to answer is: Does implementing the decision support tool reduce fluid overload and help predict which children will receive dialysis? Researchers will identify children admitted to the pediatric intensive care unit who are at high risk for AKI using risk stratification and biomarker testing, then compare outcomes in the two years after the tool is introduced with the two years before.

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