**Supplemental Digital Content 1**

**Figure. Depiction of QI methods used in the study**

**Overall aim**: To reduce time to recognition of severe sepsis and administration of first dose of antibiotics

**PDSA aim**: To recognize children with severe sepsis at presentation and administer first dose of antibiotics within the first hour

**Fi**

**Plan**

**Act**

**Study**

**Do**

-Document time

to recognition of severe

sepsis and administration

of antibiotic in the existing

set up

-Design a triage tool and a protocol for early recognition and management of severe sepsis

-Orient the treating team to the triage tool and management protocol for children with severe sepsis

-Orient the senior residents and the nursing staff in the casualty to the project and take feedback and discuss implementation of the same

-Project members did triage of patients and helped the senior resident in management as per protocol

-Run charts were prepared to track the progress

**The Measures (Outcome and Process):**

Children with severe sepsis identified within 10 minutes and antibiotics administered within 1 hour of recognition

**The Change Idea:**

1. Create a triage tool and a protocol for timely management of these patients

2. Check the feasibility in the current set up

Based on the results we planed the next PDSA and tracked the progress

**The Prediction:** Timely identification and administration of antibiotics in children with severe sepsis will improve outcomes