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## **Surgical Intensive Care Unit**

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# **Detect Early, Intervene Early, Save Lives and Hold the Gains**

**PROBLEM:** The "Sepsis-Six Pathway" is a care bundle which was introduced in HGH and SICU in late 2013. According to our baseline data collection 100% of SICU staff was aware of the Sepsis-Six Pathway, this was achieved by the CCITP cycle 9 but the compliance with the screening tool was only 46%. This can result in an increase mortality, morbidity, length of stay of sepsis patient and ICU cost.

**AIM**: To improve the compliance with the standardized screening and management bundle i.e. "Sepsis-Six Pathway" from 46% to 80% by June 2016 and 100% by December 2016

#### INTERVENTION:

- Data collection of the compliance of Sepsis-Six Pathway
- Survey to assess the reason for non-compliance of Sepsis-Six tool
- Staff education for both nurses and physician
- Post education data collection for the compliance of the Sepsis-Six tool

#### TEAM:

Dr. Kashif Mahmoud Dr. Ejaz Salam Khan Christian Dinglasan, RN Satheesh Kumar, RN

#### **PROJECT SPONSOR:**

Dr. Mohamad Faisal Abdullah Malmstrom MD

#### **COACH**

- ■Dr. Samina Khan
- ■Dr. Reham Negmeldin

### **RESULTS: Percentage of Compliance to Sepsis Six Screening Tool** 100% 90% 80% 70% ntervention 60% 50% 40% 33% 30% 20% 10% Dec Dec Dec Dec Dec Jan Jan Jan Jan Jan feb feb feb mar 6 mar mar mar apr 3 01 - 07 - 14 - 21 - 28 - 01 - 04 - 10 - 17 - 24 - 31 - 07 - 14 - 21 - 28 - mar 13 - 20 - 27 - apr feb mar 5 12 ⊪b 6 feb

#### **CONCLUSIONS:**

- Target compliance in activating Sepsis-Six pathway tool achieved.
- Able to exceed our target of 80% by May 2016 to 100%
- · Activation of sepsis-six pathway improved

#### **NEXT STEPS:**

Percentage

- Continuous monitoring and audit bi-annually
- Education of the new staff( residents fellows and new/rotating nursing staff)
- Clinical update sessions in sepsis management
- Spread the message to the other clinical departments