



Project Name

Reduction Of Tube Feeding Process Turn Around Time (TAT).

Site	Department	
Jeddah	Clinical Nutrition	
Project Status	Project Start Date	Project End Date
Completed	01-01-2018	03-01-2018

Problem: Why the project was needed?

- Dietitians observed that the whole process for setting up the enteral feeding for a patient consumed a significant amount of time from the nurse's duty each day by following all the steps required from grapping the feed till she deliver the nutrition to the patient and she repeat this steps up to 6 times a day as needed.
- On calculating the total time it takes for the nurse to set up the feed we found this to be 60 minutes in total each day for each patient (around 10-12 minutes each feed).
- This therefore was a significant amount of time taken away from the nurse for a single patient each day, which would hinder the time the nurse could invest in other tasks that required more clinical intervention.
- Dietitians observed that using this technique (Open System Feeds) is wasting the nutritional formula, when the Dietitian ordered specific amount of feed to be given and the hanging time is only 4hours, the nurse has to fill the bag with the required amounts and throw the left over formula to prevent spoilage and contamination.

Upon calculating the cost of formula wastage for 15 patients on the open enteral feeding system during a 1 month period only, we found that the total cost for open enteral feeds/equipment (formula, giving sets and additives) was 30,000 SAR.

Aims: What will the project achieve?

Reduce tube feeding management process (TAT) from 60 minutes to 20 minutes or less Per patient per day.

Benefits/Impact: What is the improvement outcome?

(check all that apply)

- Contained or reduced costs
- Improved productivity
- Improved work process
- Improved cycle time
- Increased customer satisfaction
- Other (please explain)

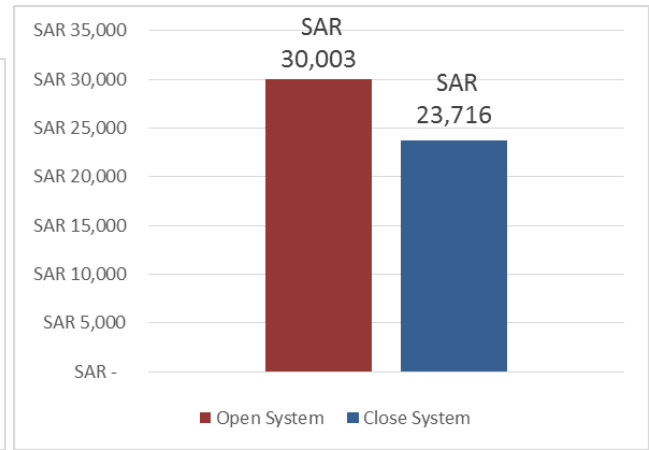
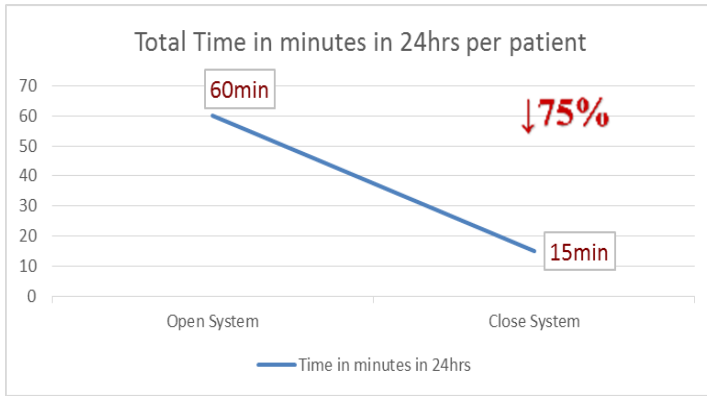
Quality Domain: Which of the domains of healthcare quality does this project support?

Efficient

Interventions: Overview of key steps/work completed

- A new system has been introduced to the hospital called Closed Feeding System, where the nutrition formula is prepackaged in a completely closed (non-air dependent collapsible bag) system that can be connected directly to a feeding tube.
- Samples have been tried in some areas and evaluation forms completed by end users and submitted to the Nursing Products Coordination Department.
- Approval was received from Infection Control and other concerned departments.
- In-service education and training by the company representative, nursing coordinator and clinical dietitian was delivered throughout the hospital units.
- The IPP updated: Nasogastric/Orogastric Tube Management, Index No.NA-J-CL-04-010 due to change in policy and practice.
- A cost comparison exercise was conducted to compare the total cost of the closed enteral feeding system with the open enteral feeding system for 15 patients. We liaised with the supply chain department for cost prices and obtained the patient data from the power chart system.
- Also TAT was calculated to perform all the steps required when sitting up the closed enteral feeding system mentioned in the IPP and this was significantly reduce nursing time by 75% each day per patient.
- The results of the nursing satisfaction survey concluded that 91.5% of the nurses throughout the hospital preferred the closed enteral feeding system.

Results: Insert relevant graphs and charts to illustrate improvement pre and post project
(insert relevant graphs, data, charts, etc.)



Project Lead

Name

(person accountable for project)

Samaher Omar Alamoudi

Team Members

Names

(persons involved in project)

Samer Dardas (QM Facilitator)

Nadia Aslam

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Shahinaz Ashrour