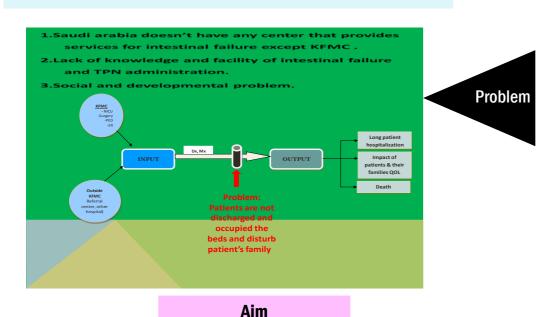
Dr. Badr M Alsaleem Consultant, Pediatric Gastroenterology (project Leader)



To provide equity and quality of services for children with intestinal failure and their families in Saudi Arabia.

To improve and standardized intestinal failure (IF) care at KFMC.

To improve quality of life for both Patients and their families.

To improve the utilization of the beds ,decrease the cost and decrease the ALOS in GI wards.

Interventions

By applying the FOCUS-PDCA methodology, we have succeeded to achieve the necessary interventions to implement the action plan for improvement which will help us to achieve our objectives and goal. Following are the main interventions achieved:

- 1. Formalized a team for TPN and central line care.
- 2. Developed IPP & ensure implementation
- 3.Selected and identified the Peripheral Clinical Network (PCNW) and established our communication to convince them for collaboration.
- 4. Visited local hospitals for evaluation, raised awareness and arranged lectures.
- 5. Invited and trained the staff from the PCNW including Nurses, physician and pharmacists.
- 6. Trained the parents on the TPN administration, central line care and patient care.
- 7. Initiate and Established TPN Courier system through The Saudi Arabia.

ALOS AFTER

- 8.Transferred patients to home/local hospitals on TPN with equipment and providing them TPN bags every week.
- 9. Follow up and monitoring.

King Fahad Medical City—Children Hospital - GI Section



Pediatric Intestinal Failure & Parenteral Nutrition Improvement Program—Five years



1. Team:

Ali Aser and A AlhussaIni GI Consultant Kkurram L and A Basheer ass Consultant

Najwa G and Sameh W clinical Pharmacy Mrs Suzan O Dietitian

Elizabeth,Kouchuthresa,Michella.Sandra,Bernadette and Shirley TPN Nurses Siji and Ancy CVC team Mrs. Saliha N Health Education

Dr Ismael and Samar reach and CM team Pediatric surgeons and Nurse Education

2. Project Sponsor: Dr. Khalid AlMobeireek - Medical Director, Children Hospital

Dr. Mohammed Alshehri -Head Ped Subspeciality

3. Coach/ Facilitator: Mrs. Suzan Rasheed Senior Quality Specialist

Results:

1. After implementing this program, the cost for each patient is:

TPN Bags - 30,000 SAR per month

Courier – 1000 SAR per month

Disposable items 1000SAR per month

TPN tubes – 5,580 SAR per month

The total cost for each patient is 450960 SAR per year. The previous cost was 1.5 mill

We saved One million and fifty thousand SAR(105000) per patient per year.

2. The ALOS decreased to 19 days(40.6%) from 32 days per year

- 3.Blood stream infection decrease to 1.5/1000 days from 5.78(I Standard 4.0)
- 4. Survival rate has exceeded 93%.
- 5. Most of the patients (63%) have been weaned off from TPN.
- 6. The quality of life of the patients and parents are improved.
- 7. Establish and maintain the first unique program in Saudi Arabia for pediatric intesti nal failure care.



CLABSI RATE 2008-2013



Conclusion:

With the success of PIFPN program benefits observed which is unique in the Saudi Arabia ,decrease the cost ,improve the care and life quality for the patients. we recommend to continue support this program.

Next step

- 1.Implement the program as National program in the kingdom.
- 2.Get the Saudi Medical Council approval for the training programs.