“Colorectal SSI Prevention Takes a Team”

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SEPTEMBER 21, 2018
The Task

Reduce Healthcare Associated Colon Surgical Site Infections

- Enhance Pre-Operative
- Intra-Operative Best Practice
- Post Operative Best Practice
- Causal Identification
Implementing Takes a Team

Reference: https://balancedaction.me/2012/10/17/the-jar-of-life-first-things-first/
The Jar

- Base, Infection prevention and Quality
  - Data
  - Score Cards
- Side, work group made of frontline staff
- Mouth, Chairs of the committee
  - Medical
  - Nursing

Reference: https://balancedaction.me/2012/10/17/the-jar-of-life-first-things-first/
The Team
Filling the jar...

• Best practices
• Driver diagram
• Developed by the team

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Driver Diagram

Aim

Primary Drivers

Secondary Drivers

- Administer appropriate prophylactic antibiotic in appropriate time period.
- Weight based prophylactic antibiotic dosing
- Appropriate ASA Score Determination
- Normothermia maintained pre-procedure
- Administer supplemental oxygen
- Mechanical Wound Protectors
- Bowel Technique
- Aseptic/Sterile Technique
- Normothermia maintained throughout procedure
- Antibiotic re-dosing as appropriate
- Administer supplemental oxygen
- Appropriate Wound Classification
- Consider: Antimicrobial sutures
- Consider: Irrisept (CHG) prior to closing
- Maintain post-operative blood glucose of 180 mg/dL or lower
- Normothermia maintained post-procedure
- Staff/Physician SSI Infection Prevention education
- Provide OR leadership, staff and physicians with SSI data.
- Cleaning/Disinfection/ Sterilization of Instrument
- Accurate documentation for coding

Post Operative Best Practice

Causal Identification

IP/QPI Facilitation Apparent/ Common Cause Analysis
IP Analysis
Golf Balls

- Best practices
- Driver diagram
  - Developed by the team

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A Pick chart
Is the Jar Full?

Reference: https://balancedaction.me/2012/10/17/the-jar-of-life-first-things-first/
Gravel/Pebbles

• The other important things
• Translation evidence into practice
  • Surgeons
  • Staff

Reference: https://balancedaction.me/2012/10/17/the-jar-of-life-first-things-first/
Engage and Educate

1. PATOS
2. Wound Protectors
3. Bowel Technique
4. Antibiotic Selection
5. Enterprise Collaboration
Is the Jar Full?

Reference: https://balancedaction.me/2012/10/17/the-jar-of-life-first-things-first/
Sand

Reference: https://balancedaction.me/2012/10/17/the-jar-of-life-first-things-first/
Sand

Reference: https://balancedaction.me/2012/10/17/the-jar-of-life-first-things-first/
Beer

• Connect to purpose

• Pizza Party
• Show success
• Score cards
• Data
• Audits

Reference: https://balancedaction.me/2012/10/17/the-jar-of-life-first-things-first/
Scorecards, Data & Audits

• Analyze each event
• Unit Safety Huddles
• Share your results

CMH: Bowel Technique Compliance
Bowel Technique Compliance
October-December 2017
100% Compliance

Days Since Last Colon SSI
April 2017
301

COLO SSI Huddle-4/28/17

COLO
• Fecal spillage in the abdominal cavity during and post surgery
• Diagnosed by positive culture

Cause
• PATOS was not documented
• Bowel Technique was not followed
• Low intraoperative temperature

Action
• Share event and cause with all unit staff
• PATOS education to surgical staff with 90% education rate
• Surgeon education and awareness

Post Huddle Update: 95% of surgical staff received PATOS education!! (2 staff are pool & 1 staff member on medical leave)

Froedtert
We need a bigger Jar…

CHD General Surgeon’s Collaboration

ERAS

Enterprise Collaboration

Spot-On
Valuable Lessons Learned

• Do the really important things first
  ➢ Set your priorities, goals and timelines
  ➢ There will always be time for the task-oriented things

• Seek out your subject matter experts
  ➢ Infection Prevention, Quality, Stewardship Pharmacists

• Spend time with key stake holders--staff, physicians

• Identify barriers and reevaluate

• Celebrate your successes

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THANK YOU