

Clinical Safety & Effectiveness Cohort # 9

PEG Tube Patient Returns at the UHS Outpatient Gastroenterology Endoscopy Lab



SAN ANTONIO

Financial Disclosure

Tisha N. Lunsford, MD, has no relevant financial relationships with commercial interests to disclose.

The Team

Division: Gastroenterology

Team: Team Schiavo

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Facilitator: Amruta Parekh, MD, MPH

Sponsor Departments: UTHSC Gastroenterology & UHS – Quality & Process

Improvement

What We Are Trying to Accomplish?

OUR AIM STATEMENT

Decrease the number of unanticipated patient returns following PEG tube placement to the outpatient Gastroenterology Endoscopy Center by 10% by 2/23/12.

Project Milestones

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- AIM statement created
- Biweekly Team Meetings
- Background Data, Brainstorm Sessions
- Workflow
- Fishbone Analyses
- Interventions Implemented
- Data Analysis
- CS&E Presentation

August 2011

August 2011

09/11 - 12/2011

10/03/2011

10/10/2011

10/10/2011

01/17/2012

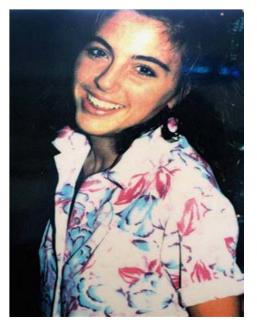
10/2011-02/2012

2/24/2011

Background



December 3, 1963 - March 31, 2005





- Desire to improve quality of care and perigastrostomy tube education to patient's and/or caregivers.
- diversity and possible lack of time/educational resources, perigastrostomy tube education regarding implications of placement, alternatives, care and resources for complications is lacking.

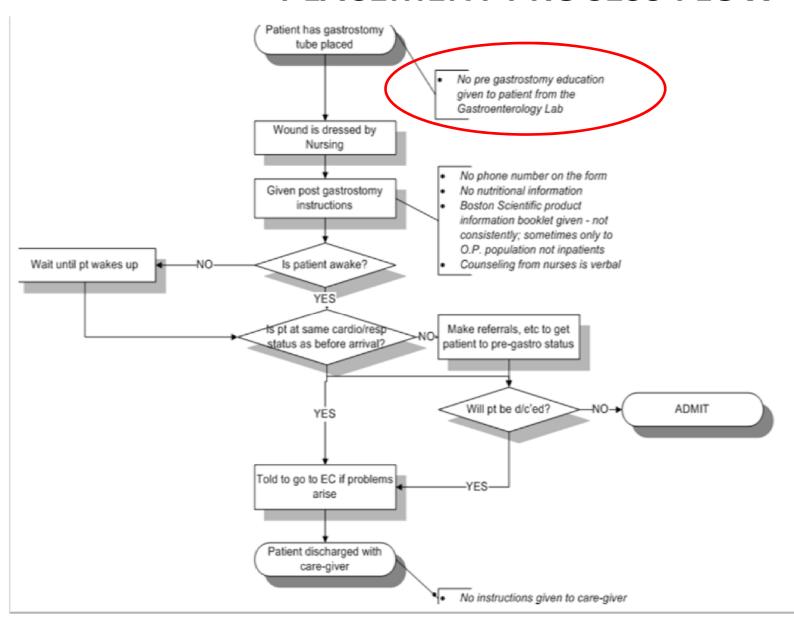
How Will We Know That a Change is an Improvement?

- Improve patient/caregiver understanding of indications, implications, alternatives and resources involving gastrostomy tube placement by implementation of a bilingual pre procedure and post procedural educational patient/caregiver process
- Reduce number of unanticipated post procedural returns to outpatient GI lab by 10%

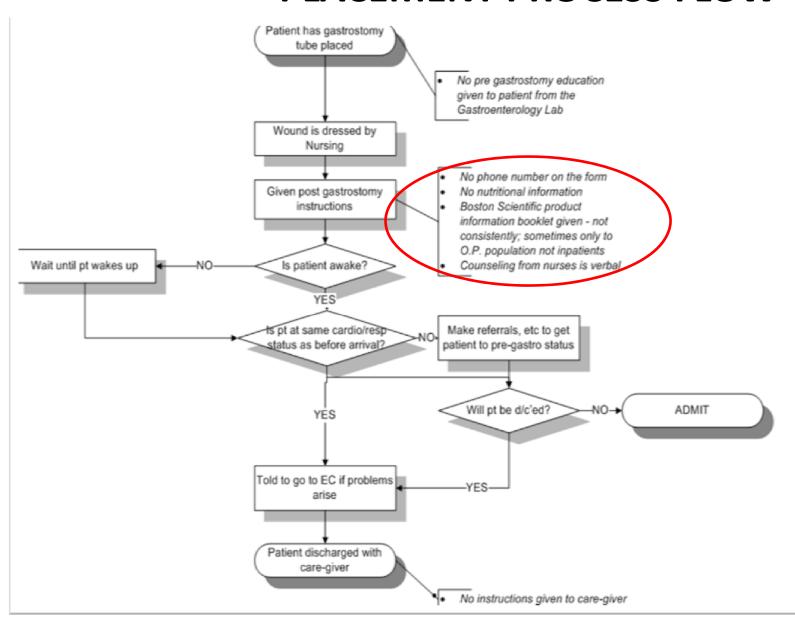
Selected Process Analysis Tools

- Brainstorming
- Flowchart
- Fishbone
- Pareto diagram
- Statistical Process Analysis Chart

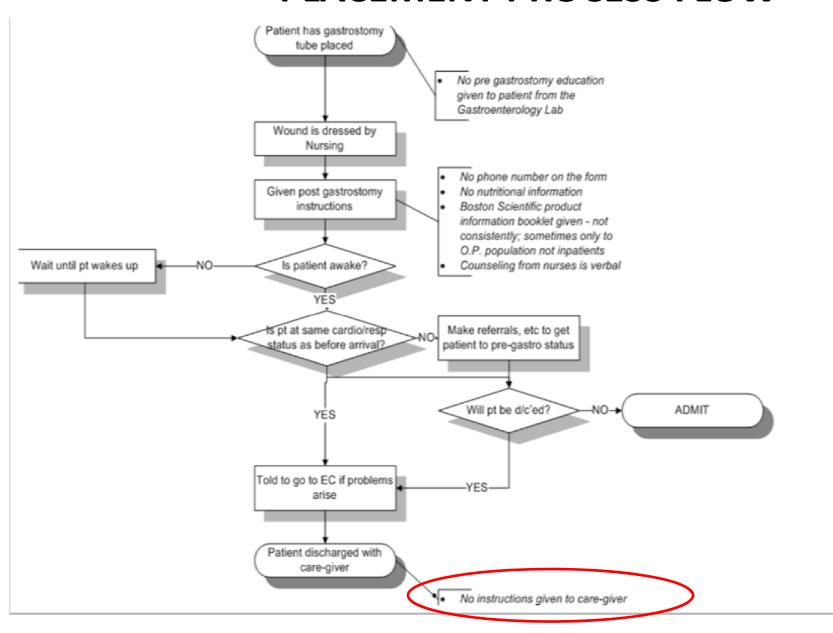
IMMEDIATE STATUS POST GASTROSTOMY TUBE PLACEMENT PROCESS FLOW



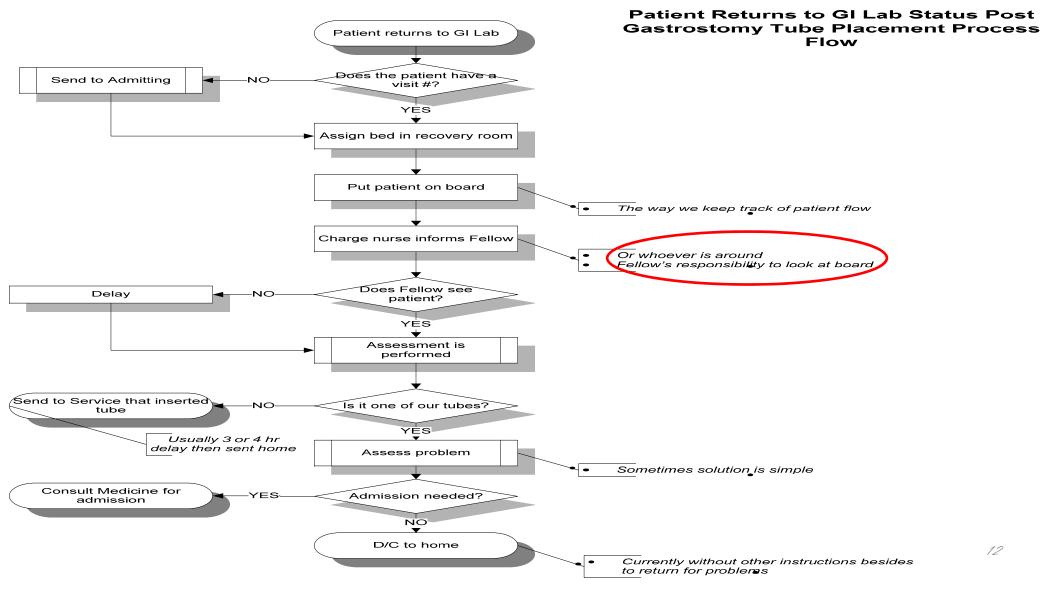
IMMEDIATE STATUS POST GASTROSTOMY TUBE PLACEMENT PROCESS FLOW



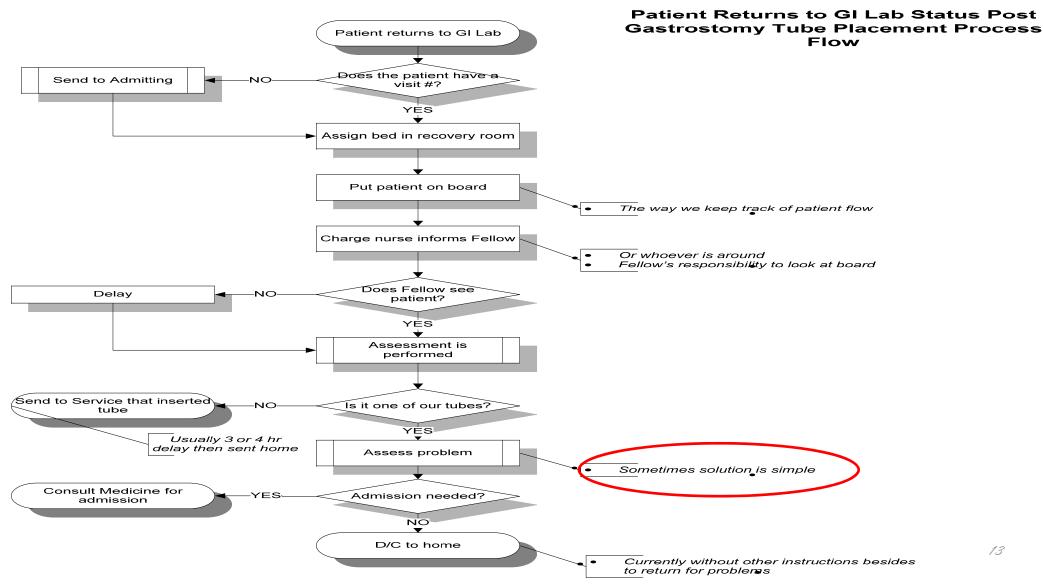
IMMEDIATE STATUS POST GASTROSTOMY TUBE PLACEMENT PROCESS FLOW



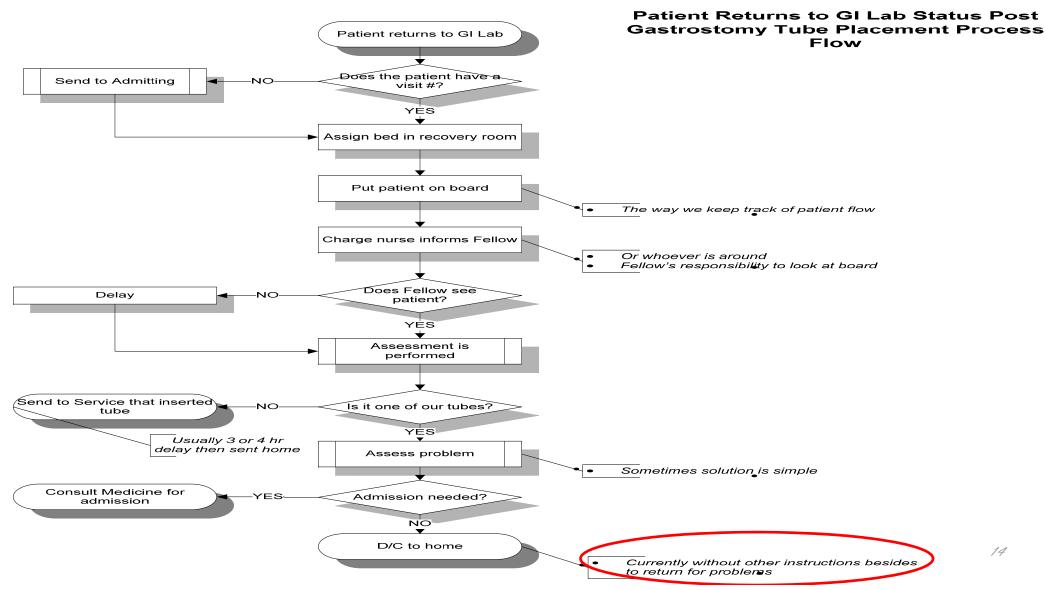
Patient Returns to GI Lab Status Post Gastrostomy Tube Placement Process Flow

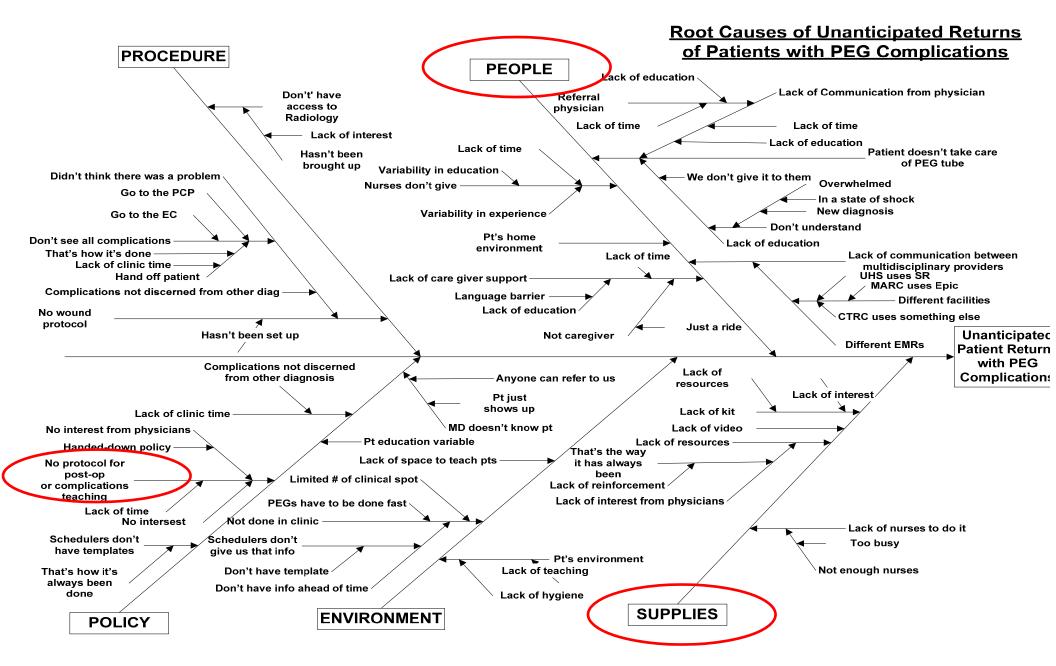


Patient Returns to GI Lab Status Post **Gastrostomy Tube Placement Process Flow**

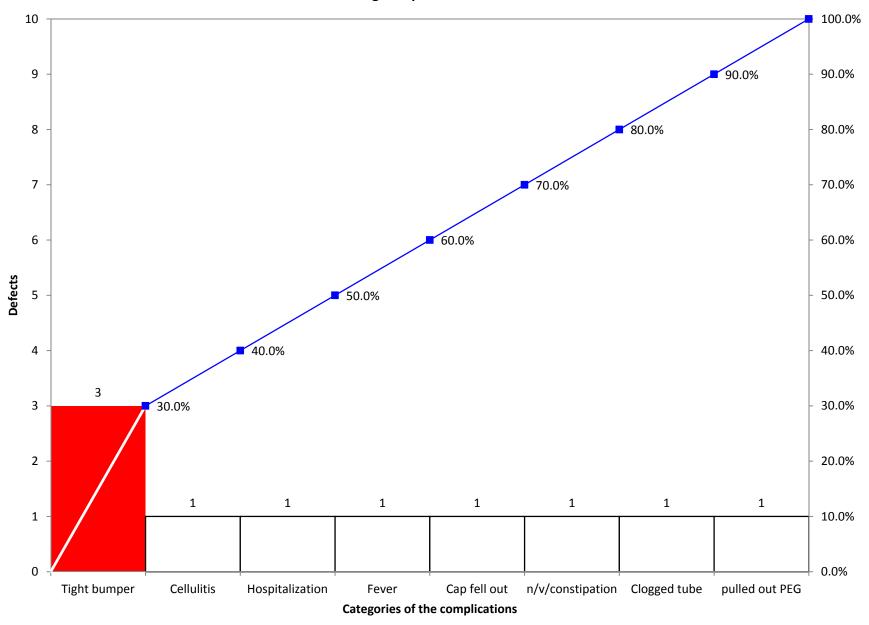


Patient Returns to GI Lab Status Post **Gastrostomy Tube Placement Process Flow**





Pareto Chart showing complications from PEG tube Placement



Intervention

Plan

- Decrease post-PEG return rate
- Implement a pre and post procedural protocol for patients receiving PEG tube placement to increase comprehension to OP GI center
- Provide familiarity and knowledge of point of contact for complications in order to decrease unanticipated returns to OP GI center

Implementing the Change

Do

- Develop a bilingual, comprehension appropriate educational brochure and standardization of staff protocol for verbal counsel and documentation of incoming calls/questions regarding care.
- Lessons learned have included drastic variability in coding and documentation of return visits (data collection)
- Difficulty in producing reading material at or under an 5th grade level

Implementing the Change

Percutaneous Endoscopic Gastrostomy (PEG)

University Health System

Stomach

Tube Use and Care

What is a PEG?

· A PEG is a tube put into your stomach, to give you liquid feedings, fluids, and medicines

How is the PEG procedure performed?

- · You will receive medicine into your veins to make you relax during the procedure
- · A small opening will be made on the skin of your stomach area
- · An endoscope (lighted flexible tube) is used to put the PEG tube into your stomach

How should I care for the PEG tube?

- · Always wash your hands before touching your PEG tube
- Remove the dressing 24 hours after your procedure
- Clean the PEG site every day with soap and water
- Keep the PEG site dry in between deanings
- Gently twist the tube daily to prevent a scab from forming
- · Every day check the skin for redness, swelling, or leakage
- · Flush your PEG tube with 60mL (1/4 cup) of warm water daily
- · Flush your PEG tube with warm water before and after every tube feed and/or medication
- · Do not put dressing (covering) or gauze between the PEG tube bumper and the skin

What types of food can I eat?

- · Your doctor will decide on the type of food you can eat
- · Once your doctor has told you to start feeding, use the steps below

Using the PEG tube:

- · Before using the PEG tube, wash your hands with soap and water
- · Clamp your PEG tube for 30 minutes before giving yourself food or medicines · Sit upright during every feeding (about 45
- · Flush your tube with at least 60mL (1/4 cup) of warm water
- · Pour the liquid/medicine into the PEG tube set or pump







- · After each use, flush your tube with at least 60mL (1/4 cup) of warm water
- · Close the cap on the PEG tube
- · Clamp the PEG tube
- · Sit upright or keep the head of your bed raised up (about 45 degrees) for one hour after feeding yourself









Uso y Cuidados de la Sonda de Gastrostomía Endoscópica Percutánea (PEG)



Estómago

¿Qué es la gastrostomía endoscópica percutánea (PEG)?

· La gastrostomía endoscópica percutánea es la colocación de una sonda en el estómago para administrarle alimentos líquidos, otros líquidos y medicamentos

¿Cómo se realiza el procedimiento de PEG?

- Se le administrará un medicamento a través de una vena para que esté relajado durante el procedimiento
- Se hará un pequeño orificio en la piel, en el área del estómago
- · Se utiliza un endoscopio (tubo flexible con luz) para colocar la sonda PEG en

¿Cuáles son los cuidados que debo tener con la sonda PEG?

- Siempre lávese las manos antes de tocar la sonda PEG
- · Quite el vendaje 24 horas después del procedimiento
- Limpie el sitio de la sonda PEG todos los días con agua y jabón
- Mantenga seco el sitio de la sonda PEG después de cada limpieza • Gire suavemente la sonda todos los días para evitar la formación de costra
- Revise la piel diariamente en caso de que esté enrojecida, hinchada o haya salida de líquido
- Enjuague diariamente la sonda PEG con 60 ml (1/4 de taza) de agua tibia
- Enjuague la sonda PEG con agua tibia antes y después de cada alimentación y/o medicamento administrado por la sonda
- No coloque el vendaje (cubierta) o gasa entre el extremo redondo llamado "bumper" de la sonda PEG y la piel

¿Qué tipos de alimentos puedo comer?

- · Su médico decidirá el tipo de alimentos que puede comer
- · Una vez que su médico le haya indicado que empiece con la alimentación, siga los pasos a continuación

Uso de la sonda PEG:

- Antes de usar la sonda PEG, lávese las manos con agua y jabón
- Sujete la sonda PEG durante 30 minutos antes de administrarse alimentos o medicamentos
- Siéntese erquido (derecho) durante cada alimentación (unos 45 grados)
- · Enjuague la sonda con un mínimo de 60 ml (1/4 de taza) de agua tibia
- · Vierta el líquido/medicamento en el equipo o bomba de la sonda PEG







- Después de cada uso, enjuaque la sonda con un mínimo de 60 ml (1/4 de taza) de agua tibia
- · Cierre la tapa de la sonda PEG
- Sujete la sonda PEG
- · Siéntese erguido (derecho) o mantenga levantada la cabecera de la cama (unos 45 grados) durante una hora después de la alimentación



Esófago







