



# 2020 LEAD Capstone Poster Session

## UT Southwestern Medical Center Intestinal Rehabilitation Program

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# Abstract

- **Problem:**
  - Absence of intestinal rehabilitation program in Texas
- **Action**
  - Create an Intestinal Rehabilitation Program which will be linked to the Inflammatory Bowel Disease Program, providing a unique multidisciplinary and comprehensive care team who will work under a consensus of clinical pathways
  - This program will allow us to integrate clinical pathways, with basic science and clinical research, in addition to educating the next generation of surgeons and gastroenterologists
  - Program metrics will be based on the annual growth in addition to clinical outcomes and research productivity
- **Result:**
  - The result will be creating a unique, sustainable, Intestinal rehabilitation program which add to the IBD program providing a multidisciplinary care to this high complex patient population. It will allow us to differentiate from any other major academic center in southern US





# Objectives

- Create an Intestinal Rehabilitation Program for adult patient population distinctive in Texas providing a unique multidisciplinary and comprehensive care team who will work under a consensus of clinical pathways
- Establish UTSW as a preferred, broad-scale gastrointestinal specialty provider allowing the system to become a differentiated tertiary/ quaternary academic clinical program





# Background Information

- Intestinal failure is the inability of the gut to absorb appropriate macronutrients, micronutrients and water resulting in the need for chronic IV supplementation in order to sustain life
- Although it is a relative rare condition, affecting 50 per million people it has tremendous consequences both to the individual and for the healthcare system
- There are only 7 intestinal rehabilitation programs for adult patient population in the country and none in Texas
- Who are candidates:
  - Crohn's disease
  - Motility disorders
  - Vascular occlusion
  - Abdominal trauma
  - Vascular insufficiency
  - Others



Figure 1: Adult Intestinal rehabilitation programs in United States





# Specific Aims

- Create intestinal rehabilitation program unique in Texas
- Provide a multidisciplinary and comprehensive care team who will work under a consensus of clinical pathways
- Integrate clinical pathways, with basic science and clinical research



# Project Plan

- Program Vision and Gap Analysis:
  - Patient access
  - Service excellence
  - Internal and external outreach
  - Patient-centered care
  - Patient and family education and shared decision making
  - Recruitment of talent and learners
  - Clinical Research
  - Program sustainability





# Application of What You Learned at LEAD

- Identify a problem
- Develop an action plan
- Deliver results
  - Improve outcomes
  - Increase productivity
  - Raising future leaders
  - Improve corporate culture
  - Effectively manage change



# Proposed Budget

- Total Expense: \$1,078,000
  - GI surgeon Y1: \$450,000
  - GI Nutritionist: \$ 412,000
  - Registered Nurse: \$96,000
  - Nurse Navigator: \$ 120,000





# Innovation and Significance

- Create a unique, multidisciplinary, integrated and patient centered program in Texas and mid-south United States



# References

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