



# 2022 LEAD Capstone Poster Session

## **UT Southwestern Multidisciplinary Extremity Preservation Program**

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# Abstract

- **Overview.** Critical Limb Threatening ischemia (CLTI) is defined by the presence of PAD with gangrene, ulceration or rest pain
- Untreated, patients with CLTI experience chronic pain, amputation and death
- Implementation of Limb Preservation programs drastically improve the care given to patients with CLTI
  - Less amputations, improved survival and QOL







# Objectives

- **Objective.** To establish with UT Southwestern Extremity Preservation Program (SWEPP)
- **Methods.** Establish a team that offers comprehensive, state of the art, evidenced based, CLTI care
  - Supplement care with ground breaking clinical research and become a local, nation and international leader in CLTI care
- **Outcomes.**
  - Improve clinical care for patients with CLTI
  - Establish UTSW as leader in CLTI care and research



# Background Information

- Existing Outpatient Wound Care Program
  - Plastic surgery, PM&R, Vascular Surgery, Ortho, Podiatry
  - Multiple clinical trials – Polarity TE, BioScience RCT, MedImmune, etc...
- Inpatient
  - Multiple specialties all acting independently
  - *No unified pathway – no care synergy*
    - ✦ *LOS CLTI patient is on average 12 days*
  - *CLTI Clinical Trials – Phillips TACK registry, ELEGANCE*





# Project Plan

- Establish inpatient SWEPP service line
- Establish month SWEPP monthly meetings
- Establish SWEPP hospital care unit
- Broaden access for new patients
- Expand resources to facilitate inter-specialty collaboration
- Develop patient education resources and care coordination
- Expand internal and external marketing effort



# Application of What You Learned at LEAD

- Identify key stakeholders and effectively communicate/listen
  - Vascular, Ortho, Plastics, Podiatry, Medicine, PM&R, ID, outpatient wound care program
- Negotiation strategies to obtain support of key stakeholders
  - Identified a team of providers with a shared interest and vision for SWEPP program
- Create plan with clear goals and deliverables
  - Institute SWEPP → decreased LOS and improved outcomes in CLTI patients





# Proposed Budget

- Clinical coordinator (1 FTE)
- Research Coordinator (1 FTE)
- Dedicated Social Worker (1 FTE)
- Marketing Resources
  
- In the future
  - Utilization of specific floor unit at CUH to localize the patients with CLTI



# Innovation and Significance

- This project will be significant because it will establish UTSW as a leader in:
  - Clinical care for CLTI – we will decrease morbidity and mortality
  - Develop CLTI care expertise of trainees
  - Clinical research for CLTI
  - Advocacy for patients with CLTI – will we decrease LOS
- This project will be innovative because it will:
  - Comprehensively unify expertise across multiple disciplines, serving as a model for programs in DFW, Texas and Nationally
  - Identify UTSW as the only medical center in DFW that offers completely comprehensive CLTI care





# References

- Mills JL ,Conte MS ,Armstrong DG ,et al. The Society for Vascular Surgery Lower Extremity Threatened Limb Classification System: risk stratification based on Wound, Ischemia, and foot Infection (WIFI). J Vasc Surg 2014;59:220–34 e2.
- Conte MS, Bradbury AW ,Kolh P ,et al. Global vascular guidelines on the management of chronic limb-threatening ischemia. J Vasc Surg 2019;69(6S):3S–125S e40.
- Flores AM ,Mell MW ,Dalman RL ,et al. Benefit of multidisciplinary wound care center on the volume and outcomes of a vascular surgery practice. J Vasc Surg 2019;70:1612–19.