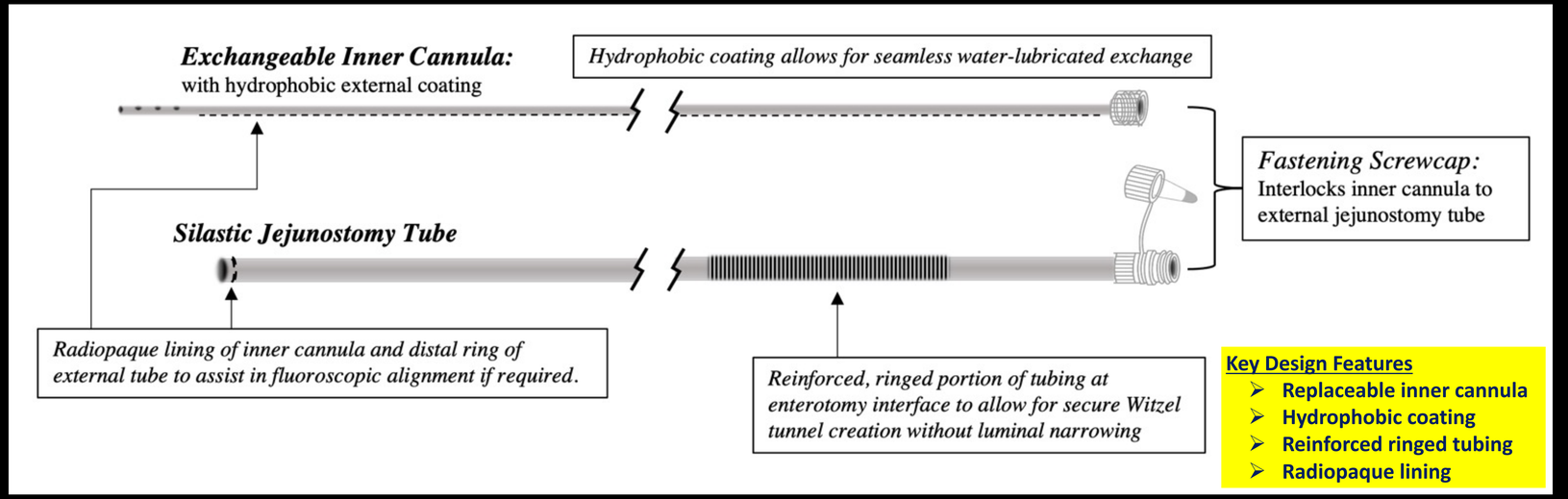
A Novel Device for Management of Jejunostomy Tube Dysfunction

Michelle M. Dugan MD, Fred N. Qafiti MD MSBE, Ken Gibbons BS RN, Matthew D'Alessio MD

Florida Atlantic University Schmidt College of Medicine



Key Design Features

- **Replaceable inner cannula**
- **Hydrophobic coating**
- **Reinforced ringed tubing**
- **Radiopaque lining**

Objective

- Perioperative nutrition is essential for successful recovery
- **36%** of patients develop **complications** related to jejunostomy tubes
- **11.1%** of jejunostomy tubes become **obstructed**
- **28%** require **removal** or **replacement**

We present an innovative surgical jejunostomy tube system that provides a **simple non-operative salvage option for mechanical jejunostomy tube obstruction.**

Description and Method of Use

- **Catheter-in-sheath design**
- Thin, firm, silicone-based **replaceable inner cannula**
- To relieve tube clogging, **the inner cannula is simply removed and replaced with a new inner cannula**
- No manipulation of the outer jejunostomy tube
- Exchange can be performed by **any qualified medical staff**
- The steps to replace the inner cannula include:
  1. Remove clogged jejunostomy inner cannula
  2. Flush outer jejunostomy tube
  3. Replace with a new inner cannula and fasten to the outer jejunostomy tube with interlocking screwcap mechanism

- **Radiopaque lining** along the length of the inner cannula and the distal opening of the external jejunostomy tube allows for **fluoroscopic assistance** if required.

- Included in this system is a **fitted guidewire**, the exact length of the inner cannula, to use if needed for more rigid placement guidance.

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Conclusion

This new technology has the potential to optimize patient nutrition as well as minimize common complications of enteral nutrition access. The proposed device can be easily used by any qualified medical staff.