One step low profile percutaneous endoscopic gastrostomy tube

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Stanford physicians have developed an innovative, one-size-fits-all, low profile percutaneous endoscopic gastronomy (PEG) tube that can be placed initially at the time of need. PEG tubes are indispensable medical tools for feeding patients who cannot ingest nutrients orally. Unfortunately, current PEG tubes have many shortcomings that need addressing. Traditional PEG tubes are cumbersome and can be perceived as unsightly by patients which can cause psychological trauma. Furthermore, delirious patients with traditional PEG tubes require restraints, as these long tubes can be accidently pulled out and potentially lead to severe injuries that necessitate emergency surgeries. Low profile PEG tubes can address many of these issues. Unfortunately, current low profile PEG tubes either cannot be placed until after the placement of a traditional PEG tube or are difficult to place, requiring careful measurement of abdominal wall thickness to choose the appropriately sized tube. This novel low profile PEG tube is designed for easy placement and removal. It features customizable length, eliminating the stocking requirements and associated costs of purchasing differently sized PEG tubes, and can be placed initially when needed without requiring the previous placement of traditional long PEG tubes.

Stage of Development
Proof-of-Concept

Applications

- Enteral nutrition
- Percutaneous endoscopic gastronomy
Advantages

- Low profile
- Can be placed initially
- Easy placement and removal
- One-size-fits-all

Patents

- Published Application: WO2022271694

Innovators

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