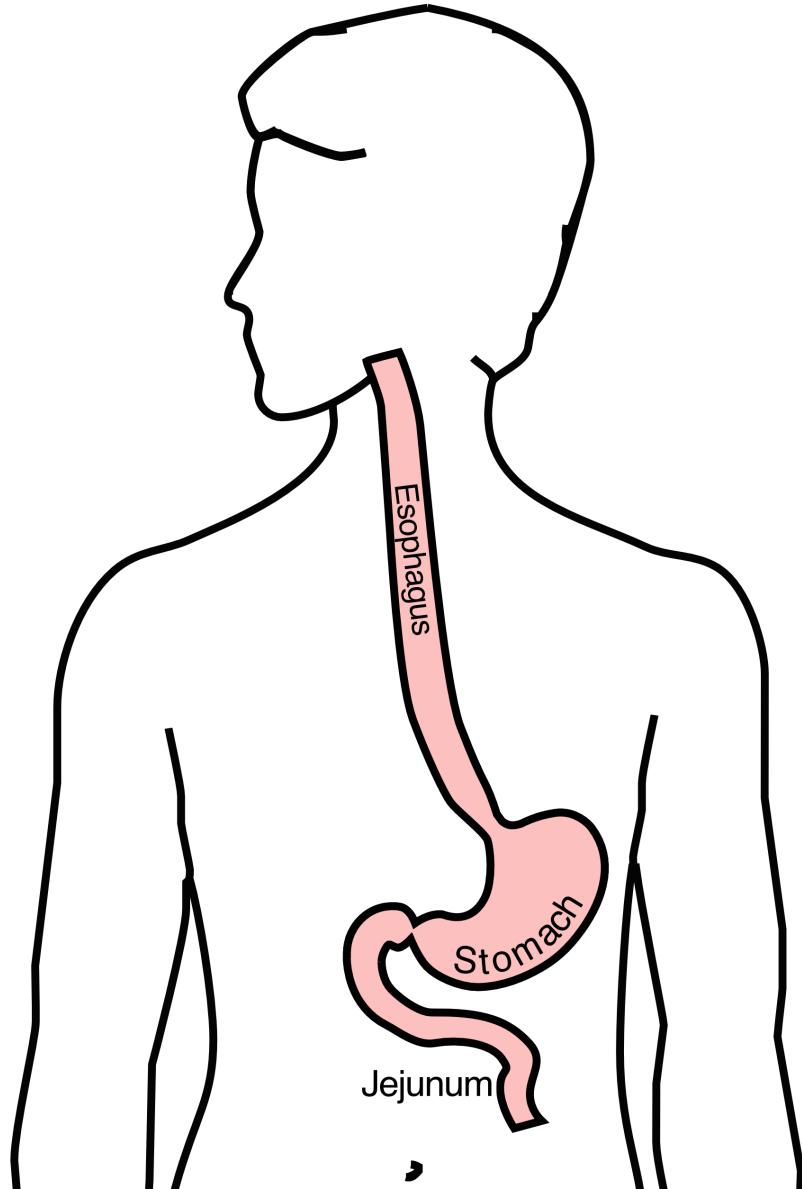


Nutrition

GI Tract Anatomy

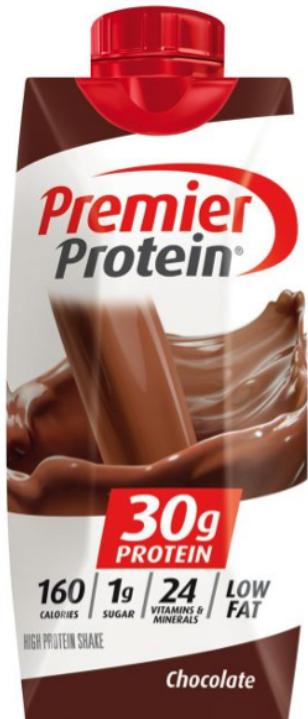
- Esophagus delivers food to the stomach
- Stomach stores food and delivers it in small quantities to the jejunum
- Jejunum begins digestion in the small intestines



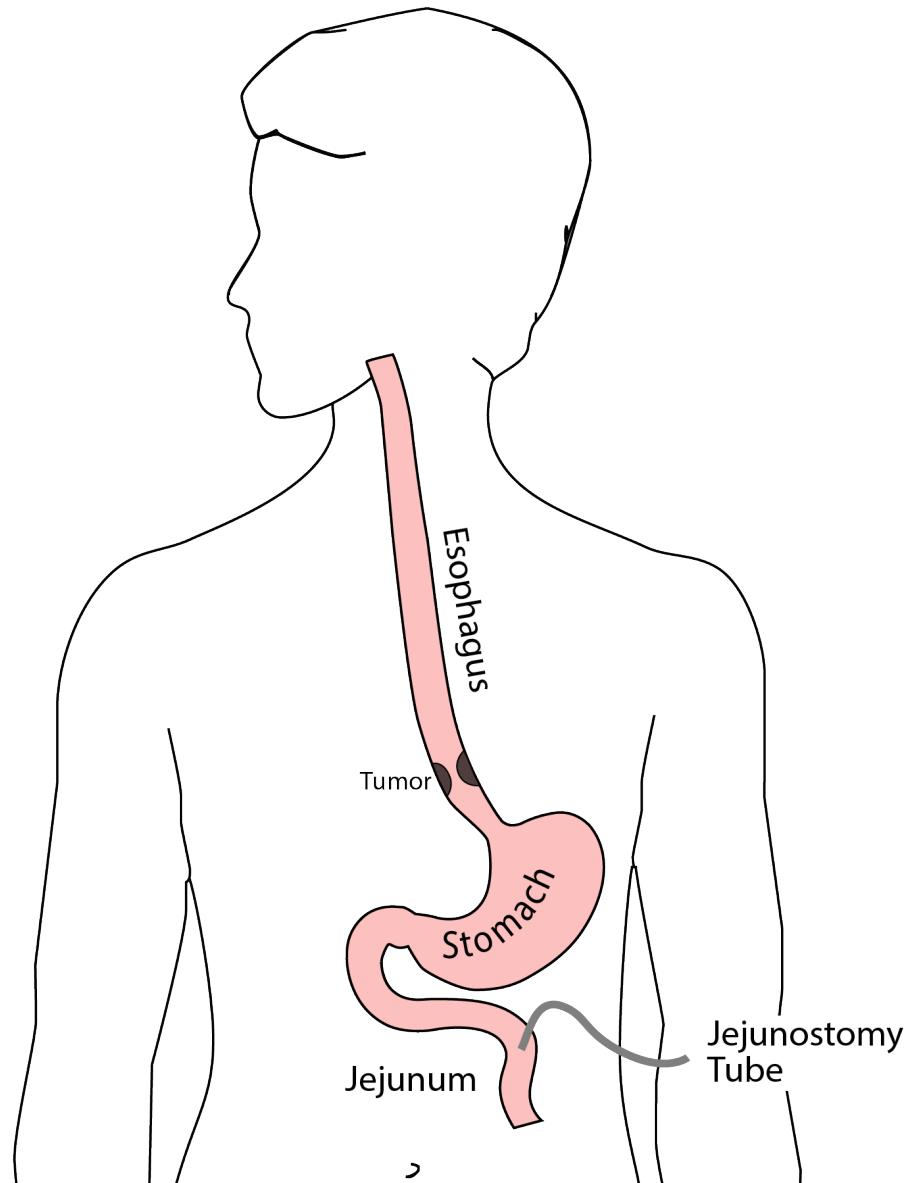
Protein Needs

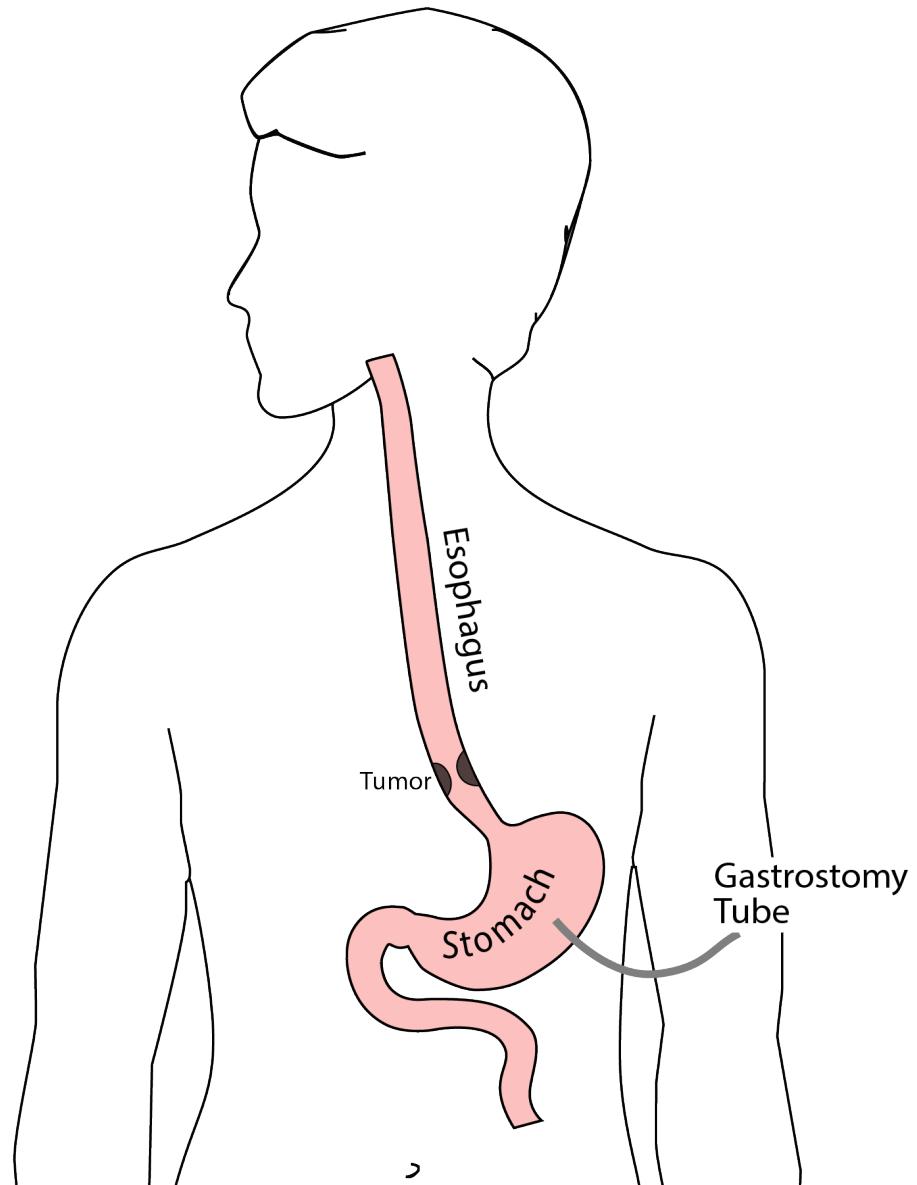
- Men: Average 75 grams/day
- Women: Average 60 grams/day

Protein Shakes provide protein with minimal sugar



Feeding Tubes





Gastrostomy Tube

Feeding Gastrostomy

- Feeding with a syringe several times per day.
- Tube can be hidden underneath clothing
- Tube does not interfere with eating by mouth

- Removed easily in the office when no longer needed

Gastrostomy Tube Methods

PEG: Tube placed by endoscopy

Laparoscopic: Tube placed surgically by laparoscopy

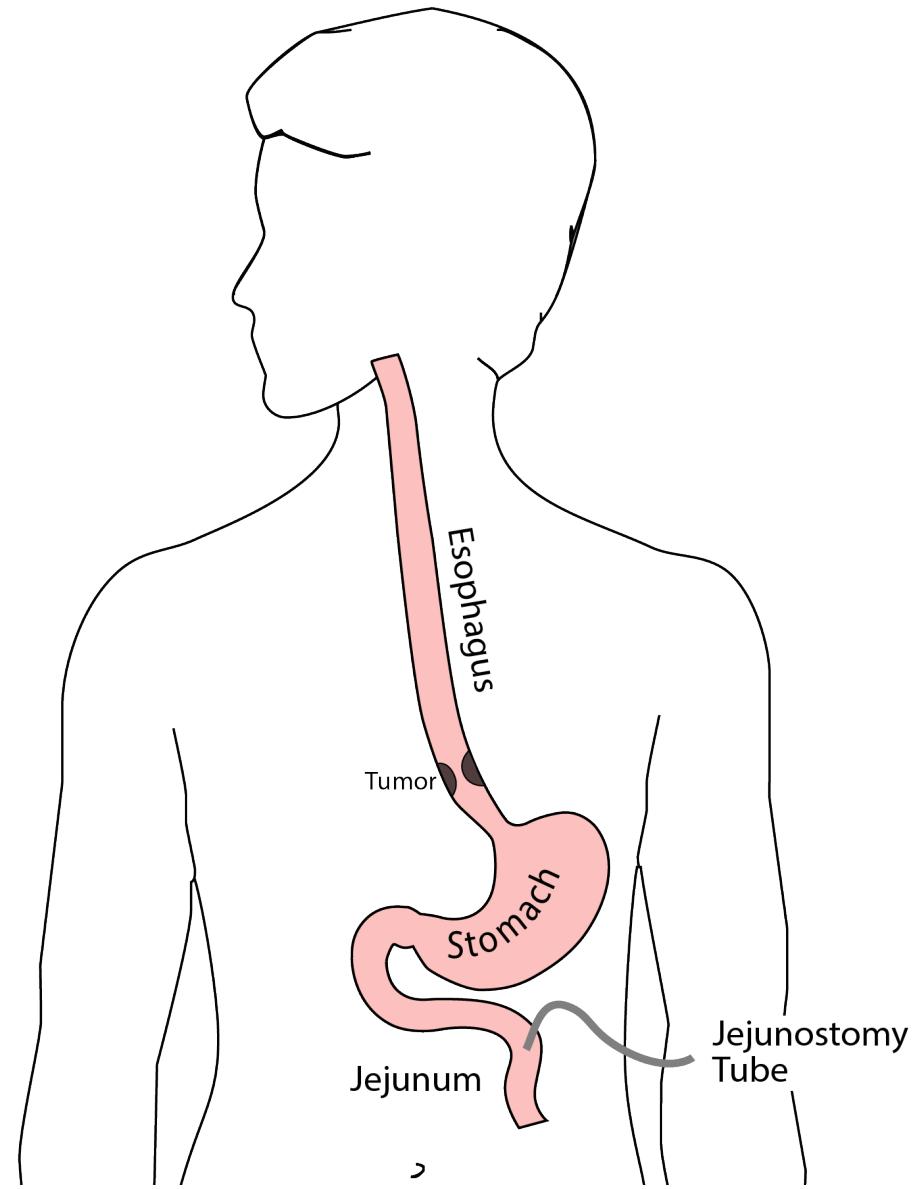
Preferred method depends upon whether esophagectomy is planned

Gastrostomy Tube

- Outpatient Placement (go home the same day)
- Central venous port can be placed at the same time (if needed)

Jejunostomy Tube

- Nutrition to bypasses the esophagus and stomach
- Placed in small intestine
- Pump administers feedings slowly
- Feeding done at night



Jejunostomy Typical Regimen

- Jejunostomy tube feeds for 16 hours (6pm-10am)
 - Men: $75\text{mL}/\text{hour} \times 16 \text{ hours} = 5 \text{ cartons}$
 - Women: $60\text{mL}/\text{hour} \times 16 \text{ hours} = 4 \text{ cartons}$
- Water 240ml (8oz) via syringe 4x/day

Hospital nurses will teach use of the feeding tube

Jejunostomy Feeds with Diabetes

Jejunostomy feedings elevate blood sugars

- Insulin may be required along with feeds

Typical Pattern for tube feeds

- Feeds run via pump from 6pm to 10am
- Insulin at 6pm (70/30 insulin)
- Insulin at Midnight (70/30 insulin)
- No insulin if tube feedings are not run

Jejunostomy Video

A video is available to help become familiar with the feeding jejunostomy

