

# Esophagus, Gastroesophageal Junction, including Cardia, Carcinoma (resection specimens)

**Definitions:** Tumors that are centered within the proximal 5 cm of the stomach and which extend into the EGJ or esophagus are included here as **EGJ tumors**. Tumors that arise within the proximal 5 cm of the stomach and which do not extent into the EGJ are staged as gastric carcinoma. For carcinomas removed by EMR, a separate template has been developed.

**Procedure:**

- Esophagectomy
- Esophagogastrectomy

**Tumor site and relationship to the gastroesophageal junction:**

- Esophagus
  - upper
  - Middle
  - lower
- Gastroesophageal Junction
  - Straddling the junction
  - Mostly below the junction
  - Mostly above the junction

**Size (greatest dimension):** \_\_\_ cm

**Type of carcinoma:**

- Squamous cell carcinoma typical
- Adenocarcinoma arising in Barrett's mucosa
- Adenocarcinoma not arising in Barrett's mucosa
- Adenocarcinoma, cannot tell if Barrett's or not
- Other

**Grade (Differentiation) from the AJCC Manual, 7<sup>th</sup> edition.**

- Cannot be assessed (many treated carcinomas will be in this category)
- Well-differentiated
- Moderately-differentiated
- Poorly-differentiated
- Undifferentiated

**Depth of invasion (microscopic tumor extension):** *Remember in Barrett's carcinomas there is likely to be a duplicated muscularis mucosae. The original muscularis mucosae will be the deeper one*

Lamina propria  
Muscularis mucosae  
Submucosa  
Muscularis propria  
Adventitia or perigastric adipose tissue  
Adjacent structures

**Has it been treated preoperatively with chemo/radiation therapy?** Yes      no

**Neoadjuvant therapy effect is present with**

- no residual tumor (grade 0: complete response)
- marked response (grade 1: single cells or rare small groups)
- moderate response (grade 2: more than single cells or rare small groups)
- no definite response identified (grade 3, poor or no response)

**Lymphovascular invasion:** Yes      Not identified

**Number of positive lymph nodes /total number of nodes examined:**      \_\_\_/\_\_\_

**Number of lymph nodes with scar but without carcinoma cells post treatment:**

**Distant metastasis:** Yes (Specify site)      Unknown

**Resection margin involved:** Yes (specify the margin)      No

**pTNM by the AJCC Staging Manual, 7<sup>th</sup> Edition, 2010**

**T Stage:**

- T0 No evidence of primary tumor (totally eradicated tumor with positive nodes)
- T1 Tumor invades lamina propria, muscularis mucosae or submucosa
  - T1a Tumor invades lamina propria or muscularis mucosae (for Barrett's carcinomas, this is the deep or original muscularis mucosae)
  - T1b Tumor invades submucosa
- T2 Tumor invades muscularis propria
- T3 Tumor invades adventitia or perigastric adipose tissue
- T4 Tumor invades adjacent structures

**N Stage** include any nodes from the periesophageal cervical nodes to the celiac nodes.

- N0 No regional lymph node metastasis
- N1 Metastases in 1-2 regional lymph nodes
- N2 Metastases in 3-6 regional lymph nodes
- N3 Metastases in 7 or more regional lymph nodes

**M Stage**

- M1 Distant metastasis