

## REPORTING PROFORMA FOR RESECTIONS OF OESOPHAGEAL TUMOURS

### 1. PATIENT DEMOGRAPHICS

Name ..... Age/Sex..... Case no ..... Path No.....  
 Date & Time of receipt ..... Date & Time of Grossing..... Grossed by.....  
 Referring Consultant.....

### 2. MACROSCOPIC FEATURES

- a. **Specimen Type:** Partial esophagectomy/Total esophagectomy/ Esophagogastrectomy
- b. **Length of specimen:** Along oesophagus (.....cm), Along lesser curvature of stomach(.....cms), Along greater curvature of stomach(.....cms)
- c. **Tumor identified:** Yes/No/ Uncertain [ If “No” or “Uncertain”, please specify .....
- d. **Tumor/Lesion location:** Gastro-oesophageal junction/Lower third/Middle third/Upper third oesophagus
- e. **Relationship of Tumor to Gastro-Oesophageal Junction(GEJ) :** Distance of tumor epicentre from esophago gastric junction ..... cms and specify:
  - Tumor is entirely located within the tubular oesophagus and does not involve the GEJ
  - Tumor epicentre lies in the distal oesophagus *and* tumor involves the GEJ
  - Tumor epicentre is 2 cm or less into proximal stomach or cardia and tumor involves GEJ
  - Tumor epicentre is 2 cm or less into proximal stomach or cardia and tumor does not involves GEJ
  - Cannot be assessed
- f. **Tumor size:** Greatest dimension in length (centimeters): \_\_\_ cm  
 Additional dimensions (centimeters): \_\_\_ x \_\_\_ cm  
 Cannot be determined (explain): \_\_\_\_\_
- g. **Tumor gross appearance:** Exophytic/Polypoidal/Ulceroproliferative/Ulceroinfiltrative/ Constrictive
- h. **Tumor invasion:** Mucosa/Submucosa/Muscularis propria/Adventitia
- i. **Resection margins**

Margin type	Involvement by tumor		Distance from tumor (cm)
<b>Proximal</b>	Yes	No	
<b>Distal</b>	Yes	No	
<b>Circumferential(CRM)</b>	Yes	No	

- j. **Adjacent oesophagus:** Polyps/ Ulcers/ Salmon pink Patch/Unremarkable

#### Lymph nodes

	Site of node	Node/FFT	No. of nodes	Size of largest node (cm)
Dissected from specimen	Along the oesophagus	Node/FFT		
	At G-E junction	Node/FFT		
	Along lesser curve	Node/FFT		
	Along greater curve	Node/FFT		
Separately sent	Sampled separately as per station labelled	Node/FFT		

**BLOCK IDENTIFICATION:** Tumour (.....), Resection margins[Proximal, Distal & CRM (.....)], GE Junction(.....), Adjacent Oesophagus/ stomach (.....)Lymph nodes(.....)

### 3. MICROSCOPIC FEATURES

#### a. Histological type

- Squamous carcinoma       Adenocarcinoma       Adenosquamous carcinoma   
 Undifferentiated carcinoma       Small cell neuroendocrine carcinoma   
 Large cell neuroendocrine carcinoma       Sarcomatoid carcinoma       Others, specify

#### b. Histologic Grade

- G1: Well differentiated
- G2: Moderately differentiated
- G3: Poorly differentiated, undifferentiated
- GX: Cannot be assessed

#### c. Tumor Extension

- No evidence of primary tumor(pT0)
- High-grade dysplasia/carcinoma in situ, defined as malignant cells confined to the epithelium by the basement membrane(pTis)
- Tumor invades the lamina propria/ muscularis mucosae (pT1a)
- Tumor invades the submucosa(pT1b)
- Tumor invades the muscularis propria(pT2)
- Tumor invades adventitia(pT3)
- Tumor invades adjacent structures/organs ((pT4a/b)
- Tumor Cannot be assessed(pTx)

#### d. Lymphovascular/ Perineural invasion

Present       Absent       Cannot be assessed

#### e. Margins

Excision complete (R0)      Yes       No       Cannot be assessed

*If excision not complete:*

Microscopic involvement (R1)      Yes       No

Macroscopic involvement (R2)      Yes       No

Margin type	Involved by invasive carcinoma, dysplasia, and intestinal metaplasia		Distance from tumor (mm/cm)
Proximal	Yes	No	
Distal	Yes	No	
Circumferential(CRM)*	Yes	No	

\*Circumferential margin to be evaluated at level of highest penetration by tumour & considered to be involved if < 1mm away from inked margin

#### f. Response to neo-adjuvant therapy (3/5-tiered TRG system.....To specify which system is being used)

- Tumour regression grade (TRG) should be recorded using either **Mandard(5 Tier system)** or **Modified Ryan Scheme(3 Tier System)**

#### g.Lymph node involvement

- Total Number of Lymph Nodes Examined (Both from Main resection specimen & Separately labelled specimen(s): \_\_\_\_\_
- Number of Lymph Nodes Involved: \_\_\_\_\_
- pN0:      No regional lymph node metastasis
- pN1:      Metastasis in one or two regional lymph nodes
- pN2:      Metastasis in three to six regional lymph nodes
- pN3:      Metastasis in seven or more regional lymph nodes

**4. ADDITIONAL PATHOLOGIC FINDINGS**

- None identified
- Intestinal metaplasia (Barrett's esophagus)
- Low-grade/ High-grade squamous dysplasia
- Low-grade/ High-grade glandular dysplasia
- Esophagitis (type): \_\_\_\_\_
- Gastritis (type): \_\_\_\_\_
- Other (specify): \_\_\_\_\_

**6. ANCILLARY STUDIES**

**Immunohistochemical markers** :  Performed  Not Performed

If performed, record positive, negative and equivocal markers, interpretation and conclusions

**7. IMPRESSION**

- **Histologic type**
  - **Pathology stage (8<sup>th</sup> AJCC staging system): p/ypTNM**
  - **Complete resection at all margins**      Yes (R0)       No (R1  R2 )
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**Date of Reporting..... Consultant.....**