### Gastric Cancer Histopathology Reporting Proforma

Mandatory questions (i.e. protocol standards) are in bold (e.g. S1.01).

#### S1.01 Identification

<table>
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<tr>
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<tbody>
<tr>
<td>Family name</td>
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<tr>
<td>Given name(s)</td>
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<tr>
<td>Date of birth</td>
<td>DD – MM – YYYY</td>
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**G1.01 Patient identifiers**
e.g. MRN, IHI or NHI (please indicate which)

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**S1.02 Accession number**

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<tr>
<td>Requesting doctor - name and contact details</td>
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#### Clinical details

**S1.03 Principal clinician**

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**S1.04 Surgeon/proceduralist name and contact details**

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**S1.05 Tumour site (location)**

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**S1.06 Type of operation**

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**S1.07 Preoperative therapy**

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**S1.08 Involvement of adjacent organs**

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**S1.09 Distant metastases**

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**S1.10 Surgeon’s opinion – residual tumour**

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**G1.02 Other comments**

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</table>
Macroscopic findings

S2.03 Type of resection
- Oesophago-gastrectomy
- Total gastrectomy
- Subtotal gastrectomy (proximal)
- Subtotal gastrectomy (distal)
- Other (specify)

S2.05 Specimen dimensions
- Length of stomach greater curve
- mm
- Length of stomach lesser curve
- mm
- Length of oesophagus
- mm
- Length of duodenum
- mm

S2.06 Macroscopic tumour site (location)
(tick all that apply)
- Cardia
- Fundus
- Antrum
- Body
- Pylorus
- Greater curve
- Lesser curve
- Anterior wall
- Posterior wall

S2.07 Maximum tumour diameter
- mm

S2.08 Macroscopic tumour type
- Early gastric cancer pT1 or pT2:
  - Type 0-I Protruded
  - Type 0-IIa Elevated
  - Type 0-IIb Flat
  - Type 0-III Excavated
  - Type 0-IIc Depressed
- Advanced gastric cancer pT3 or pT4:
  - Type I Polypoid
  - Type II Fungating
  - Type III Ulcerated
  - Type IV Infiltrative

S2.09 Distance from tumour to nearest proximal or distal margin (cut end)
- mm

S2.10 Distance from tumour to the circumferential resection margin (proximal/cardia tumours)
- mm
- Not applicable

S2.11 Serosal appearance

S2.12 Nature and site of blocks

G2.03 Other relevant information and comments
Microscopic findings

S3.01 Tumour site (location) (tick all that apply)
- Cardia
- Fundus
- Antrum
- Body
- Pylorus
- Greater curve
- Lesser curve
- Anterior wall
- Posterior wall

S3.02 WHO Histological tumour type
- Tubular adenocarcinoma
- Papillary adenocarcinoma
- Mucinous adenocarcinoma
- (require more than 50% of the tumour to be mucinous)
- Poorly cohesive carcinomas, including signet-ring cell carcinoma
- Mixed carcinoma
- Other (specify)

S3.03 Lauren histological tumour type
- Diffuse
- Intestinal
- Mixed
- Indeterminate (Undifferentiated)
- Other (specify)

S3.04 Histological grade
- Grade X
- Grade 1
- Grade 2
- Grade 3
- Grade 4

G3.01 Growth pattern
- Expanding
- Infiltrating

S3.05 Maximal dimension of tumour

S3.06 Level of invasion
- Mucosa /lamina propria
- Muscularis mucosa
- Submucosa
- Muscularis propria
- Subserosal connective tissue

S3.07 Serosal surface involvement
- Absent
- Present

S3.08 Vascular space invasion:
- Small vessels (lymphatic and capillary)
- Absent
- Present

- Large vessels (vein and artery)
- Absent
- Present

- Perineural growth
- Absent
- Present

S3.09 Degree of regression after preoperative chemoradiation
- 0 (complete response)
- 1 (moderate response)
- 2 (minimal response)
- 3 (poor response)
- Not applicable

S3.10 Distance of tumour from margins
- From proximal
- mm

- From distal
- mm

- From radial/circumferential (proximal/cardia tumours)
- mm

S3.11 Number of involved regional nodes/total number of regional nodes (pN)

S3.12 Number of involved non-regional lymph nodes/total number of non-regional lymph nodes (pM)

S3.13 Metastatic sites
- Absent
- Present
- Specify sites

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**S3.14 Other pathologies:**

- Gastritis
  - Absent
  - Present
- Helicobacter infection
  - Absent
  - Present
- Intestinal metaplasia
  - Absent
  - Present
- Dyplasia
  - Absent
  - Present
- Does it involve a margin?
  - No
  - Yes
- Gastric polyps
  - Absent
  - Present
- Barrett’s mucosa
  - Absent
  - Present

**Other pathologies (specify):**

**Ancillary test findings**

**G4.01 Ancillary tests**

<table>
<thead>
<tr>
<th>Test 1</th>
<th>Performing lab</th>
<th>Result</th>
<th>Conclusion</th>
<th>Person responsible for reporting</th>
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</thead>
</table>

**Synthesis and overview**

**S5.01 Tumour stage & stage grouping**

(see p5)

<table>
<thead>
<tr>
<th>T</th>
<th>N</th>
<th>M</th>
</tr>
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</table>

**S5.02 Year of publication and edition of cancer staging system**

**G5.01 Diagnostic summary**

Include: Specimen type; Tumour site; Histologic type; Involved or close margins with measurements; Pathologic stage and stage grouping

**G5.02 Other relevant comments**

**Worksheet prepared by:**

**On:** DD – MM – YYYY
# Tumour Stage

**Primary Tumour (T)**

- **TX** Primary tumour cannot be assessed
- **T0** No evidence of primary tumour
- **Tis** Carcinoma in situ: intraepithelial tumour without invasion of the lamina propria
- **T1** Tumour invades lamina propria, muscularis mucosae, or submucosa
- **T1a** Tumour invades lamina propria or muscularis mucosae
- **T1b** Tumour invades submucosa
- **T2** Tumour invades muscularis propria*
- **T3** Tumour penetrates subserosal connective tissue without invasion of visceral peritoneum or adjacent structures**,***
- **T4** Tumour invades serosa (visceral peritoneum) or adjacent structures**,***
- **T4a** Tumour invades serosa (visceral peritoneum)
- **T4b** Tumour invades adjacent structures

* Note: A tumour may penetrate the muscularis propria with extension into the gastrohepatic ligaments, or into the greater or lesser omentum, without perforation of the visceral peritoneum covering these structures. In this case, the tumour is classified as T3. If there is perforation of the visceral peritoneum covering the gastric ligaments or the omentum, the tumour should be classified T4.

**Regional Lymph Nodes (N)**

- **NX** Regional lymph node(s) cannot be assessed
- **N0** No regional lymph node metastasis*
- **N1** Metastasis in 1-2 regional lymph nodes
- **N2** Metastasis in 3-6 regional lymph nodes
- **N3** Metastasis in seven or more regional lymph nodes
- **N3a** Metastasis in 7-15 regional lymph nodes
- **N3b** Metastasis in 16 or more regional lymph nodes

* Note: A designation of pN0 should be used if all examined lymph nodes are negative, regardless of the total number removed and examined.

**Distant Metastasis (M)**

- **M0** No distant metastasis
- **M1** Distant metastasis

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# Tumour Stage Grouping

**Anatomic Stage/Prognostic Groups**

| Stage 0 | Tis | N0 | M0 |
| Stage IA | T1 | N0 | M0 |
| Stage IB | T2 | N0 | M0 |
| Stage IIA | T3 | N0 | M0 |
| Stage IIB | T4a | N0 | M0 |
| Stage IIIA | T4a | N1 | M0 |
| Stage IIIB | T4b | N2 | M0 |
| Stage IIIC | T4b | N3 | M0 |
| Stage IV | Any T | Any N | M1 |