

A guide to Gastric Cancer Histopathology Reporting



Clinical details		Microscopic findings	
S1.02	Pathology accession number	Text	
S1.03	Principal clinician	Text	
S1.04	Surgeon/proceduralist name and contact details	Text	
S1.05	Tumour site (location)	proximal 1/3 middle 1/3 distal 1/3	Cardia Fundus Antrum Body Pylorus Greater curve Lesser curve Anterior wall Posterior wall
S1.06	Type of operation	See p2	
S1.07	Preoperative therapy	Nil Pre-op chemo. Pre-op radiother. Pre-op chem/rad Not stated	S3.02 WHO Histological tumour type See p2
S1.08	Involvement of adjacent organs	Not stated Absent Present	S3.03 Lauren Histological tumour type Diffuse Intestinal Mixed Indeterminate Other(specify)
	If present, it is ...	Pancreas Spleen Liver Other (specify)	S3.04 Histological grade Grade X Grade 1 Grade 2 Grade 3 Grade 4
S1.09	Distant metastases	Not stated Absent Present	G3.01 Growth pattern Expanding Infiltrating
	If present, specify sites	Text	S3.05 Maximal dimension of tumour ___ mm
S1.10	Surgeon's opinion – residual tumour	Not stated Text	S3.06 Level of invasion See p2
G1.02	Comments	Text	S3.07 Serosal surface involvement Absent Present
Macroscopic findings			S3.08 Vascular space invasion: Small vessels (lymphatic and capillary) Large vessels (vein and artery) Perineural growth
S2.03	Type of resection	See p2	Absent Present Absent Present
S2.05	Specimen dimensions:		S3.09 Degree of regression after preoperative chemoradiation 0 (complete) 1 (moderate) 2 (minimal) 3 (poor) Not applicable
	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	S3.10 Distance of tumour from margins: From proximal From distal From radial/circumferential (proximal/cardia tumours)
S2.07	Maximum tumour diameter	___ mm	___ mm ___ mm ___ mm
S2.08	Macroscopic tumour type	See p2	S3.11 Number of involved regional nodes/total number of regional nodes (pN) ___/___
S2.09	Distance from tumour to nearest proximal or distal margin (cut end)	___ mm	S3.12 Number of involved non-regional lymph nodes/total number of non-regional lymph nodes (pM) ___/___
S2.10	Distance from tumour to the circumferential resection margin (proximal/cardia tumours)	___ mm Not applicable	S3.13 Metastatic sites Absent Present If present, specify site Text
S2.11	Serosal appearance	Text	S3.14 Other pathologies: Gastritis Helicobacter infection
S2.12	Nature and site of blocks	Text	Absent Present Absent Present
G2.03	Other relevant information and comments	Text	

Microscopic findings (cont.)

S3.14	Intestinal metaplasia	Absent Present
	Dysplasia	Absent Present
	If present, does it involve a margin?	Yes No
	Gastric polyps	Absent Present
	Barrett's mucosa	Absent Present
	Other pathologies	Text
G3.02	Other microscopic comment	Text

Ancillary test findings

G4.01	For each ancillary test, record	Test name Performing lab Result Conclusion Reporting person
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Synthesis and overview

S5.01	Tumour stage and stage grouping	See p2
S5.02	Year of publication & edition of cancer staging system	Text
G5.01	Diagnostic summary	See p2
G5.02	Other relevant comments	Text

NOTES

S1.06 Type of operation

S2.03 Type of resection

- Oesophago-gastrectomy
- Total gastrectomy
- Subtotal gastrectomy (proximal)
- Subtotal gastrectomy (distal)
- Other (specify)

S2.08 Macroscopic tumour type

Early gastric cancer (pT1/pT2) Advanced gastric cancer (pT3/pT4)

- | | |
|------------------------|------------------------|
| • Type 0-I Protruded | • Type I Polypoid |
| • Type 0-IIa Elevated | • Type II Fungating |
| • Type 0-IIb Flat | • Type III Ulcerated |
| • Type 0-III Excavated | • Type IV Infiltrative |
| • Type 0-IIc Depressed | |

S3.02 WHO Histologic 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)

S3.06 Level of invasion

- Mucosa /lamina propria
- Muscularis mucosa
- Submucosa
- Muscularis propria
- Subserosal connective tissue

G5.01 Diagnostic summary

Include: Specimen type (S2.03); Tumour site (S3.01); Histologic type (S3.02 WHO and S3.03 Lauren); Involved or close margins with measurements (S3.10); Pathologic stage and stage grouping (S5.01)

S5.01 Stage & stage group##

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.

** The adjacent structures of the stomach include the spleen, transverse colon, liver, diaphragm, pancreas, abdominal wall, adrenal gland, kidney, small intestine and retroperitoneum.

*** Intramural extension to the duodenum or esophagus is classified by the depth of the greatest invasion in any of these sites, including the stomach.

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

Anatomic Stage/Prognostic Groups

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

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