

Colorectal Cancer Structured Pathology Reporting Proforma



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

S1.01 Identification

Family name

Sex

Male

Female

Intersex/indeterminate

Given name(s)

Date of birth

DD – MM – YYYY

G1.01 Patient identifiers

e.g. MRN, IHI or NHI (please indicate which)

Date of surgical procedure

DD – MM – YYYY

G1.02 Accession number

Clinical details

S1.01 Identification and contact details of requesting doctor

S1.01 Relevant clinical information (per request form)

S1.02 Principal clinician

S1.03 Operating surgeon

Contact address

Phone (mobile) number

S1.04 Patient presentation at surgery

Perforation:

Absent

Not stated

Present

Nature of perforation:

Through tumour prior to surgery

Through tumour during surgery

Away from tumour

Not stated

Clinical obstruction:

Absent

Present

Not stated

S1.05 Tumour location

Caecum

Ascending colon

Hepatic flexure

Transverse colon

Splenic flexure

Descending colon

Sigmoid colon

Rectosigmoid junction

Rectum

Not stated

For synchronous tumours indicate each other site:

S1.06 Distance from the anal verge (for rectal tumours only)

 cm

Not stated

S1.07 Type of operation

- Right hemicolectomy
- Extended right hemicolectomy
- Transverse colectomy
- Left hemicolectomy
- Anterior resection

- High
- Low
- Ultralow

- Abdominoperineal resection
- Proctocolectomy
- Total colectomy with ileorectal anastomosis
- Hartmann's procedure
- Other procedure(s):

Not stated

S1.08 Pre-operative radiotherapy

- No
- Yes
 - Short course
 - Long course
- Not stated

S1.09 Surgeon's opinion on the existence of local residual cancer postsurgery

Not stated

S1.10 Involvement of adjacent organs

Not stated

S1.11 Presence of distant metastases

- No
- Yes

Details:

Not stated

G1.03 Any other relevant information

Macroscopic findings

G2.02 Images of the gross specimen

S2.02 Nature and site of blocks

S2.04 Specimen length

S2.05 Tumour site

- Caecum
- Ascending colon
- Hepatic flexure
- Transverse colon
- Splenic flexure
- Descending colon
- Sigmoid colon
- Rectosigmoid junction
- Rectum

S2.06 Maximum tumour diameter

S2.07 Distance of tumour to the nearer proximal or distal 'cut end'

S2.08 Distance of tumour to the nonperitonealised circumferential margin

S2.09 Tumour perforation

- Absent
- Present

S2.10 Relationship to anterior peritoneal reflection (rectal tumours)

- Entirely above
- Astride
- Entirely below

S2.11 Intactness of mesorectum (rectal resections)

- Incomplete
- Nearly complete
- Complete

S2.12 Macroscopic comments

Microscopic findings

S3.01 Histological tumour type

- Adenocarcinoma
- Mucinous adenocarcinoma
- Signet-ring cell carcinoma
- Small cell carcinoma
- Squamous cell carcinoma
- Adenosquamous carcinoma
- Medullary carcinoma
- Undifferentiated carcinoma

S3.02 Histological grade

- Low grade
- High grade

S3.03 Maximum degree of local invasion into or through the bowel wall

- pT1
- pT2
- pT3
- pT4
 - a
 - b

S3.04 Involvement of the proximal or distal resection margins

- Involved
 - Distal
 - Proximal

Not involved

Clearance (if the margin is less than 10 mm)

mm

S3.05 Minimum distance between tumour and the nonperitonealised circumferential margin (rectal tumours)

mm

S3.06 Minimum distance between tumour and the nonperitonealised circumferential margin (colon tumours)

mm

S3.07 Lymph nodes

Total number:

Number positive:

Isolated extra-mural tumour deposits:

- Absent
- Present

G3.01 Status of apical node

S3.08 Venous and small vessel invasion

Intramural vein invasion

- Not identified
- Suspicious
- Present

Extramural vein invasion

- Not identified
- Suspicious
- Present

Small vessel invasion

- Not identified
- Suspicious
- Present
- Present and extensive

G3.02 Perineural invasion

- Not identified
- Present
- Present and extensive

S3.09 Distant metastases

- Absent
- Present Site(s):

S3.10 Relevant coexistent pathological abnormalities

Polyps (describe type, number, etc)

Ulcerative colitis (with/without dysplasia)

Crohn's disease (with/without dysplasia)

Other

S3.11 Microscopic residual tumour status (completeness of resection)

S3.12 Response to neoadjuvant therapy

Grade 0 (complete response)
No viable cancer cells

Grade 1 (moderate response)
Single cells or small groups of cancer cells

Grade 2 (minimal response)
Residual cancer outgrown by fibrosis

Grade 3 (poor response)
Minimal or no tumour kill; extensive residual cancer

G3.03 Microscopic comments

Ancillary test findings

G4.01 Mismatch repair enzymes

	MLH-1	PMS-2	MSH-2	MSH-6
Not tested				
Normal staining				
Loss of staining				

Comments

Microsatellite instability (MSI):

Unstable

Stable

Not tested

Lab performing test and report number:

Comments

BRAF (V600E mutation):

Mutated

Wild type

Not tested

Lab performing test and report number:

Comments

G4.02 *KRAS* gene mutation (codons 12 and 13):

Mutated

Wild type

Not tested

Lab performing test and report number:

Comments

Synthesis and overview

S5.01 Tumour stage**

T

N

M

Stage grouping

S5.02 Residual tumour status

R0

R1

R2

G5.01 Diagnostic summary

specimen type, tumour site, tumour type,
tumour stage, completeness of excision

S5.03 Comments

Worksheet prepared by:

On:

TNM definitions**

T classification Primary tumour

- TX Primary tumour cannot be assessed
- T0 No evidence of primary tumour
- Tis Carcinoma in situ: intraepithelial or invasion of lamina propria
- T1 Tumour invades submucosa
- T2 Tumour invades muscularis propria
- T3 Tumour invades through the muscularis propria into pericolorectal tissues
- T4a Tumour penetrates to the surface of the visceral peritoneum
- T4b Tumour directly invades or is adherent to other organs or structures

N classification Regional lymph nodes

- NX Regional lymph nodes cannot be assessed
- N0 No regional lymph node metastasis
- N1 Metastasis in 1-3 regional lymph nodes
- N1a Metastasis in one regional lymph node
- N1b Metastasis in 2-3 regional lymph nodes
- N1c Tumour deposit(s) in the subserosa, mesentery, or nonperitonealised pericolic or perirectal tissues without regional nodal metastasis
- N2 Metastasis in 4 or more regional lymph nodes
- N2a Metastasis in 4-6 regional lymph nodes
- N2b Metastasis in 7 or more regional lymph nodes

M classification Distant metastasis

- M0 No distant metastasis
- M1 Distant metastasis
- M1a Metastasis confined to one organ or site (e.g., liver, lung, ovary, nonregional node)
- M1b Metastases in more than one organ/site or the peritoneum

Stage Grouping

Stage	T	N	M
0	Tis	N0	M0
I	T1	N0	M0
	T2	N0	M0
IIA	T3	N0	M0
IIB	T4a	N0	M0
IIC	T4b	N0	M0
IIIA	T1-T2	N1/N1c	M0
	T1	N2a	M0
IIIB	T3-T4a	N1/N1c	M0
	T2-T3	N2a	M0
	T1-T2	N2b	M0
IIIC	T4a	N2a	M0
	T3-T4a	N2b	M0
	T4b	N1-N2	M0
IVA	Any T	Any N	M1a
IVB	Any T	Any N	M1b

** Used with the permission of the American Joint Committee on Cancer (AJCC), Chicago, Illinois. The original source for this material is the AJCC Cancer Staging Manual, Seventh Edition (2010) published by Springer Science and Business Media LLC, www.springerlink.com.