

Colorectal Cancer Structured Pathology Reporting Proforma



Mandatory questions (i.e. protocol standards) are in bold (e.g. **S1.03**).

Family name

Given name(s)

Date of birth

Patient identifiers

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

Date of request

S1.03 Accession number

Requesting doctor - name and contact details

Operating surgeon name (if different from above) & contact details

Perforation

Absent Present

Nature of perforation:

Through tumour prior to surgery

Through tumour during surgery mobilisation

Away from tumour

Clinical obstruction:

Absent Present

Tumour location

Caecum Splenic flexure

Ascending colon Descending colon

Hepatic flexure Sigmoid colon

Transverse colon Rectosigmoid junction

Rectum

For synchronous tumours indicate

each other site (Note: Synchronous tumours should be reported separately – this identifies the presence of other synchronous tumours for which separate reports will be submitted.)

Distance from the anal verge (rectal tumours only)

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):

Pre-operative radiotherapy

No Yes

Short course

Long course

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

Involvement of adjacent organs

New primary cancer or recurrence

New primary Regional (local) recurrence

Distant metastases Details:

G1.01 Other relevant details

Macroscopic findings

S2.01 Specimen length

	mm
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S2.02 Tumour site

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

S2.03 Maximum tumour diameter

	mm
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S2.04 Distance of tumour to the nearer proximal or distal 'cut end'

	mm
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S2.05 Distance of tumour to the nonperitonealised circumferential margin

	mm
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S2.06 Tumour perforation

- Absent
- Present

S2.07 Relationship to anterior peritoneal reflection (rectal tumours)

- Entirely above
- Astride
- Entirely below

S2.08 Intactness of mesorectum (rectal resections)

- Incomplete (grade 1)
- Nearly complete (grade 2)
- Complete (grade 3)

G2.01 Peritoneum

- Tumour invades to the peritoneal surface
- Tumour has formed nodule(s) discrete from the tumour mass along the serosal surface

G2.02 Lymph nodes

Not received

Received

No. of lymph nodes per cassette

	in cassette	
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	in cassette	
--	-------------	--

	in cassette	
--	-------------	--

G2.03 Polyps

Absent

Present

Polyp summary (numbers, diameter range and gross appearance):

G2.04 Other macroscopic comments

S2.09 Nature and sites of all blocks

Microscopic findings

S3.01 Tumour type

- Adenocarcinoma, NOS
- Cribriform comedo-type adenocarcinoma
- Medullary carcinoma, NOS
- Micropapillary carcinoma
- Colloid carcinoma
- Serrated adenocarcinoma
- Signet ring cell carcinoma
- Adenosquamous carcinoma
- Spindle cell carcinoma, NOS
- Squamous cell carcinoma, NOS
- Undifferentiated carcinoma


S3.02 Histological grade

- Low grade
well and moderately differentiated
- High grade
poorly and undifferentiated

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

- pT1-Tumour invades submucosa
- pT2-Tumour invades muscularis propria
- pT3-Tumour invades through muscularis propria into pericolorectal tissues
- pT4a-Tumour penetrates to the surface of the visceral peritoneum
- pT4b-Tumour directly invades or is adherent to other organs or structures

S3.04 Involvement of the proximal or distal resection ('cut end') margins

- Involved 
- Distal
- Proximal


Not involved 

Clearance (if the margin is less than 10 mm)

mm

Clearance \geq 10 mm

S3.05 Status of the nonperitonealised circumferential margin (rectal tumours)

- Involved
- Not involved 

Microscopic clearance

mm

S3.06 Lymph node involvement

Absent Present 

SITE 1

Number of positive / Total number of nodes / nodes from this site

/

SITE 2

Number of positive / Total number of nodes / nodes from this site

/

SITE 3

Number of positive / Total number of nodes / nodes from this site

/

Isolated extra-mural tumour deposits:

Absent

Present

G3.01 Apical node involvement

Not applicable

Absent

Present

S3.07 Venous and small vessel invasion

Intramural vein invasion

Not identified

Present

Extramural vein invasion

Not identified

Present

Small vessel invasion

Not identified

Present

Present and extensive

G3.02 Perineural invasion

Not identified

Present

Present and extensive

S3.08 Histologically confirmed distant metastases

Absent

Present Site(s):

S3.09 Relevant coexistent pathological abnormalities

None noted

Ulcerative colitis

With dysplasia

Without dysplasia

Crohn's disease

With dysplasia

Without dysplasia

Other Describe:

Polyps



Polyp details (type, number, polyposis syndrome criteria met etc):

S3.10 Microscopic residual tumour status (completeness of resection)

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S3.11 Response to neoadjuvant therapy

No prior treatment

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

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 RAS gene mutation testing (KRAS exons 2,3, or 4, NRAS exons 2,3 or 4 or RAS mutation)

Mutated Wild type Not tested

Lab performing test and report number:

Comments

Empty text box for comments

Synthesis and overview

S5.01 Tumour stage (AJCC 2010)
(see adjacent table)**

T []
N []
M []
Stage group []

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

[]

S5.03 Residual tumour status

- R0: Complete resection, margins histologically negative, no residual tumour left after resection (primary tumour, regional nodes)
- R1: Incomplete resection, margins histologically involved, microscopic tumour remains after resection of gross disease (primary tumour, regional nodes)
- R2: Incomplete resection, margins macroscopically involved or gross disease remains after subtotal resection (eg primary tumour, regional nodes, or liver metastasis).

G5.01 Diagnostic summary

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

Empty text box for diagnostic summary

S5.04 New primary cancer or recurrence

- New primary
- Indeterminate
- Regional (local) recurrence ▼
- Distant metastases ▼

Empty text box for S5.04

S5.05 Overarching comments

Empty text box for S5.05

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

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