

**Northern Ireland
Bowel Cancer Screening Programme**



Histopathology Protocols

Version:	1.4
Author	Dr Maurice Loughrey, QA Lead for Histopathology
Approved By:	NI BCSP Histopathology QA Subgroup, QA Lead for Histopathology and NI BCSP QA Committee
Date Approved:	August 2021
Review Date:	August 2024

Changes to this document will be version controlled, led by the Histopathology Quality Assurance Lead for the Programme. Any updated versions will be circulated and old versions should be withdrawn.

CONTENTS

1	Introduction	3
2	Endoscopy.....	4
3	Histopathology Laboratory.....	5
4	Histopathology Databases.....	10
5	Turnaround Times.....	12
	References	13
	Appendix 1: NI BCSP Endoscopy Specimen Dataset.....	14
	Appendix 2: Colorectal Cancer Local Excision Dataset.....	15
	Appendix 3: Colorectal Cancer Resection Dataset.....	17
	Appendix 4: SNOMED CODING.....	20

Histopathology Protocols for Bowel Cancer Screening Specimens

1 Introduction

This document details the protocols which should be adhered to in relation to clinical and histopathologic handling of specimens procured from bowel cancer screening (BCS) endoscopy procedures or subsequent local or surgical excisions. As such, these protocols are relevant to BCS endoscopists, surgeons and pathologists. The content is consistent with current Royal College of Pathologists (UK) dataset for histopathological reporting of colorectal cancer¹, follows the guidance of UICC TNM 8 staging² and the 2019 World Health Organization classification of tumours of the digestive system³ and takes into consideration 2020 British Society of Gastroenterology / Public Health England / Association of Coloproctology of Great Britain and Ireland guidelines on post-polypectomy surveillance⁴. Those engaged with the programme should make every effort to adhere to these protocols and achieve the associated standards expected.

¹ The Royal College of Pathologists (2018). *Dataset for histopathological reporting of colorectal cancer*. Available from: <https://www.rcpath.org/uploads/assets/c8b61ba0-ae3f-43f1-85ffd3ab9f17cfe6/G049-Dataset-for-histopathological-reporting-of-colorectal-cancer.pdf> (Accessed September 21st, 2020).

² Brierley JD, Gospodarowicz MK and Wittekind C (eds) (2016). *UICC TNM Classification of Malignant Tumours, 8th Edition*, Wiley-Blackwell, New York.

³ Nagtegaal ID, Arends MJ, Odze RD and Lam AK (2019). Tumours of the colon and rectum. In: *Digestive System Tumours. WHO Classification of Tumours, 5th Edition*, Lokuhetty D, White V, Watanabe R and Cree IA (eds), IARC Press, Lyon, France.

⁴ Rutter MD, East J, Rees CJ, et al. British Society of Gastroenterology/Association of Coloproctology of Great Britain and Ireland/Public Health England post-polypectomy and post-colorectal cancer resection surveillance guidelines. *Gut* 2020;69:201-223.

2 Endoscopy

The screening endoscopist must complete and sign a histopathology request form to include patient demographic details (name, address, sex, date of birth), Health and Care (H&C) number, date of endoscopy, relevant clinical information and endoscopic findings, and the name and code of the responsible consultant screening colonoscopist. The request form should clearly indicate, by means of a BCS label or stamp, that this is a BCS specimen. A copy of the endoscopy report should be provided along with the request form.

The precise number and respective site(s) of polyps submitted for histology should be specified on the request form. Each individual polyp should be submitted in separate specimen pots appropriately labelled. If a polyp has been removed piecemeal or biopsied multiple times, this should be clearly indicated, to avoid mistaking as multiple polyps. If a large number of polyps are biopsied, these may be submitted with more than one polyp per pot, but in this event the polyps must be grouped regionally (rectum, sigmoid colon etc.) and the number of polyps submitted in each pot specified. This is to ensure that, in the event of an unexpected diagnosis of cancer, the anatomical site can be ascertained. The request form or report should clearly state if each polyp has been endoscopically removed or only biopsied/partially removed.

Any clinical suspicion of malignancy should be clearly indicated on the request form, in addition to any record of such suspicion within the endoscopy report. This is to minimise the risk of such important information being overlooked in the histopathology laboratory.

3 Histopathology Laboratory

3.1 Booking-in:

Following transfer to the designated histopathology laboratory, the BCS case is booked into the regional histopathology laboratory information management system (LabCentre), using the H&C number as the primary basis for patient identification. BCS source codes have been generated for each of the BCS endoscopy units and for each BCS endoscopist. These source codes should be employed for all BCS specimens, according to the appropriate source as follows:

Altnagelvin Hospital (WT)	AH/BSC
Belfast City Hospital (BT)	BCH/BSC
Craigavon Area Hospital (ST)	CAH/BSC
Daisy Hill Hospital (ST)	DHH/BSC
Downe Hospital (SET)	DH/BSC
South-West Acute Hospital (WT)	ERN/BSC
Lagan Valley Hospital (SET)	LVH/BSC
South Tyrone Hospital (ST)	STH/BSC
Tyrone County Hospital (TCH)	TCH/BSC
Ulster Hospital Dundonald (SET)	UHD/BSC
Whiteabbey Hospital (NT)	WHA/BSC

3.2 Specimen Handling:

The specimen is handled according to the routine laboratory procedure for endoscopy biopsy, polypectomy, local excision or surgical resection specimens (refer to individual laboratory SOP documentation). Such specimens are no different to those encountered in the non-screening setting. The vast majority are endoscopic specimens received in formalin. These typically fix in formalin overnight and are transferred to cassettes for processing, with the number of polyps or mucosal fragments in each specimen recorded.

Polypectomy specimens must be carefully measured macroscopically. Diminutive (≤ 5 mm) polyps should have the single largest dimension recorded. Larger polyps should be measured in three dimensions in mm. Rounding up or down of measurements (terminal

digit preference) should be avoided given the potential clinical importance of 5 mm and 10 mm cut-offs, in relation to stratification of individuals for surveillance⁴. It is recommended that these measurements are recorded in a systematic fashion, for example length x breadth x height, with an indication of any stalk present and its measurement provided separately. This approach conveys the maximum macroscopic information to the reporting pathologist.

Inking of the lesion base is not considered necessary on a routine basis as the excision margin is usually readily identifiable microscopically, often through the presence of diathermy artefact. Diminutive or small polyps may be submitted intact or bisected prior to processing. If a polyp has been bisected, this should be clearly conveyed to the reporting pathologist. Polyps with a narrow stalk should be trimmed to keep the stalk intact and orientated to allow clear visualisation of the polyp base margin, through additional levels if necessary. Polyps with a broader stalk, or sessile polyps, should be serially sectioned at 3 mm intervals, perpendicular to the base margin if this is identifiable. Given the potential clinical significance of polyp size it is important that larger polyps received intact are sectioned along their longest axis, so that the maximum dimension can be represented on the glass slide for microscopic measurement. If the longest axis within an intact polypectomy specimen is not presented on the glass slide, it is important that this information is conveyed to the reporting pathologist by the dissector to avoid potential underestimation of overall polyp size. This is particularly important around the 5 mm and 10 mm cut-offs. All tissue should be processed for histological evaluation.

3.3 Reporting:

1. Slides and request form are given to a consultant pathologist responsible for reporting BCS specimens as per laboratory rota.
2. The specimen is reported using the relevant dataset applicable to the specimen type and diagnosis. There are three datasets (Appendices 1-3), the latter two modified from the latest applicable Royal College of Pathologists (UK) datasets (4th edition, 2018)¹:
 - BCSNI endoscopic biopsy dataset
 - Colorectal cancer local excision dataset
 - Colorectal cancer resection dataset

3. The clinical summary should include an indication of the BCS nature of the specimen. The endoscopic estimate of any polyp sizes should be included in the clinical summary to allow comparative audit with the histological assessment.
4. One endoscopic biopsy dataset is completed for each specimen submitted and, in the case of a BCS-related cancer resection specimen (including cancers within polypectomy specimens), the relevant colorectal cancer dataset is completed. Freetext comments may be added as required.
5. Polyp categorisation and grading dysplasia should follow criteria of the 2019 World Health Organization classification of pre-malignant polyps³. Accurate lesion sizing requires careful macroscopic and microscopic correlation. The current available evidence indicates that the pathology size of adenomas is more accurate and reliable than the endoscopy size and as such the pathology size of polyps is used for clinical decision making if both sizes are available⁵. The aim of the reporting pathologist should be to report the single maximum dimension of the lesion. In many cases, this will equate to the maximum macroscopic dimension of the formalin-fixed lesion, if all of the specimen is lesional i.e. microscopically no normal mucosa is included.
In some polyps, large size or unusual configuration may preclude representation on the glass slide of the largest lesion axis. In such cases, if microscopy demonstrates that the entire lesion is lesional then the largest macroscopic dimension of the lesion, after formalin fixation, can be safely recorded as the maximum diameter. If the specimen includes a non-lesional component, then the maximum microscopic dimension of the lesion is recorded. If a polyp is received piecemeal, the endoscopic size only is recorded.
6. Regarding assessment of completeness of excision, in general the endoscopy impression is more important than that of pathology assessment. No useful comment can be made by pathology in the setting of a piecemeal resection specimen. For intact polypectomy specimens, the pathologist can only comment on any involvement of a diathermied margin by dysplasia (and specify high or low grade). This does not equate to incomplete excision as diathermy may destroy a zone (up to several millimetres) of normal tissue, creating the impression of incomplete excision. Therefore, the phrase 'involvement of diathermied margin by dysplasia' is preferred to 'excision incomplete' in this setting. It should be emphasised that the vast majority of diminutive polypectomy

⁵ Taylor JL, Coleman HG, Gray RT, et al. A comparison of endoscopy versus pathology sizing of colorectal adenomas and potential implications for surveillance colonoscopy. *Gastrointest Endosc* 2016;84:341-351.

specimens are not oriented and residual margin involvement by dysplasia is not assessable.

7. In the context of a complete baseline colonoscopy, with adequate bowel preparation, caecal intubation and clearance of all premalignant polyps, individuals are risk stratified for consideration of future surveillance according to the pathological findings and specifically the numbers of 'pre-malignant' and 'advanced' colorectal polyps identified. These are defined according to new British Society of Gastroenterology / Public Health England / Association of Coloproctology of Great Britain and Ireland guidelines on post-polypectomy surveillance, summarised in Table 1⁴. It is useful to provide in relevant BCS pathology reports a summary regarding the presence or absence of high risk criteria, to help inform the endoscopist's decision regarding future surveillance. It should be emphasised however that, if the above criteria are not met, such as when colonoscopy is incomplete, the primary procedure is a sigmoidoscopy or if one or more lesion has been identified at endoscopy but not removed (or removed but not retrieved) then application of this management algorithm is inappropriate and the corresponding data item on the pathology report should be recorded as "not applicable" or "not established". To avoid potentially inappropriate classification of individuals as 'low risk', it is important all such endoscopic information is conveyed to the BCS pathologist prior to reporting. Ultimate responsibility for management decisions regarding surveillance remains with the consultant endoscopist, taking into consideration pathology and endoscopy findings.
8. Appropriate SNOMED codes for each polyp are entered into LabCentre at the time of reporting and checked prior to authorisation of the final report (see Appendix 4, list of recommended SNOMED codes). In the case of a diagnosis of polyp cancer, or if there is any doubt about any diagnosis, a second opinion should be sought from one or more other BCS pathologists, the name of the other pathologist(s) recorded in the pathology report and the appropriate SNOMED code added. Separate SNOMED codes have been provided for recording intra-departmental and external second opinions. All specimens should have the P206000 "Screening Procedure" SNOMED code added.

Table 1⁶

NEW HIGH RISK IF...		DEFINITIONS	OUTCOME
5 or more	Premalignant polyp	<ul style="list-style-type: none"> All adenomas All SSLs (sessile serrated lesions) Hyperplastic polyps (excluding RECTAL hyperplastic polyps $\leq 5\text{mm}$) 	<ul style="list-style-type: none"> One-off 3 year surveillance (deemed high risk)
2 or more OR 1 plus 1 or more premalignant polyp	Advanced colorectal polyp	<ul style="list-style-type: none"> SSLs $\geq 10\text{mm}$ Hyperplastic polyps $\geq 10\text{mm}$ SSLs with dysplasia All TSAs Adenomas $\geq 10\text{mm}$ All adenomas with high grade dysplasia 	<ul style="list-style-type: none"> One-off 3 year surveillance (deemed high risk)
–	NPCP without histological confirmation of complete excision	<ul style="list-style-type: none"> Non-pedunculated SSL 10-19mm Non-pedunculated adenoma 10-19mm Non-pedunculated hyperplastic polyp 10-19mm 	<ul style="list-style-type: none"> Consider site check at 2-6 months then follow appropriate pathway thereafter
–	LNPCP without histological confirmation of complete excision	<ul style="list-style-type: none"> Non-pedunculated SSL $\geq 20\text{mm}$ Non-pedunculated adenoma $\geq 20\text{mm}$ Non-pedunculated hyperplastic polyp $\geq 20\text{mm}$ 	<ul style="list-style-type: none"> Requires site check at 2-6 months Further site check at 12 months Further one-off surveillance colonoscopy 3 years later
1 or more <i>(not high risk but requires follow up)</i>	LNPCP <i>with</i> histological confirmation of complete excision	<ul style="list-style-type: none"> Non-pedunculated SSL $\geq 20\text{mm}$ Non-pedunculated adenoma $\geq 20\text{mm}$ Non-pedunculated hyperplastic polyp $\geq 20\text{mm}$ 	<ul style="list-style-type: none"> One-off surveillance colonoscopy 3 years later

⁶ Table 1. Post-polypectomy surveillance guidelines 2020 (Modified from Rutter et al,⁴) SSL, sessile serrated lesion; TSA, traditional serrated adenoma; NPCP, non-pedunculated colorectal polyp; LNPCP, large non-pedunculated colorectal polyp.

4 Histopathology Databases

Two regional histopathology databases are maintained, one collecting all data pertaining to BCS endoscopy specimens, the second collecting all data relating to BCS-detected colorectal adenocarcinomas (other cancers, such as lymphoma, melanoma or squamous cell carcinoma, are considered “incidental” findings and not recorded in this database). These databases are used to derive relevant quality assurance standards and for audit of pathology findings within the programme. The endoscopy database is updated locally by each histopathology laboratory, using the Lab Centre source code to identify cases and completing an appropriate excel database template corresponding to the fields in the endoscopic biopsy dataset (Appendix 1). Quarterly updates are provided by each laboratory to the BCSP Information Officer for central collation and analysis. Returns are expected within one month following the end of each quarter, to allow time for specimen processing and reporting and local data entry.

The BCS pathology cancer database is compiled centrally by searching Lab Centre (using the Path Manager facility) for BCS cases, booked in under the relevant Bowel Screening Centre source codes, which have had a SNOMED diagnosis of ‘adenocarcinoma’ (M81403), ‘mucinous adenocarcinoma’ (M84803), ‘signet ring cell carcinoma’ (M84903), ‘undifferentiated carcinoma’ (M80203), ‘adenocarcinoma in adenomatous polyp’ (M82103) ‘atypia suspicious for malignancy’ (M67060), ‘severe dysplasia’ (M74003), ‘squamous cell carcinoma (M80103) or ‘carcinoma’ (M80703) applied. This is correlated with a similar search of the endoscopic biopsy database. High grade (severe) dysplasia may represent either sampling from the surface of an adenocarcinoma or alternatively a benign adenoma. Endoscopic biopsies from the surface of cancers may yield only low-grade dysplasia or entirely non-neoplastic, e.g. inflammatory, tissue on histological examination. Cancers from which diagnostic material has not been obtained at endoscopy, but which may have proceeded to surgery on the basis of clinical suspicion, may therefore not be identified by the above search criteria. If there is clinical suspicion of malignancy, this should be flagged as a comment in the endoscopic biopsy database, to permit a search of Lab Centre for follow-up biopsies or surgical resection on such cases. It should be noted that it is inevitable some cancers will still be missed with this approach if clinical suspicion is not indicated on the request form. Similarly some resections follow cancer detection by CT colonography, so will not be picked up by any trawl of BCS endoscopy specimens. A crosscheck exercise between the histopathology cancer database and the Bowel

Screening Information Management System (BSIMS) is performed regularly to audit this. For the above reasons, the BSIMS database is more complete and represents the gold standard resource for identification of BCS-detected cancers.

5 Turnaround Times

Turnaround times (TATs) represent one indicator of service quality. These are compiled by the BCSP Information Officer requesting relevant data from PathManager on a quarterly basis. Each laboratory is encouraged to monitor their own TATs in addition, both for validation purposes and to detect any potential problems with TATs as early as possible.

The revised national standards for the NHS Bowel Cancer Screening Programme were updated in August 2018 and adopted by the Northern Ireland Bowel Cancer Screening Programme. They are available at: <https://www.gov.uk/government/publications/bowel-cancer-screening-programme-standards/bowel-cancer-screening-programme-standards-valid-for-data-collected-from-1-april-2018>. These measure TATs from date of specimen receipt in the laboratory. The minimum standard is that 90% of BCS cases should be reported within 7 days of specimen receipt. The date of receipt represents day 0. Any case which is authorised at any time on day 7 meets this standard. Those authorised on day 8 or thereafter do not.

In accordance with Royal College of Pathologists recommendations for Key Performance Indicators (2013), TATs can also be calculated from the date of endoscopic procedure rather than date of specimen receipt in the laboratory. This approach enables identification of any transport problems which may result in clinically meaningful delays. Here, the date of procedure represents day 0. The NI BCSP adopted minimum standard is that 80% of BCS cases should be reported within 7 days of the procedure. Any case which is authorised at any time on day 7 meets this standard. Those authorised on day 8 or thereafter do not.

These two measures of TAT are considered broadly similar and monitoring of both is currently recommended until further notice, to gauge impact of the change to the new TAT definition and to utilise both data items to identify time associated with specimen transport from endoscopy units to the laboratory.

TATs are derived centrally by the BCSP Information Officer, the data then supplied to the regional QA lead for pathology and disseminated to each histopathology laboratory BCS lead.

References

1. The Royal College of Pathologists (2018). *Dataset for histopathological reporting of colorectal cancer*. Available from: <https://www.rcpath.org/uploads/assets/c8b61ba0-ae3f-43f1-85ffd3ab9f17cfe6/G049-Dataset-for-histopathological-reporting-of-colorectal-cancer.pdf> (Accessed September 21st, 2020).
2. Brierley JD, Gospodarowicz MK and Wittekind C (eds) (2016). *UICC TNM Classification of Malignant Tumours, 8th Edition*, Wiley-Blackwell, New York.
3. Nagtegaal ID, Arends MJ, Odze RD and Lam AK (2019). Tumours of the colon and rectum. In: *Digestive System Tumours. WHO Classification of Tumours, 5th Edition*, Lokuhetty D, White V, Watanabe R and Cree IA (eds), IARC Press, Lyon, France.
4. Rutter MD, East J, Rees CJ, et al. British Society of Gastroenterology/Association of Coloproctology of Great Britain and Ireland/Public Health England post-polypectomy and post-colorectal cancer resection surveillance guidelines. *Gut* 2020;69:201-223.
5. Taylor JL, Coleman HG, Gray RT, et al. A comparison of endoscopy versus pathology sizing of colorectal adenomas and potential implications for surveillance colonoscopy. *Gastrointest Endosc* 2016;84:341-351.
6. Table 1. Post-polypectomy surveillance guidelines 2020 (Modified from Rutter et al,⁴) SSL, sessile serrated lesion; TSA, traditional serrated adenoma; NPCP, non-pedunculated colorectal polyp; LNPCP, large non-pedunculated colorectal polyp.

Appendix 2: Colorectal Cancer Local Excision Dataset

Name: _____ Biopsy No: _____ Pathologist: _____

GROSS DESCRIPTION

Type of specimen: Polypectomy / Endoscopic mucosal resection /
Endoscopic submucosal dissection /
Transanal endoscopic microsurgical excision /
Other

Site of tumour: Caecum / ascending colon / hepatic flexure /
transverse colon / splenic flexure / descending colon /
sigmoid / rectosigmoid / rectum

Size of specimen (max width): _____ mm
Not assessable (piecemeal)

HISTOLOGY

Histological tumour (sub)type: Adenocarcinoma
Mucinous adenocarcinoma

Other

Differentiation (worst area): Well/moderate / Poor / Not applicable

Local invasion (TNM 8): pT1 carcinoma invades submucosa
pT2 carcinoma invades muscularis propria
pT3 carcinoma beyond muscularis propria

For pT1 tumours:

Maximum depth of invasive tumour from muscularis mucosae: _____ mm

Width of invasive tumour: _____ mm

Haggitt level (polypoid): 1 / 2 / 3 / 4
Not applicable / Not assessable

Kikuchi level (sessile tumours): SM1 / SM2 / SM3
Not applicable / Not assessable

Lymphatic (small vessel) invasion: None / Intramural / Extramural

Venous invasion: None / Intramural / Extramural

Perineural invasion: None / Intramural / Extramural

Background adenoma: Yes / No

Margins: Not involved / Involved by adenoma only /
Deep margin involved by carcinoma /
Peripheral margin involved by carcinoma /
Deep and peripheral margins involved by carcinoma

Histological measurement from carcinoma to nearest deep excision margin: _____ mm

Complete resection: Yes (RO)
No - R1 (microscopic)
No - R2 (macroscopic)

Microsatellite instability status: Not performed
Microsatellite stable
Microsatellite instability-high

Block index:

Representative primary tumour block(s):

FURTHER COMMENTS:

DIAGNOSIS:

Appendix 3: Colorectal Cancer Resection Dataset

Name:

Biopsy No:

Pathologist:

GROSS DESCRIPTION

Type of specimen:

Total colectomy / subtotal colectomy /
right hemicolectomy / transverse colectomy /
left hemicolectomy / anterior resection /
sigmoid colectomy / Hartmann's procedure /
abdominoperineal excision /
other (*state*) _____

Site of tumour:

Caecum
Ascending colon
Hepatic flexure
Transverse colon
Splenic flexure
Descending colon
Sigmoid colon
Rectum (above peritoneal reflection)
Rectum (astride peritoneal reflection)
Rectum (below peritoneal reflection)
Rectum (quadrant – anterior / posterior /
right lateral / left lateral / annular)

Length of specimen:

Maximum tumour diameter:

Nature of tumour:

Polypoid / Ulcerated / Annular

Tumour perforation:

No / Yes

**Distance of tumour
from nearer cut end:**

Distal or proximal

**Distance of tumour
from dentate line:**

**Plane of mesorectal
excision (AR and APE):**

Mesorectal fascia / intramesorectal /
muscularis propria / not applicable

**Plane of resection of
sphincters (APE only):**

Extralevator / sphincteric / intrasphincteric

HISTOLOGY

Histological (sub)type:

Adenocarcinoma
Mucinous adenocarcinoma

Other

Differentiation:

Well/moderate / Poor / Not applicable

Local invasion (TNM 8):

pT1 carcinoma invades submucosa

pT2 carcinoma invades muscularis propria
 pT3 carcinoma beyond muscularis propria into subserosa or pericolic/perirectal tissues
 pT4a carcinoma invades other organs
 pT4b carcinoma perforates visceral peritoneum

Maximum distance of spread beyond muscularis propria:

Lymphatic (small vessel) invasion: None / Intramural / Extramural

Venous invasion: None / Intramural / Extramural

Perineural invasion: None / Intramural / Extramural

Lymph nodes: Number of lymph nodes identified =
 Number infiltrated by tumour =

Apical node: Involved / Not involved

Number of tumour deposits:

Peritoneal involvement: None / Tumour at or ulcerating serosa

Proximal margin: Involved / Not involved

Distal margin: Involved / Not involved

Proximal anastomotic ring: Involved / Not involved / Not submitted

Distal anastomotic ring: Involved / Not involved / Not submitted

Non-peritonealised circumferential margin: Not involved / tumour \leq 1mm from margin

Histological measurement from tumour to non-peritonealised margin _____ mm

Non-peritonealised margin is circumferential in the rectum, usually posterior in the caecum, ascending colon and descending colon and mesocolic elsewhere

Pre-operative therapy given: Short course radiotherapy
 Long course chemoradiotherapy
 No
 Unknown

Response: No viable tumour cells (TRS 0)
 Single/rare small groups of tumour cells (TRS 1)
 Residual cancer with tumour regression (TRS 2)
 No evident tumour regression (TRS 3)
 Not applicable

Histologically confirmed metastatic disease: No
 Yes (specify site(s)) _____

pTNM staging (TNM 8):

Complete resection: Yes (R0) / R1 (microscopic) or R2 (macroscopic)

Other pathology:

Microsatellite instability status: Not performed
Microsatellite stable
Microsatellite instability-high

Block index:

**Representative primary tumour
block(s):**

**Representative lymph node
metastasis block(s):**

FURTHER COMMENTS:

DIAGNOSIS:

Appendix 4: Recommended SNOMED CODING

Code	General	SNOMED description
P206000	Screening specimen (applied to all cases)	Screening procedure, NOS
Site		
T59100	Caecum	Caecum, Nos
T59420	Ascending Colon	Ascending Colon
T59438	Hepatic flexure	Right colic flexure
T59442	Splenic flexure	Left colic flexure
T59440	Transverse Colon	Transverse Colon
T59460	Descending Colon	Descending Colon
T59470	Sigmoid Colon	Sigmoid Colon
T59600	Rectum	Rectum, Nos
T59300	Colon, not otherwise specified	Colon, Nos
Diagnosis		
M09010	Inadequate	Specimen unsatisfactory for diagnosis
M00100	Normal	Normal
Common Polyps		
M82110	Tubular adenoma	Tubular adenoma
M82630	Tubulovillous adenoma	Tubulovillous adenoma
M82611	Villous adenoma	Villous adenoma
M72042	Hyperplastic polyp	Hyperplastic polyp
M76801	Sessile serrated polyp/adenoma	Sessile polyp
M82130	Traditional serrated adenoma	Serrated adenoma
M76820	Inflammatory polyp	Inflammatory polyp
M31050	Mucosal prolapse	Prolapse
D401035	Peutz-Jeghers	Peutz-Jeghers syndrome
M75662	Juvenile polyp	Juvenile polyp
Other polyps		
M82403	Endocrine cell tumour (carcinoid)	Carcinoid tumor, NOS (except of Appendix)
M88900	Leiomyoma	Leiomyoma
M95600	Schwannoma	Neurilemmoma
M95400	Neurofibroma	Neurofibroma
M94900	Ganglioneuroma	Ganglioneuroma
M89361	Gastrointestinal stromal tumour	Gastrointestinal stromal tumour
M88500	Lipoma	Lipoma
M80003	Other polyp - Malignant neoplasm	Neoplasm, malignant
M80000	Other polyp - Benign neoplasm	Neoplasm, benign
Other pathology		
D541110	Ulcerative colitis	Chronic ulcerative colitis
D541000	Crohn's disease	Crohn's disease
D540990	Inflammatory bowel disease - unclassified	Inflammatory bowel disease
M40000	Other inflammation	Inflammation
F39340	Ischaemia	Ischaemia
M09350	Other (Morphologic description only)	Morphologic description only
Polypoid cancer		
M82103	Adenocarcinoma in a polyp	Adenocarcinoma in adenomatous

polyp

M81403	Cancer (non-polypoid) Adenocarcinoma	Adenocarcinoma
M67060	Suspicious of adenocarcinoma	Atypia suspicious for malignancy
Other malignancy		
M84803	Mucinous adenocarcinoma	Mucinous adenocarcinoma
M84903	Signet ring cell carcinoma	Signet ring cell carcinoma
M85603	Adenosquamous carcinoma	Adenosquamous carcinoma
M80703	Squamous cell carcinoma	Squamous cell carcinoma
M80413	Small cell carcinoma	Small cell carcinoma
M80203	Undifferentiated carcinoma	Undifferentiated carcinoma
M82443	Mixed carcinoid-adenocarcinoma	Composite carcinoid
M80103	Carcinoma, other	Carcinoma, other
M87203	Malignant melanoma	Malignant melanoma
Dysplasia		
M74001	Low grade dysplasia	Mild dysplasia
M74003	High grade dysplasia	Severe dysplasia
Miscellaneous		
P210600	Double reported (within department)*	Confirmatory medical consultation, NOS
P020510	Second opinion (from external pathologist)* *add name of second BCS pathologist on report	Patient referral for consultation, NOS

NI BCSP
Histopathology Protocols

DOCUMENT REVIEW	
Version	1.4
Review Date	August 2021
Approved by	NI BCSP Histopathology QA Subgroup, QA Lead for Histopathology and NI BCSP QA Committee
Date Approved	August 2021
New Review Date	August 2024

SUMMARY OF CHANGES			
Version	Date	Author(s)	Notes on Revisions/Modifications
1.0	04/05/10	M Loughrey	
1.2	05/03/13	M Loughrey	Changes to Appendix 1 agreed at Histopathology QA Subgroup on 05/03/13
1.3	01/03/15	M Loughrey	Change to definition of TAT and formatting of document
1.4	31/03/21	M Loughrey	Major revisions in light of new national and international documentation

