# Appendix B Reporting proforma for appendiceal mucinous neoplasms

#  and adenocarcinoma

Surname: ………………………….. Forenames: ………………………. Date of birth: ……………… Sex: ………

Hospital: …………………………… Hospital No: ………………………. NHS No: ………………………………....

Date of surgery: ……………….….. Date of report authorisation: …………… Report No: ………………….........

Date of receipt: ………………….... Pathologist: ………………….…………... Clinician: …………………….........

**Specimen type:**

Appendicectomy/right hemicolectomy/other (state): …………….

Other organs: yes/no (list if yes) ………………….

**Macroscopic:**

For all specimens:

Length of appendix: …...mm

Maximum external diameter of appendix: …… mm

Appearance of appendix: Normal/distended mucin-filled/diffuse thickening of wall/
 tumour nodule/other (state) ……………

Maximum diameter of tumour: .…..mm/cannot be accurately measured

Perforation: yes/no

If yes, perforation is through macroscopically visible tumour: yes/no/not applicable

Mucin visible on serosa: yes/no

Any other pathological abnormalities (state): ……..…..……..

For appendicectomies:

Caecal wall included: yes/no

Distance of tumour from proximal and mesoappendiceal margins:

If >30 mm, specify which margin(s) and macroscopic clearance

…………………………… (…….mm) [[1]](#footnote-1)\*

If <30 mm, specify which margin(s)[[2]](#footnote-2)† ……………………………….

For colectomies:

Length of specimen: ……….mm

Distance of tumour from longitudinal ends and non-peritonealised circumferential margin(s):

If >30 mm, specify which margin(s) and macroscopic clearance

…………………………… (…….mm)\*

If <30 mm, specify which margin(s)†  ………………………….

**Type of tumour:**

* low-grade appendiceal mucinous neoplasm (LAMN)
* high-grade appendiceal mucinous neoplasm (HAMN)
* mucinous adenocarcinoma
* mucinous adenocarcinoma with signet ring cells
* non-mucinous adenocarcinoma
* other (specify): …………

**Grade:**

For mucinous tumours:

* G1: LAMN
* G2: HAMN and most mucinous adenocarcinomas without signet ring cells
* G3: mucinous adenocarcinomas with signet ring cells[[3]](#footnote-3)† (or, rarely, sheets of poorly differentiated cells)

For non-mucinous adenocarcinomas:

* low grade (G1/2)
* high grade (G3)

**Other findings:**

Perforation at the site of tumour: yes/no

Perforation away from tumour: yes/no

Other (specify): ………….

**Local spread:**

Furthest extent of tumour (either neoplastic cells or acellular mucin):

* confined to mucosa (pTis)
* submucosa (pTis(LAMN) or pT1)
* muscularis propria (pTis(LAMN) or pT2)
* subserosal fat/mesoappendix (pT3)
* involves or beyond serosa (pT4a)
* directly invades adjacent structures (pT4b)
* not applicable/cannot be assessed

Neoplastic epithelial cells involve or lie beyond serosa: yes/no

**Angiolymphatic and perineural invasion (adenocarcinomas only):**

Venous invasion: yes/no

Lymphatic invasion: yes/no

Perineural invasion: yes/no

**Margins – appendicectomies:**

Proximal appendiceal margin:

* clear (distance ……mm or cannot be accurately measured)
* mucosal neoplasm present at margin
* mural/extra-appendiceal epithelium or mucin present at margin
* not assessable

Mesoappendiceal margin:

* clear (distance ……mm or cannot be accurately measured)
* neoplastic epithelium or mucin present at margin
* not assessable

Other margin (describe): ……….………..

**Margins – right hemicolectomies:**

Longitudinal margins:

* not submitted by pathologist
* clear (distance ……mm or cannot be accurately measured)
* mucosal neoplasm present at margin
* mural/extra-appendiceal epithelium or mucin present at margin
* not assessable

Nonperitonealised circumferential margin:

* not submitted by pathologist
* clear (distance ……mm or cannot be accurately measured)
* neoplastic epithelium or mucin present at margin
* not assessable

Other margin (describe): ………………..

**Lymph nodes:**

Number of regional nodes (mesoappendiceal and ileocolic): …….

Number of non-regional nodes: ……

Total number of nodes: ……

Number of regional nodes containing tumour: ……

Number of non-regional nodes containing tumour: …… or not applicable if no non-regional nodes

Total number of nodes containing tumour: …… or not applicable if no nodes present

**Tumour deposits (satellites)** – yes/no/not applicable

If yes, number (1, 2, 3, 4, 5 or >5) ………….

**Peritoneal metastases (includes involvement of ovaries)** – yes/no

If yes, state organs involved: ………………………………………….

Is peritoneal disease pseudomyxoma peritonei? – yes/no

If yes, classification of pseudomyxoma peritonei:

* acellular mucin
* low-grade mucinous carcinoma peritonei (G1)
* high-grade mucinous carcinoma peritonei (usually G2; rarely G3, if there are sheets of poorly differentiated cells)
* high-grade mucinous carcinoma peritonei with signet ring cells (G3)[[4]](#footnote-4)†

**Histologically confirmed distant metastases, i.e. metastases not derived from peritoneal spread:** yes/no

If yes, site(s): ………………….

**Other abnormalities:** yes/no

If yes, specify: …………………..

**Additional tumours present:** yes/no

If yes, use separate proforma

**Overall grade** **(higher of local and peritoneal disease if discordant in pseudomyxoma peritonei):**

* G1
* G2
* G3
* cannot be assessed or not applicable

**Complete resection at all surgical margins (R0)**: yes/no

**pTNM classification:[[5]](#footnote-5)‡**  pT …… pN …….. pM\* ………

\*pM should either be pM1 or entered as not applicable (N/A)

**TNM edition number used:** ……..

**Comments:** ……………………………………………………………..

**SNOMED codes:** ……………………………………………….

1. If a margin is macroscopically >30 mm from tumour, it is sufficient simply to provide this measurement. [↑](#footnote-ref-1)
2. †If a margin is macroscopically <30 mm from tumour, take block(s) to allow microscopic measurement of distance. [↑](#footnote-ref-2)
3. †Signet ring cells should be reported if they comprise at least 10% of the neoplastic cells. [↑](#footnote-ref-3)
4. †Signet ring cells should be reported if they comprise at least 10% of the neoplastic cells. [↑](#footnote-ref-4)
5. ‡N status can be assigned if ileocolic nodes are present; otherwise classification is pNx. [↑](#footnote-ref-5)