

Corrigenda

WHO Classification of Tumours, 5th edition: Digestive System Tumours

July 2024 (after 3rd print run)

Updated corrigenda for this volume can be found at <https://publications.iarc.who.int/Book-And-Report-Series/Who-Classification-Of-Tumours/Digestive-System-Tumours-2019>.

Summary of corrections:

Mitotic count

The terms “mitotic rate” and “mitotic index” have been corrected to “mitotic count” throughout the volume.

Updated online: October 2019

Updated in print: Yes (in 2nd print run), December 2019

Microsatellite-unstable

The term “microsatellite-instable (MSI)” has been corrected to “microsatellite-unstable” throughout the book:

Updated online: October 2019

Updated in print: Yes (in 2nd print run), December 2019

ICD-O coding – subtypes

The following footnote has been added at the end of each WHO classification (ICD-O coding) table (p. 24, 60, 112, 136, 158, 194, 216, 266, 296, 374, 434, 500):

Subtype labels are indented.

Updated online: Yes

Updated in print: No (pending next print run)

ICD-11 coding

Some of the ICD-11 codes and their labels have been corrected, as detailed below.

Original text	Corrected text
Gastric squamous cell carcinoma (p. 96)	
2B72 & XH0945 Malignant neoplasm of stomach & Squamous cell carcinoma NOS	2B72.Y & XH0945 Malignant neoplasm of stomach & Squamous cell carcinoma NOS
Gastric adenosquamous carcinoma (p. 98)	
2B72 & XH7873 Malignant neoplasms of stomach & Adenosquamous carcinoma	2B72.Y & XH7873 Malignant neoplasms of stomach & Adenosquamous carcinoma

Original text	Corrected text
Gastric undifferentiated carcinoma (p. 100)	
2B72 & XH1YY4 Malignant neoplasms of stomach & Carcinoma, undifferentiated, NOS	2B72.Y & XH1YY4 Malignant neoplasms of stomach & Carcinoma, undifferentiated, NOS
Non-ampullary adenocarcinoma (p. 124)	
2B80.20 Adenocarcinoma of small intestine	2B80.20 Adenocarcinoma of small intestine, site unspecified
Ampullary adenocarcinoma (p. 127)	
2B80.20 Adenocarcinoma of small intestine	2C16.0 Adenocarcinoma of ampulla of Vater
Appendiceal goblet cell adenocarcinoma (p. 149)	
2B81 & XH4262 Malignant neoplasms of appendix & Goblet cell adenocarcinoma	2B81.Y & XH4262 Malignant neoplasms of appendix & Goblet cell adenocarcinoma
Colorectal serrated lesions and polyps (p. 163)	
DB35.0 Hyperplastic polyp of large intestine 2E92.4 & XH2F06 Benign neoplasm of the large intestine & Sessile serrated adenoma 2E92.4 & XH63V9 Benign neoplasm of the large intestine & Sessile serrated polyp 2E92.4 & XH9PD9 Benign neoplasm of the large intestine & Traditional sessile serrated adenoma	DB35.0 Hyperplastic polyp of large intestine 2E92.4Y & XH2F06 Other specified benign neoplasm of the large intestine & Sessile serrated adenoma 2E92.4Y & XH63V9 Other specified benign neoplasm of the large intestine & Sessile serrated polyp 2E92.4Y & XH9PD9 Other specified benign neoplasm of the large intestine & Traditional sessile serrated adenoma
Biliary intraepithelial neoplasia (p. 273)	
2E92.6 & XH7BS0 Benign neoplasm of gallbladder, extrahepatic bile ducts or ampulla of Vater & Biliary intraepithelial neoplasia, low grade 2E61.Y & XH5U91 Carcinoma in situ of other specified digestive organs (or 2C18 Malignant neoplasms of perihilar bile duct) & Biliary intraepithelial neoplasia, high grade	2E92.6 & XH7BS0 Benign neoplasm of gallbladder, extrahepatic bile ducts or ampulla of Vater & Biliary intraepithelial neoplasia, low grade 2E61.Y & XH5U91 Carcinoma in situ of other specified digestive organs (2C18.Y Other specified malignant neoplasms of perihilar bile duct) & Biliary intraepithelial neoplasia, high grade
Carcinoma of the gallbladder (p. 283)	
2C13 Malignant neoplasms of the gallbladder	2C13.Z Malignant neoplasms of the gallbladder
Enteropathy-associated T-cell lymphoma (p. 386)	
2A90.7 Enteropathy-associated T-cell lymphoma XA6452 Small intestine XA9780 Duodenum XA8UM1 Jejunum XA0QT6 Ileum XA2520 Overlapping lesion of small intestine	2A90.7 Enteropathy-associated T-cell lymphoma

Original text	Corrected text
Monomorphic epitheliotropic intestinal T-cell lymphoma (p. 390)	
2A90.C Peripheral T-cell lymphoma NOS XA6452 Small intestine XA9780 Duodenum XA8UM1 Jejunum XA0QT6 Ileum XA2520 Overlapping lesion of small intestine	2A90.C Peripheral T-cell lymphoma NOS
Langerhans cell histiocytosis (p. 426)	
2B31.2 Langerhans cell histiocytosis	2B31.2Y Other specified Langerhans cell histiocytosis
Haemangioma (p. 462)	
2E81.0Y Other specified neoplastic haemangioma XH5AW4 Haemangioma NOS	2E81.0Y & XH5AW4 Other specified neoplastic haemangioma & Haemangioma NOS
Glomus tumour (p. 473)	
2E92 & XH47J2 Benign neoplasm of digestive organs & Glomus tumour NOS 2F70 & XH7CP7 Neoplasms of uncertain behaviour of oral cavity or digestive organs & Glomangiomas Malignant neoplasms of digestive organs 2C12.0 & XH21E6 Malignant neoplasm of liver & Glomus tumour, malignant	2E92.Z & XH47J2 Benign neoplasm of digestive organs & Glomus tumour NOS 2F70.Z & XH7CP7 Neoplasms of uncertain behaviour of oral cavity or digestive organs & Glomangiomas Malignant neoplasms of digestive organs 2C12.Y & XH21E6 Malignant neoplasm of liver & Glomus tumour, malignant
Schwannoma (p. 477)	
2E92 & XH98Z3 Benign neoplasm of digestive organs & Schwannoma (neurilemmoma)	2E92.Z & XH98Z3 Benign neoplasm of digestive organs & Schwannoma (neurilemmoma)
Perineurioma (p. 481)	
2F38 & XH0XF7 Benign neoplasm of other or unspecified sites & Perineurioma NOS	2F3Y & XH0XF7 Other specified benign non-mesenchymal neoplasms & Perineurioma NOS
Ganglioneuroma and ganglioneuromatosis (p. 483)	
2F38 & XH03L9 Benign neoplasm of other or unspecified sites & Ganglioneuroma XH6LR5 Ganglioneuromatosis	2F3Y & XH03L9 Other specified benign non-mesenchymal neoplasms & Ganglioneuroma XH6LR5 Ganglioneuromatosis
PEComa, including angiomyolipoma (p. 485)	
2E92 & XH4CC6 Benign neoplasm of digestive organs & Perivascular epithelioid tumour, benign 2B90 Malignant neoplasms of colon 2C12.0 Malignant neoplasm of liver 2B80 Malignant neoplasms of small intestine 2C10 Malignant neoplasm of pancreas XH9WD1 Perivascular epithelioid tumour, malignant XH4VB4 Angiomyolipoma	2E92.Z & XH4CC6 Benign neoplasm of digestive organs & Perivascular epithelioid tumour, benign 2B90.Z Malignant neoplasms of colon 2C12.0Y Malignant neoplasm of liver 2B80.Z Malignant neoplasms of small intestine 2C10.Z Malignant neoplasm of pancreas XH9WD1 Perivascular epithelioid tumour, malignant XH4VB4 Angiomyolipoma

Updated online: March 2020

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WHO classification of tumours of the oesophagus: ICD-O coding (p. 24)

Under the heading “Malignant epithelial tumours”, an additional entry has been added as shown.

Original text	Corrected text
Malignant epithelial tumours ... 8240/3 Neuroendocrine tumour NOS 8240/3 Neuroendocrine tumour, grade 1 8249/3 Neuroendocrine tumour, grade 2 8249/3 Neuroendocrine tumour, grade 3 8246/3 Neuroendocrine carcinoma NOS 8013/3 Large cell neuroendocrine carcinoma 8041/3 Small cell neuroendocrine carcinoma 8154/3 Mixed neuroendocrine–non-neuroendocrine neoplasm (MiNEN) 8045/3 Combined small cell–adenocarcinoma 8045/3 Combined small cell–squamous cell carcinoma	Malignant epithelial tumours ... 8240/3 Neuroendocrine tumour NOS 8240/3 Neuroendocrine tumour, grade 1 8249/3 Neuroendocrine tumour, grade 2 8249/3 Neuroendocrine tumour, grade 3 8246/3 Neuroendocrine carcinoma NOS 8013/3 Large cell neuroendocrine carcinoma 8041/3 Small cell neuroendocrine carcinoma 8154/3 Mixed neuroendocrine–non-neuroendocrine neoplasm (MiNEN) 8045/3 Combined small cell–adenocarcinoma 8045/3 Combined small cell–squamous cell carcinoma 8244/3 Mixed neuroendocrine carcinoma

Updated online: September 2022

Updated in print: No (pending next print run)

Oesophageal neuroendocrine neoplasms (p. 56)

In the *ICD-O coding* subsection, an additional entry has been added as shown.

Original text	Corrected text
ICD-O coding 8240/3 Neuroendocrine tumour NOS 8246/3 Neuroendocrine carcinoma NOS 8154/3 Mixed neuroendocrine–non-neuroendocrine neoplasm (MiNEN)	ICD-O coding 8240/3 Neuroendocrine tumour NOS 8246/3 Neuroendocrine carcinoma NOS 8154/3 Mixed neuroendocrine–non-neuroendocrine neoplasm (MiNEN) 8244/3 Mixed neuroendocrine carcinoma

Updated online: September 2022

Updated in print: No (pending next print run)

WHO classification of tumours of the stomach: ICD-O coding (p. 60)

The behaviour code for “Gastroblastoma” has been corrected from /1 (unspecified, borderline, or uncertain behaviour) to /3 (malignant tumours, primary site).

Original text	Corrected text
Malignant epithelial tumours ... 8976/ 1 * Gastroblastoma ...	Malignant epithelial tumours ... 8976/ 3 * Gastroblastoma ...

Updated online: September 2022

Updated in print: No (pending next print run)

Gastroblastoma (p. 102)

Within the *ICD-O coding* subsection, the behaviour code for “Gastroblastoma” has been corrected from /1 (unspecified, borderline, or uncertain behaviour) to /3 (malignant tumours, primary site).

Original text	Corrected text
ICD-O coding 8976/ 1 Gastroblastoma	ICD-O coding 8976/ 3 Gastroblastoma

Updated online: Yes

Updated in print: No (pending next print run)

WHO classification of tumours of the appendix: ICD-O coding (p. 136)

The behaviour code for “Low-grade appendiceal mucinous neoplasm” has been corrected from /1 (unspecified, borderline, or uncertain behaviour) to /2 (carcinoma in situ and grade III intraepithelial neoplasia), and an entry for “Appendiceal mucinous neoplasm with extra-appendiceal spread” has been added.

Original text	Corrected text
Epithelial tumours ... 8480/ 1 Low-grade appendiceal mucinous neoplasm 8480/2* High-grade appendiceal mucinous neoplasm ...	Epithelial tumours ... 8480/ 2 Low-grade appendiceal mucinous neoplasm 8480/2* High-grade appendiceal mucinous neoplasm 8480/3 Appendiceal mucinous neoplasm with extra-appendiceal spread ...

Updated online: September 2022

Updated in print: No (pending next print run)

Appendiceal mucinous neoplasm (p. 144)

Within the *ICD-O coding* subsection, the behaviour code for “Low-grade appendiceal mucinous neoplasm” has been corrected from /1 (unspecified, borderline, or uncertain behaviour) to /2 (carcinoma in situ and grade III intraepithelial neoplasia), and an entry for “Appendiceal mucinous neoplasm with extra-appendiceal spread” has been added.

Original text	Corrected text
ICD-O coding 8480/ 1 Low-grade appendiceal mucinous neoplasm 8480/2 High-grade appendiceal mucinous neoplasm	ICD-O coding 8480/ 2 Low-grade appendiceal mucinous neoplasm 8480/2 High-grade appendiceal mucinous neoplasm 8480/3 Appendiceal mucinous neoplasm with extra-appendiceal spread

Updated online: September 2022

Updated in print: No (pending next print run)

WHO classification of tumours of the colon and rectum: ICD-O coding (p. 158)

The entries for “Hyperplastic polyp, microvesicular type” and “Hyperplastic polyp, goblet cell” have been deleted.

Original text	Corrected text
Benign epithelial tumours and precursors 8213/0* Serrated dysplasia, low grade 8213/2* Serrated dysplasia, high grade Hyperplastic polyp, microvesicular type Hyperplastic polyp, goblet cell 8210/0* Adenomatous polyp, low-grade dysplasia ...	Benign epithelial tumours and precursors 8213/0* Serrated dysplasia, low grade 8213/2* Serrated dysplasia, high grade 8210/0* Adenomatous polyp, low-grade dysplasia ...

Updated online: October 2019

Updated in print: Yes (in 2nd print run), December 2019

Colorectal serrated lesions and polyps (p. 164)

In Table 6.01 (Table #934 online), in the bottom row (for TSA; traditional serrated adenoma), under the *Molecular features* column heading, the frequencies of *BRAF* and *KRAS* mutations have been corrected (swapped) as shown.

Original text	Corrected text
TSA: Molecular features <i>BRAF</i> mutation: 20–40% <i>KRAS</i> mutation: 50–70%	TSA: Molecular features <i>BRAF</i> mutation: 50–70% <i>KRAS</i> mutation: 20–40%

Updated online: September 2022

Updated in print: No (pending next print run)

Colorectal serrated lesions and polyps (p. 165)

Within the third paragraph of the *Pathogenesis* subsection, the text below has been corrected as shown.

Original text	Corrected text
Pathogenesis ... TSA [traditional serrated adenoma] shows ... <i>KRAS</i> and <i>BRAF</i> mutations occur with relatively equal frequencies in TSA, and approximately 10% of TSAs lack mutations in one of these genes...	Pathogenesis ... TSA [traditional serrated adenoma] shows ... <i>KRAS</i> and <i>BRAF</i> mutations occur in TSA, and approximately 10% of TSAs lack mutations in one of these genes...

Updated online: September 2022

Updated in print: No (pending next print run)

Hepatocellular adenoma (p. 227)

The legend of Fig. 8.06A (Fig. #460 online) has been corrected as shown.

Original text	Corrected text
Fig. 8.06 β -catenin-activated hepatocellular adenoma (b-HCA). A b-HCA (exon 3) in a young boy treated with androgens for anaplastic anaemia: mild cytological atypia and rare pseudoglands (arrow). B,C,D ...	Fig. 8.06 β -catenin-activated hepatocellular adenoma (b-HCA). A b-HCA (exon 3) in a young boy treated with androgens for aplastic anaemia: mild cytological atypia and rare pseudoglands (arrow). B,C,D ...

Updated online: Update pending

Updated in print: No (pending next print run)

TNM staging of gastrointestinal stromal tumours (p. 435)

The following footnote has been added at the bottom of the page:

Note: The mitotic rates (counts) listed under the “G Histopathological Grading” heading above are based on a field area of 0.1 mm² as used in the original paper; modern microscopes are likely to have a field area of 0.2 mm², but measurement of field area is advisable, because instruments vary.

Updated online: September 2022 (previously, TNM tables were not included in the WHO Classification of Tumours Online)

Updated in print: Yes (in 2nd print run), December 2019

Sources (p. 565)

The source information for Table 14.05 (Table #462 online), which appears within the section *Lynch syndrome* (p. 518 in print), was missing in both the online and the print versions. The source should be listed as follows:

Frankel WL

Updated online: Update pending

Updated in print: No (pending next print run)