

Digestive system tumours

1. Foreword



WHO Classification of Tumours: Editorial Board (/paragraphcontent/31/278)

Foreword with changes from the book, including corrigenda (/paragraphcontent/31/277)

WHO classification of tumours of the digestive system: ICD-O coding
(/paragraphcontent/31/279)

Introduction to tumours of the digestive system (/paragraphcontent/31/1)

Classification of neuroendocrine neoplasms of the digestive system (/paragraphcontent/31/139)

2. Tumours of the oesophagus



Tumours of the oesophagus: Introduction (/paragraphcontent/31/3)

Epithelial tumours

Benign epithelial tumours and precursors

Oesophageal squamous papilloma (/chaptercontent/31/6)

Barrett dysplasia (/chaptercontent/31/8)

Oesophageal squamous dysplasia (/chaptercontent/31/9)

Malignant epithelial tumours

Adenocarcinoma of the oesophagus and oesophagogastric junction NOS
(/chaptercontent/31/11)

Oesophageal adenoid cystic carcinoma (/chaptercontent/31/12)

Oesophageal adenosquamous and mucoepidermoid carcinomas (/chaptercontent/31/13)

Oesophageal squamous cell carcinoma NOS (/chaptercontent/31/14)

Oesophageal undifferentiated carcinoma (/chaptercontent/31/15)

Oesophageal neuroendocrine neoplasms (/chaptercontent/31/140)

3. Tumours of the stomach



Tumours of the stomach: Introduction (/paragraphcontent/31/17)

Gastritis and metaplasia: precursors of gastric neoplasms (/paragraphcontent/31/260)

Epithelial tumours

Benign epithelial tumours and precursors

Fundic gland polyps (/chaptercontent/31/20)

Gastric hyperplastic polyps (/chaptercontent/31/21)

Gastric dysplasia (/chaptercontent/31/23)

Intestinal-type gastric adenoma (/chaptercontent/31/25)

Foveolar-type adenoma (/chaptercontent/31/245)

Gastric pyloric gland adenoma (/chaptercontent/31/26)

Oxyntic gland adenoma (/chaptercontent/31/27)

Malignant epithelial tumours

Gastric adenocarcinoma (/chaptercontent/31/29)

Gastric squamous cell carcinoma (/chaptercontent/31/30)

Gastric adenosquamous carcinoma (/chaptercontent/31/31)

Gastric undifferentiated carcinoma (/chaptercontent/31/32)

[Gastroblastoma \(/chaptercontent/31/238\)](/chaptercontent/31/238)

[Gastric neuroendocrine neoplasms \(/chaptercontent/31/141\)](/chaptercontent/31/141)

4. Tumours of the small intestine and ampulla



Tumours of the small intestine and ampulla: Introduction (/paragraphcontent/31/34)

Epithelial tumours

Benign epithelial tumours and precursors

[Non-ampullary adenoma \(/chaptercontent/31/37\)](/chaptercontent/31/37)

[Ampullary adenoma \(/chaptercontent/31/250\)](/chaptercontent/31/250)

Malignant epithelial tumours

[Non-ampullary adenocarcinoma \(/chaptercontent/31/39\)](/chaptercontent/31/39)

[Ampullary adenocarcinoma \(/chaptercontent/31/251\)](/chaptercontent/31/251)

[Small intestinal and ampullary neuroendocrine neoplasms \(/chaptercontent/31/142\)](/chaptercontent/31/142)

5. Tumours of the appendix



Tumours of the appendix: Introduction (/paragraphcontent/31/42)

Epithelial tumours

[Appendiceal serrated lesions and polyps \(/chaptercontent/31/46\)](/chaptercontent/31/46)

[Appendiceal mucinous neoplasm \(/chaptercontent/31/48\)](/chaptercontent/31/48)

[Appendiceal adenocarcinoma \(/chaptercontent/31/51\)](/chaptercontent/31/51)

[Appendiceal goblet cell adenocarcinoma \(/chaptercontent/31/52\)](/chaptercontent/31/52)

[Appendiceal neuroendocrine neoplasms \(/chaptercontent/31/143\)](/chaptercontent/31/143)

6. Tumours of the colon and rectum



Tumours of the colon and rectum: Introduction (/paragraphcontent/31/54)

Epithelial tumours

Benign epithelial tumours and precursors

[Colorectal serrated lesions and polyps \(/chaptercontent/31/57\)](/chaptercontent/31/57)

[Conventional colorectal adenoma \(/chaptercontent/31/59\)](/chaptercontent/31/59)

[Inflammatory bowel disease-associated dysplasia of the colorectum \(/chaptercontent/31/60\)](/chaptercontent/31/60)

Malignant epithelial tumours

[Colorectal adenocarcinoma \(/chaptercontent/31/62\)](/chaptercontent/31/62)

[Colorectal neuroendocrine neoplasms \(/chaptercontent/31/144\)](/chaptercontent/31/144)

7. Tumours of the anal canal



Tumours of the anal canal: Introduction (/paragraphcontent/31/65)

Epithelial tumours

Benign epithelial tumours and precursors

[Inflammatory cloacogenic polyp \(/chaptercontent/31/68\)](/chaptercontent/31/68)

[Anal condyloma \(/chaptercontent/31/253\)](/chaptercontent/31/253)

Anal squamous dysplasia (intraepithelial neoplasia) (/chaptercontent/31/70)

Malignant epithelial tumours

Anal squamous cell carcinoma (/chaptercontent/31/72)

Anal adenocarcinoma (/chaptercontent/31/73)

Anal neuroendocrine neoplasms (/chaptercontent/31/259)

8. Tumours of the liver and intrahepatic bile ducts



Tumours of the liver and intrahepatic bile ducts: Introduction (/paragraphcontent/31/75)

Epithelial tumours

Benign hepatocellular tumours

Focal nodular hyperplasia of the liver (/chaptercontent/31/79)

Hepatocellular adenoma (/chaptercontent/31/78)

Malignant hepatocellular tumours and precursors

Hepatocellular carcinoma (/chaptercontent/31/82)

Hepatoblastoma (/chaptercontent/31/83)

Benign biliary tumours and precursors

Bile duct adenoma (/chaptercontent/31/85)

Biliary adenofibroma (/chaptercontent/31/86)

Biliary intraepithelial neoplasia (See chapter 9) (/paragraphcontent/31/272)

Intraductal papillary neoplasm of the bile ducts (See chapter 9) (/paragraphcontent/31/273)

Mucinous cystic neoplasm of the liver and biliary system (/chaptercontent/31/88)

Malignant biliary tumours

Intrahepatic cholangiocarcinoma (/chaptercontent/31/90)

Combined hepatocellular-cholangiocarcinoma and undifferentiated primary liver carcinoma (/chaptercontent/31/91)

Hepatic neuroendocrine neoplasms (/chaptercontent/31/258)

9. Tumours of the gallbladder and extrahepatic bile ducts



Tumours of the gallbladder and extrahepatic bile ducts: Introduction (/paragraphcontent/31/102)

Epithelial tumours

Benign epithelial tumours and precursors

Pyloric gland adenoma of the gallbladder (/chaptercontent/31/105)

Biliary intraepithelial neoplasia (/chaptercontent/31/108)

Intracholecystic papillary neoplasm (formerly Intracystic / intraductal papillary neoplasm) (/chaptercontent/31/106)

Intraductal papillary neoplasm of the bile ducts (/chaptercontent/31/275)

Malignant epithelial tumours

Carcinoma of the gallbladder (/chaptercontent/31/110)

Carcinoma of the extrahepatic bile ducts (/chaptercontent/31/249)

Neuroendocrine neoplasms of the gallbladder and bile ducts (/chaptercontent/31/157)

10. Tumours of the pancreas



Tumours of the pancreas: Introduction (/paragraphcontent/31/114)

Epithelial tumours

Benign epithelial tumours and precursors

- Acinar cystic transformation of the pancreas (/chaptercontent/31/117)
- Serous neoplasms of the pancreas (/chaptercontent/31/118)
- Pancreatic intraepithelial neoplasia (/chaptercontent/31/120)
- Pancreatic intraductal papillary mucinous neoplasm (/chaptercontent/31/121)
- Pancreatic intraductal oncocytic papillary neoplasm (/chaptercontent/31/122)
- Pancreatic intraductal tubulopapillary neoplasm (/chaptercontent/31/123)
- Pancreatic mucinous cystic neoplasm (/chaptercontent/31/124)

Malignant epithelial tumours

- Pancreatic ductal adenocarcinoma (/chaptercontent/31/126)
- Pancreatic acinar cell carcinoma (/chaptercontent/31/130)
- Pancreatoblastoma (/chaptercontent/31/127)
- Solid pseudopapillary neoplasm of the pancreas (/chaptercontent/31/128)

Pancreatic neuroendocrine neoplasms

- Pancreatic neuroendocrine neoplasms: Introduction (/paragraphcontent/31/276)
- Non-functioning pancreatic neuroendocrine tumours (/chaptercontent/31/147)
- Functioning pancreatic neuroendocrine tumours
 - Insulinoma (/chaptercontent/31/148)
 - Gastrinoma (/chaptercontent/31/151)
 - VIPoma (/chaptercontent/31/152)
 - Glucagonoma (/chaptercontent/31/149)
 - Somatostatinoma (/chaptercontent/31/150)
 - ACTH-producing neuroendocrine tumour (/chaptercontent/31/154)
 - Serotonin-producing neuroendocrine tumour (/chaptercontent/31/153)
- Pancreatic neuroendocrine carcinoma (/chaptercontent/31/155)
- Pancreatic MiNENS (/chaptercontent/31/156)

11. Haematolymphoid tumours of the digestive system



Haematolymphoid tumours of the digestive system: Introduction (/paragraphcontent/31/165)

Haematolymphoid tumours

Site-specific haematolymphoid tumours

- Extranodal marginal zone lymphoma of mucosa-associated lymphoid tissue (MALT lymphoma) involving the digestive tract (/chaptercontent/31/168)
- Duodenal-type follicular lymphoma (/chaptercontent/31/169)
- Enteropathy-associated T-cell lymphoma (/chaptercontent/31/170)
- Monomorphic epitheliotropic intestinal T-cell lymphoma (/chaptercontent/31/171)
- Intestinal T-cell lymphoma NOS (/chaptercontent/31/172)
- Indolent T-cell lymphoproliferative disorder of the GI tract (/chaptercontent/31/173)
- Hepatosplenic T-cell lymphoma (/chaptercontent/31/174)
- EBV+ inflammatory follicular dendritic cell sarcoma of the digestive tract (/chaptercontent/31/175)

Haematolymphoid tumours occurring with some frequency in the digestive system

- Diffuse large B-cell lymphoma (/chaptercontent/31/177)
- Follicular lymphoma (/chaptercontent/31/178)

[Mantle cell lymphoma \(/chaptercontent/31/179\)](#)
[Burkitt lymphoma \(/chaptercontent/31/180\)](#)
[Plasmablastic lymphoma \(/chaptercontent/31/181\)](#)
[Posttransplant lymphoproliferative disorders \(/chaptercontent/31/182\)](#)
[Extranodal NK/T-cell lymphoma \(/chaptercontent/31/183\)](#)
[Systemic mastocytosis \(/chaptercontent/31/184\)](#)
[Langerhans cell histiocytosis \(/chaptercontent/31/246\)](#)
[Follicular dendritic cell sarcoma \(/chaptercontent/31/247\)](#)
[Histiocytic sarcoma \(/chaptercontent/31/248\)](#)

12. Mesenchymal tumours of the digestive system



Mesenchymal tumours of the digestive system: Introduction (/paragraphcontent/31/187)

Mesenchymal tumours

Gastrointestinal stromal tumour

[Gastrointestinal stromal tumour \(/chaptercontent/31/206\)](#)

Adipose tissue and (myo)fibroblastic tumours

[Inflammatory myofibroblastic tumour \(/chaptercontent/31/190\)](#)

[Desmoid fibromatosis \(/chaptercontent/31/191\)](#)

[Solitary fibrous tumour \(/chaptercontent/31/192\)](#)

[Lipoma \(/chaptercontent/31/193\)](#)

[Inflammatory fibroid polyp \(/chaptercontent/31/194\)](#)

[Plexiform fibromyxoma \(/chaptercontent/31/195\)](#)

Smooth muscle and skeletal muscle tumours

[Leiomyoma \(/chaptercontent/31/197\)](#)

[Leiomyosarcoma \(/chaptercontent/31/198\)](#)

[Rhabdomyosarcoma \(/chaptercontent/31/199\)](#)

Vascular and perivascular tumours

[Haemangioma \(/chaptercontent/31/201\)](#)

[Epithelioid haemangioendothelioma \(prev Vascular Tumours in Liver\) \(/chaptercontent/31/93\)](#)

[Kaposi sarcoma \(/chaptercontent/31/202\)](#)

[Angiosarcoma \(/chaptercontent/31/203\)](#)

[Glomus tumour \(/chaptercontent/31/204\)](#)

[Lymphangioma and lymphangiomatosis \(/chaptercontent/31/205\)](#)

Neural tumours

[Schwannoma \(/chaptercontent/31/208\)](#)

[Granular cell tumour \(/chaptercontent/31/209\)](#)

[Perineurioma \(/chaptercontent/31/210\)](#)

[Ganglioneuroma and ganglioneuromatosis \(/chaptercontent/31/211\)](#)

Tumours of uncertain differentiation

[PEComa, including angiomyolipoma \(/chaptercontent/31/95\)](#)

[Mesenchymal hamartoma of the liver \(/chaptercontent/31/214\)](#)

[Calcifying nested stromal-epithelial tumour of the liver \(/chaptercontent/31/96\)](#)

[Synovial sarcoma \(/chaptercontent/31/215\)](#)

[Gastrointestinal clear cell sarcoma / malignant gastrointestinal neuroectodermal tumour \(/chaptercontent/31/216\)](#)

[Embryonal sarcoma of the liver \(/chaptercontent/31/218\)](#)

13. Other tumours of the digestive system



Other tumours of the digestive system

Mucosal melanoma of the digestive system (/chaptercontent/31/223)

Germ cell tumours of the digestive system (/chaptercontent/31/98)

Digestive system metastases (/chaptercontent/31/224)

14. Genetic tumour syndromes of the digestive system



Genetic tumour syndromes of the digestive system: Introduction (/paragraphcontent/31/226)

Genetics

Genetic tumour syndromes of the digestive system

Lynch syndrome (/chaptercontent/31/231)

Familial adenomatous polyposis 1 (/chaptercontent/31/232)

GAPPS and other fundic gland polyposis (/chaptercontent/31/229)

Other adenomatous polyposis (/paragraphcontent/31/233)

Serrated polyposis (/chaptercontent/31/234)

Hereditary diffuse gastric cancer (/chaptercontent/31/230)

Familial pancreatic cancer (/chaptercontent/31/235)

Juvenile polyposis syndrome (/chaptercontent/31/236)

Peutz-Jeghers syndrome (/chaptercontent/31/243)

Cowden syndrome (/chaptercontent/31/244)

Other genetic tumour syndromes (/paragraphcontent/31/239)

Terms of use (<http://publications.iarc.fr/Terms-Of-Use>)

Privacy Policy (<https://www.iarc.fr/privacy-policy/>)

© IARC 1965-2022 — All Rights Reserved (<https://www.iarc.fr/copyright-notice/>)