

Appendix B SNOMED coding of gastroenteropancreatic neuroendocrine neoplasms

Topographical codes (T) and morphological codes (M)

Topographical codes are used in SNOMED to indicate the site of lesions and morphological codes (M) are used to indicate the morphological diagnosis.

SNOMED CT is a structured clinical vocabulary for use in an electronic health record. It is focused on what clinicians want to record at the point of patient care. It includes, but is not limited to, diagnoses, procedures, symptoms, family history, allergies, assessment tools, observations and medication.

| Topographical code | SNOMED 2/SNOMED 3 | SNOMED CT terminology | SNOMED CT code |
|--------------------|-------------------|--|----------------|
| Stomach | T-63000/T-57000 | Entire stomach (body structure) | 181246003 |
| Duodenum | T-64300/T-58000 | Entire duodenum (body structure) | 181247007 |
| Ampulla of Vater | T-64700/T-58700 | Entire ampulla of Vater (body structure) | 362200007 |
| Liver | T-56000/T-62000 | Entire liver (body structure) | 181268008 |
| Pancreas | T-65000/T-59000 | Pancreatic structure (body structure) | 15776009 |
| Jejunum | T-65100/T-58400 | Entire jejunem (body structure) | 181248002 |
| Ileum | T-65200/T-58600 | Entire ileum (body structure) | 181249005 |
| Appendix | -/T-66000 | Appendix structure (body structure) | 66754008 |
| Colon | T-67000/T-59300 | Colon structure (body structure) | 71854001 |
| Rectum | T-68000/T-59600 | Rectum structure (body structure) | 34402009 |

SNOMED M (WHO 2010 classification of GEP-NEN-based categories)² and CT codes

| Morphological code | SNOMED | SNOMED CT terminology | SNOMED CT code |
|-------------------------------------|---------------|--|-----------------------|
| NET G1 | M-82403 | Well-differentiated neuroendocrine tumor (morphologic abnormality) | 1286768001 |
| NET G2 | M-82493 | Well-differentiated neuroendocrine tumor grade 2 (morphologic abnormality) | 1286770005 |
| NET G3 | M-82493 | Well-differentiated neuroendocrine tumor grade 3 (morphologic abnormality) | 1286772002 |
| Small cell NEC | M-80413 | Small cell carcinoma (morphologic abnormality) | 74364000 |
| Large cell NEC | M-80133 | Large cell neuroendocrine carcinoma (morphologic abnormality) | 128628002 |
| Neuroendocrine carcinoma NOS | M-82463 | Neuroendocrine carcinoma (morphologic abnormality) | 55937004 |
| Mixed adenoneuroendocrine carcinoma | M-82443 | Composite carcinoid (morphologic abnormality) | 51465000 |
| Goblet cell carcinoid tumour | M-82433 | Goblet cell adenocarcinoma (morphologic abnormality) | 31396002 |
| EC-cell, serotonin-producing NET | M-82413 | Enterochromaffin cell carcinoid (morphologic abnormality) | 48554007 |
| Gastrinoma | M-81533 | Gastrinoma, malignant (morphologic abnormality) | 19756007 |
| Somatostatinoma | M-81563 | Somatostatinoma, malignant (morphologic abnormality) | 128643000 |
| Insulinoma | M-81513 | Insulinoma, malignant (morphologic abnormality) | 20955008 |
| Glucagonoma | M-81523 | Glucagonoma, malignant (morphologic abnormality) | 66515009 |
| VIPoma | M-81553 | ViPoma, malignant (morphologic abnormality) | 31131002 |
| Gangliocytic paraganglioma | M-8683/0 | Gangliocytic paraganglioma (morphologic abnormality) | 72787006 |

SNOMED M (WHO 2017 classification of PanNEN-based categories)³ and CT codes

| Morphological code | SNOMED | SNOMED CT terminology | SNOMED CT code |
|---|-----------------|--|--------------------------|
| NET G1 | M-82403 | Well-differentiated neuroendocrine tumor (morphologic abnormality) | 1286768001 |
| Well-differentiated neuroendocrine tumor grade 2 (morphologic abnormality) | 1286770005 | Well-differentiated neuroendocrine tumor grade 2 (morphologic abnormality) | 1286770005 |
| Small cell NEC | M-80413 | Small cell carcinoma (morphologic abnormality) | 74364000 |
| Large cell NEC | M-80133 | Large cell neuroendocrine carcinoma (morphologic abnormality) | 128628002 |
| Neuroendocrine carcinoma NOS* | M-82463 | Neuroendocrine carcinoma (morphologic abnormality) | 1286767006 |
| MiNENs: mixed ductal-neuroendocrine carcinoma mixed acinar-neuroendocrine carcinoma | M-81543 | Mixed islet cell and exocrine adenocarcinoma (morphologic abnormality) | 999000 |
| Non-functioning panNETs: NE microadenoma non-functioning panNET | M-81500 M-81503 | Islet cell adenoma (morphologic abnormality) Islet cell carcinoma (morphologic abnormality) | 76345009 60346004 |
| Somatostatinoma | M-81563 | Somatostatinoma, malignant (morphologic abnormality) | 128643000 |
| Insulinoma | M-81513 | Insulinoma, malignant (morphologic abnormality) | 20955008 |
| Glucagonoma | M-81523 | Glucagonoma, malignant (morphologic abnormality) | 66515009 |
| VIPoma | M-81553 | ViPoma, malignant (morphologic abnormality) | 31131002 |

| | | | |
|--|---------|--|-----------|
| ACTH-producing NET | M-81583 | Functioning endocrine tumour (morphologic abnormality) | 450891001 |
| *This ICD-O code should not be used for well-differentiated NET G3 pancreatic neuroendocrine neoplasms, which are coded using the functioning or non-functioning pancreatic neuroendocrine tumour codes. | | | |

Procedure codes (P)

These are used in SNOMED 2/3/RT to distinguish biopsies, partial resections and radical resections to indicate the nature of the procedure.

Local P codes should be recorded. At present, P codes vary according to the SNOMED system in use in different institutions, therefore local P codes should be recorded and used for audit purposes.