Revised: Dec 2017 Soft code: DUOAMPNET

DUODENUM AND AMPULLA NEUROENDOCRINE TUMOR

Note: For high-grade neuroendocrine carcinomas arising in the duodenum or ampulla, use the template for carcinomas from that site

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Duodenum, segmental resection
Pancreaticoduodenectomy (Whipple resection)
Resection of ____

Tumor Site (select all that apply)

Duodenum
Ampulla of Vater
Other (specify): ______
Cannot be determined

Tumor Size (greatest dimension): ___ cm

Specify size of largest tumor if multiple tumors are present

Tumor Focality

Unifocal

Multifocal, number of tumors:

Cannot be determined

Histologic Type and Grade:

G1: Well-differentiated neuroendocrine tumor

G2: Well-differentiated neuroendocrine tumor

G3: Well-differentiated neuroendocrine tumor

GX: Well-differentiated neuroendocrine tumor, grade cannot be assessed

<u>Grade</u>	Mitotic rate (/10 HPF)	Ki67 index (%)
G1	<2	<3
G2	2-20	3-20
G3	>20	>20

Mitotic Rate:

<2 mitoses per 2 mm²

2-20 mitoses per 2 mm²

>20 mitoses per 2 mm²

Cannot be determined (explain): _____

Note: 10 HPF is defined as a 2 mm² area. AJCC recommends counting 10mm² and dividing by 5. The area will vary based on your eyepiece field number. If your field number is "22" (written on your eyepiece), using a 40x objective, **42 HPF = 10mm²** & **8.4 HPF = 2mm²**

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Ki-67 Labeling Index:

AJCC recommends counting 500 to 2000 cells in area of highest labeling

Tumor Extension (for duodenal tumors): (select all that apply)

Invades mucosa
Invades submucosa
Invades muscularis propria
Invades pancreas
Invades peripancreatic adipose tissue
Penetrates visceral peritoneum (serosa)
Invades other organs (specify):

Cannot be assessed

Tumor Extension (for ampulla tumors): (select all that apply)

Confined to sphincter of Oddi

Invades through sphincter into duodenal submucosa

Invades through sphincter into duodenal muscularis propria

Invades the pancreas

Invades peripancreatic soft tissues

Penetrates visceral peritoneum (serosa)

Invades other organs (specify): _____

Cannot be assessed

Margins

- Negative (all margins including proximal, distal, and radial margins are uninvolved by tumor)
- Negative (all margins including proximal, distal, pancreatic parenchymal, bile duct, and retroperitoneal margins uninvolved by tumor)
- Involved by tumor (specify margin):
- Cannot be assessed

Lymphovascular Invasion

Not identified Present

Cannot be determined

Regional Lymph Nodes

No lymph nodes submitted or found

Number of lymph nodes involved / nodes examined:

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Distant Metastasis:

Yes, site(s): Unknown

Pathologic Stage Classification (AJCC 8th Edition)

TNM Descriptors (required only if applicable)

m (multiple primary tumors)
r (recurrent)
y (posttreatment)

Primary Tumor (pT)

T1: *Duodenal*: Tumor invades the mucosa or submucosa only and is ≤1 cm *Ampullary*: Tumor is ≤1 cm and confined within the sphincter of Oddi

T2: Duodenal: Tumor invades the muscularis propria or >1 cm (duodenal) Ampullary: Tumor invades through sphincter into duodenal submucosa or muscularis propria, or is >1 cm

T3: Tumor invades the pancreas or peripancreatic adipose tissue **T4**: Tumor invades the visceral peritoneum (serosa) or other organs

Regional Lymph Nodes (pN)

N0: No regional lymph node involvement **N1**: Regional lymph node involvement

Distant Metastasis (pM) (required only if confirmed pathologically in this case)

M1: Distant metastasis

M1a: Metastasis confined to liver

M1b: Metastasis in at least one extrahepatic site (eg, lung, ovary, nonregional lymph node, peritoneum, bone)

M1c: Both hepatic and extrahepatic metastases