



Coding stage – Session 7:

Neuro-endocrine tumours

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# Criteria TNM classification for Neuroendocrine tumours

1. **Merkel cell** carcinoma of the skin => separate specific TNM classification
2. **NET of the lung**=>TNM according to lung carcinoma
3. Well differentiated **NET of the GI tract**:  
G1/G2 NET: specific TNM classification
4. **High grade (Grade 3) neuroendocrine carcinoma** are classified according to the respective tumour site (carcinoma)

<b>Preface</b>	XII
<b>Acknowledgments</b>	XIV
<b>Organizations Associated with the TNM System</b>	XV
<b>Members of UICC Committees Associated with the TNM System</b>	XVI
<b>Section Editors</b>	XVII

## Introduction

1

## Head and Neck Tumours

17

Lip and Oral Cavity	18
Pharynx	22
Larynx	31
Nasal Cavity and Paranasal Sinuses	36
Unknown Primary – Cervical Nodes	40
Malignant Melanoma of Upper Aerodigestive Tract	45
Major Salivary Glands	47
Thyroid Gland	51

## Digestive System Tumours

55

Oesophagus and Oesophagogastric Junction	57
Stomach	63
Small Intestine	67
Appendix	70
Colon and Rectum	73
Anal Canal and Perianal Skin	77
Liver	80
Intrahepatic Bile Ducts	83
Gallbladder	85
Perihilar Bile Ducts	87
Distal Extrahepatic Bile Duct	89
Ampulla of Vater	91

Pancreas	93
Well-Differentiated Neuroendocrine Tumours of the Gastrointestinal Tract	96

## Lung, Pleural, and Thymic Tumours

105

Lung	106
Pleural Mesothelioma	113
Thymic Tumours	115

## Tumours of Bone and Soft Tissues

119

Bone	120
Soft Tissues	124
Gastrointestinal Stromal Tumour (GIST)	127

## Skin Tumours

131

Carcinoma of Skin	133
Skin Carcinoma of the Head and Neck	136
Carcinoma of Skin of the Eyelid	139
Malignant Melanoma of Skin	142
Merkel Cell Carcinoma of Skin	147

## Breast Tumours

151

## Gynaecological Tumours

159

Vulva	161
Vagina	164
Cervix Uteri	166
Uterus – Endometrium	171
Uterine Sarcomas	175
Ovarian, Fallopian Tube, and Primary Peritoneal Carcinoma	179
Gestational Trophoblastic Neoplasms	184

## Urological Tumours

187

Penis	188
Prostate	191
Testis	195
Kidney	199

Renal Pelvis and Ureter	202
Urinary Bladder	204
Urethra	208

## Adrenal Cortex

211

<b>Ophthalmic Tumours</b>	215
Carcinoma of Conjunctiva	216
Malignant Melanoma of Conjunctiva	218
Malignant Melanoma of Uvea	221
Retinoblastoma	226
Sarcoma of Orbit	230
Carcinoma of Lacrimal Gland	232

## Hodgkin Lymphoma

235

## Non-Hodgkin Lymphomas

239

## Essential TNM

241

<b>Paediatric Tumours</b>	247
Gastrointestinal Tumours	247
Bone and Soft Tissue Tumours	248
Gynaecological Tumours	249
Urological Tumours	250
Ophthalmic Tumours	251
Malignant Lymphoma	252
Central Nervous System	252



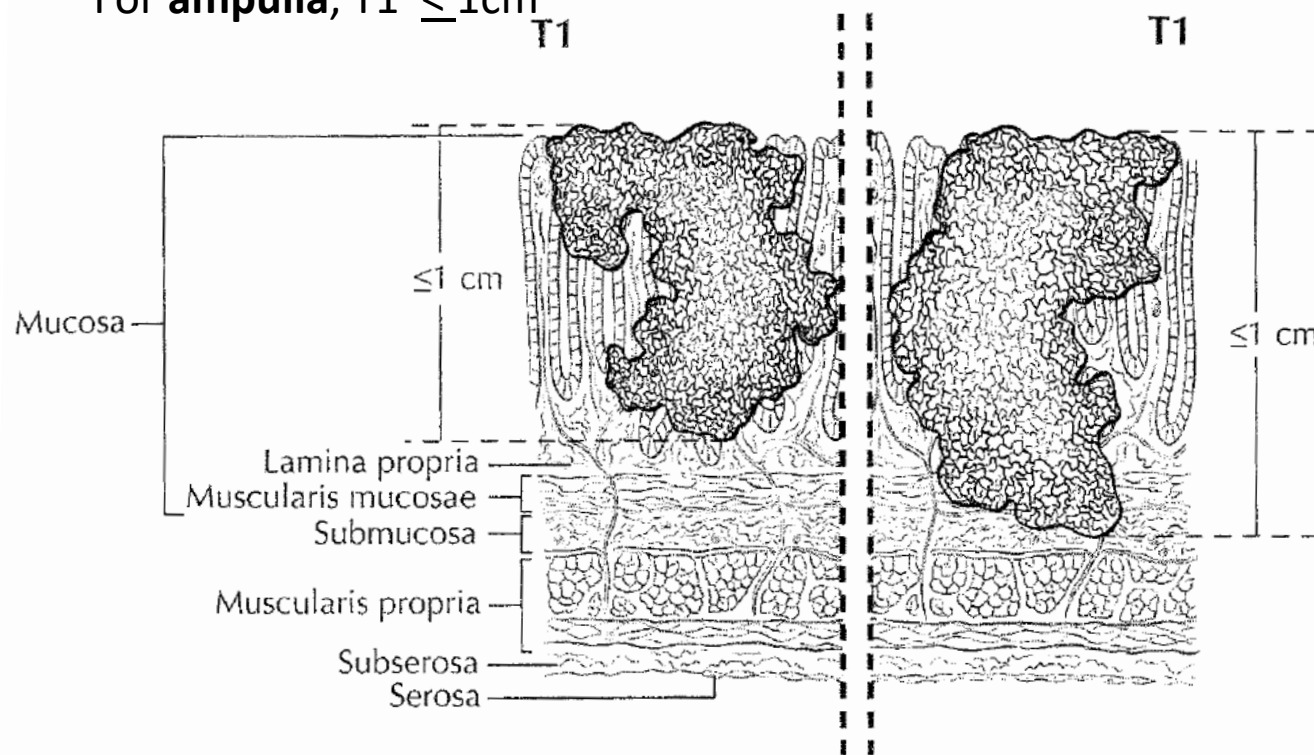
# Well differentiated NET (G1-G2): T-category

- **Different T-categories** for:
  - Stomach
  - Duodenal/ampullary
  - Jejunum/Ileum
  - Appendix
  - Colon and Rectum
  - Pancreas
- **T depends on depth of invasion / dimensions / extensions**
  - T4: Tumour perforates visceral peritoneum (serosa) or invades other organs
  - T4 pancreas: T invades adjacent organs or the wall of large vessels (coeliac axis or SMA)

# Example T-category NET G1-G2 duodenum

**Duodenum, T1** invades lamina propria (left side) or submucosa (right side) and size  $\leq 1$ cm

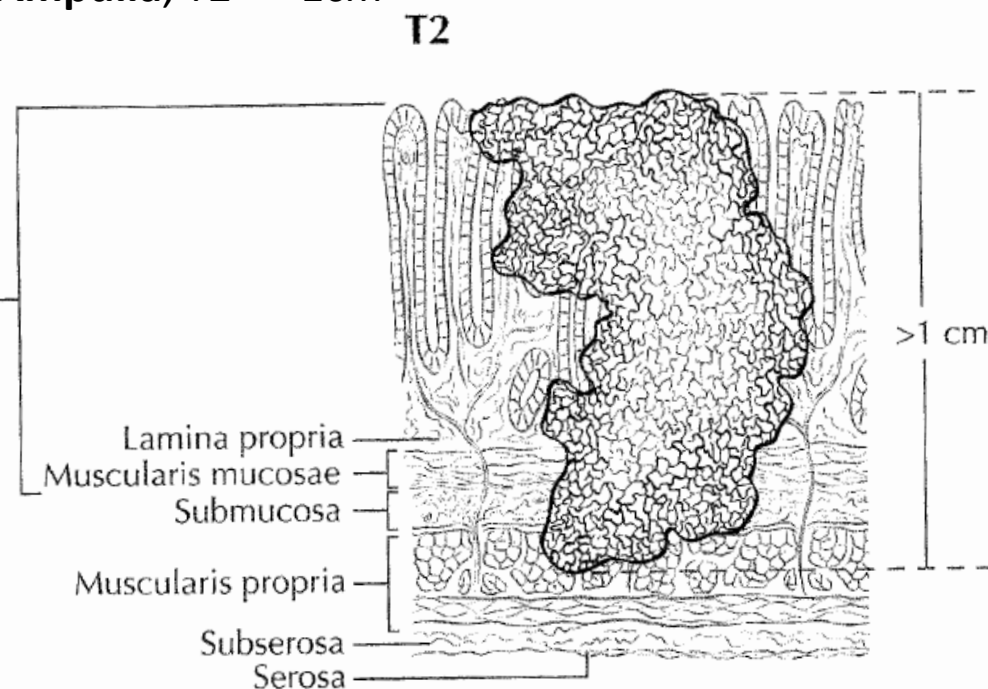
For **ampulla, T1**  $\leq 1$ cm



**Duodenum,**

**T2** invades muscularis propria or size  $> 1$ cm.

**Ampulla, T2**  $> 1$ cm



# Well differentiated NET: N and M-category

- **N0 – N1**: regional lymph nodes correspond to those of the sites for carcinoma
  - All localisations: only N0 or N1
  - 1 exception: jejunum/ileum tumours: N1 – N2: concept of '*mesenteric mass*'
    - N1: less than 12 regional N+ (without mesenteric mass(es) >2cm)
    - N2:  $\geq 12$  nodes +/- mesenteric mass(es) >2cm
- **pT and pN** correspond to the **cT and cN** categories
  - Regional lymph nodes description: see TNM for specific 'carcinoma' sites
- **M0 – M1**
  - M1a hepatic metastasis only
  - M1b Extrahepatic metastasis only
  - M1c Hepatic and extrahepatic metastasis

