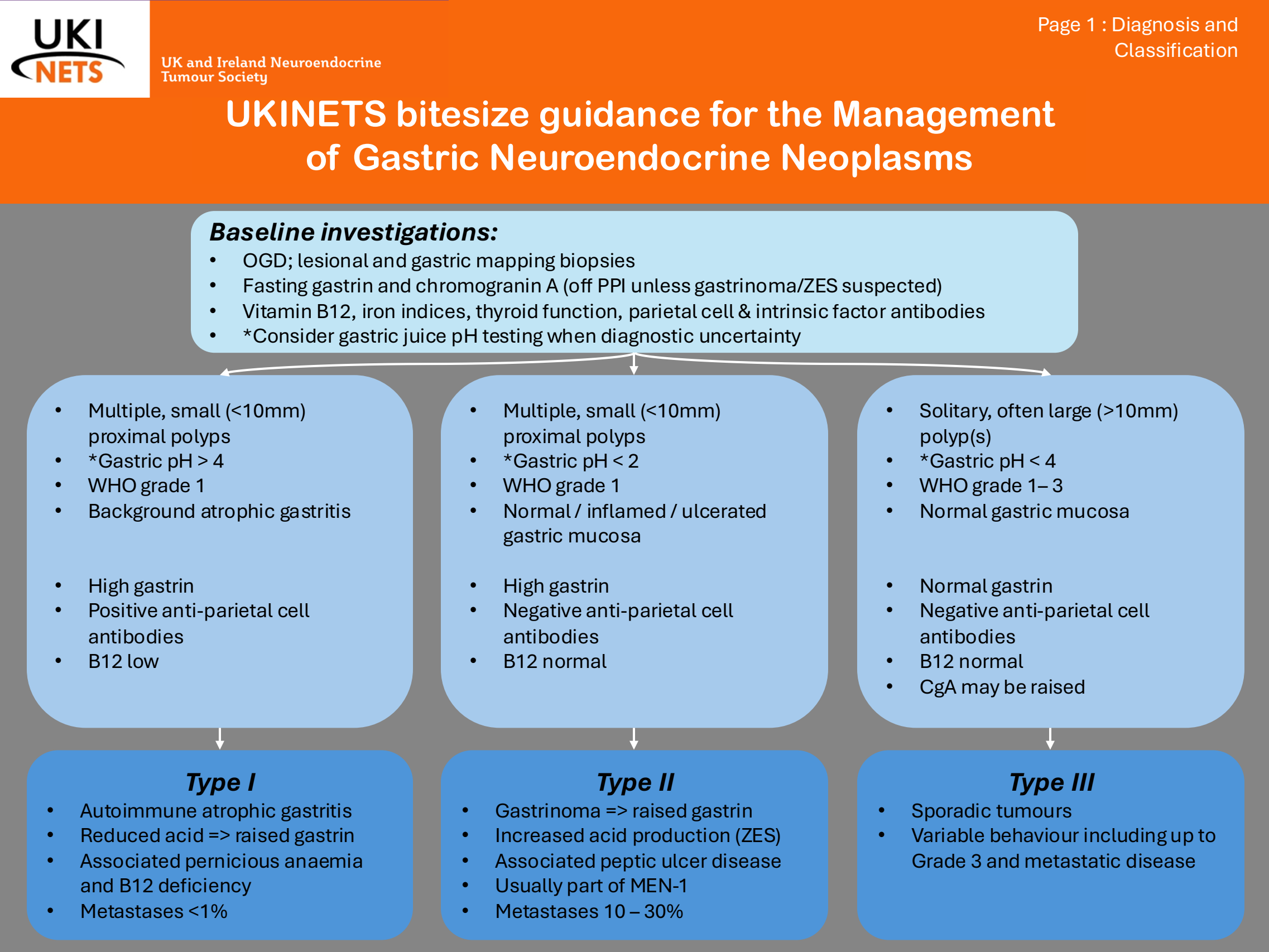




UKINETS bitesize guidance for the Management of Gastric Neuroendocrine Neoplasms

Modality

Endoscopic Ultrasound:

- Size
- Depth of invasion
- Local nodal involvement

Cross-sectional imaging:

- Enhanced thoracoabdominal CT
- Enhanced liver MRI

Functional imaging:

- ⁶⁸Ga-SSA PET-CT

Indicated for:

- Larger (>10mm) gastric tumours
- Type III G-NENs

- Type I with high-risk features (grade 2 or 3, ≥ 10mm, lymphovascular invasion)
- Type II & III G-NENs

- Larger (>10mm) gastric tumours
- 'High' grade 2 (Ki 67 >10%)
- Incomplete endoscopic resection
- Type II and III G-NENs

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	Type I	Type II	Type III
Endoscopic resection	- Tumours 10 – 20mm 'Low' grade 2 (Ki67 <10%) - AND T1a without nodal or metastatic disease	- Tumours 10 – 20mm 'Low' grade 2 (Ki67 <10%) - AND T1a without nodal or metastatic disease	- Grade 1 tumours <10mm - AND T1a without nodal or metastatic disease 'Low' grade 2, up to 15mm when surgery contraindicated
Surgery	- Tumours >20mm 'High' grade 2 (Ki67 >10%) - T1b, lymphovascular invasion or local nodal disease	Identify & resect gastrinoma where possible	- Tumours >10mm - Grade 2 - 3 - T1b, lymphovascular invasion or local nodal disease / resectable metastases
Medical treatment	SSAs: - Tumours >10mm 'High' grade 2 (Ki67 >10%) - Resection not possible	SSAs: - When gastrinoma not identified / resected - When indicated as part of MEN-1 treatment PPIs - When required for ZES	Systemic treatment - Unresectable metastatic disease - Selected depending on grade / stage
Surveillance	12-24 monthly OGD 12 monthly OGD after endoscopic resection	12-24 monthly OGD 12 monthly OGD after endoscopic resection	3 month OGD after endoscopic resection - Cross-sectional imaging surveillance after surgery

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- Panzuto F, Ramage J, Pritchard DM, van Velthuisen MF, Schrader J, Begum N, Sundin A, Falconi M, O'Toole D. European Neuroendocrine Tumor Society (ENETS) 2023 guidance paper for gastroduodenal neuroendocrine tumours (NETs) G1-G3. J Neuroendocrinol. 2023 Aug;35(8):e13306. doi: 10.1111/jne.13306. Epub 2023 Jul 4. PMID: 37401795.