

TABLE 1. Summary of characteristics of case reports describing Mixed Neuroendocrine-Non-Neuroendocrine Neoplasms (MiNEN).

Authors	Year of publication	Tumour location	TNM Stage	Histologicalcomponents	Immunohistochemistry	TreatmentApproach	PatientOutcome
Kawazoeetal. [17]	2018	Left wall of the lower third of the oesophagus	T1N0M0	Well to moderately differentiated adenocarcinoma Small cell NEC	Adenocarcinoma: (-) Small cell NEC: Synaptophysin (+) Chromogranin A (-) p40 (-) Ki67 index: 50%	Distal oesophagectomy Proximal gastrectomy Regional lymph node dissection Closefollow-up	Uneventful postoperative course Discharged on the 19 th postoperative day No sign of recurrence after 4 months
Kadhimetal. [18]	2016	Distal oesophagus GEJ	NA (Lymph node metastases present)	Highlydifferentiatedadeno- carcinoma NEC	Adenocarcinoma: (-) NEC: Synaptophysin (+) Chromogranin A (+) Ki67 index: Up to 50% 17 mitosis/10 HPFs	Macroradicaltransthoracic oesophagus resection	NA
Mendoza- Morenoetal. [10]	2018	GEJ	T3N2M0	60% Moderately differentiated adenocarcinoma 40% Well differentiated NEC	Adenocarcinoma: (-) NEC: Synaptophysin (+) Chromogranin A (+)	NA	Uneventful postoperative course Discharged on the 10 th day of admission
Golombeketal. [19]	2019	GEJ (Siewert type 1)	NA (Distant- metastasespresent)	Highly differentiated adenocarcinoma Small cell NEC	Adenocarcinoma: HER2/neu: 3+ score Small cell NEC: Ki67 index: >70%	Palliative therapy First line Chemotherapy: Cisplatin, Etoposide Change due to Cisplatin adverse effects: Carboplatin, Etoposide, Trastuzumab Second line Chemotherapy: Topotecan ThirdlineChemotherapy: VDC	After first line chemotherapy: Cisplatin associated orbital and optic nerve toxicity Treated with cortisone therapy Tumor progression could not be halted despite escalation of therapy Patient died 9 months after presentation
Gushimaetal. [20]	2022	Lower thoracic oesophagus	T1N0M0	35% Welldifferentiatedtubu- lar adenocarcinoma 65% NEC	Adenocarcinoma: (-) NEC: Synaptophysin (+) Chromogranin (+) NCAM (+) Ki67 index:Upto>80%	ESD Closefollow-up	No signs of recurrence 2 years after treatment

NEC: Neuroendocrine Carcinoma, GEJ: Gastroesophageal junction, NCAM: Neural Cell Adhesion Molecule, NA: Not Available, HPF: High Power Field, VDC: Vincristine, Doxorubicin, Cyclophosphamide, ESD: Endoscopic Submucosal Dissection