

Supplementary information to:

Case report:

**THE HIDDEN PATH OF MYCOBACTERIUM:
A CASE SERIES OF RARE AND ELUSIVE MANIFESTATIONS
OF GASTROINTESTINAL TUBERCULOSIS**

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Supplementary Table 1: Summary of reported cases of duodenal tuberculosis with gastric outlet obstruction

| Authors, year | Country of author | Age/sex | Symptoms | Onset time | PTB | Part of lesion | Pre-treatment diagnosis | Treatment (surgical procedure) | Diagnostic method (tool of Bx) | Response to treatment |
|---------------------------|-------------------|---------|--|------------|-----|----------------|----------------------------|--|--------------------------------|------------------------------|
| Ahmad and Ahmed, 1985 | Pakistan | 22/M | Bowel obstruction, Fever | 4 M | (-) | D3 | – | Operation → ATT (Duodenojejunostomy) | Pathological (Surgical) | – |
| | | 8/M | Vomit, Abdominal pain | Few M | (-) | D3 | – | ATT only | Empirical treatment | 1 M for weight gain |
| Kriplani et al., 1986 | India | 45/M | Fullness, Vomit, Weight loss | 6 M | (+) | D3 | – | Operation → ATT (Gastroenterostomy, Truncal vagotomy) | Pathological (Surgical) | – |
| Mani and Rananavare, 1996 | India | 18/M | Epigastric pain, Vomit | 6 M | (+) | D2 | – | Operation → ATT (Gastroenterostomy, Truncal vagotomy) | Pathological (Surgical) | 6 M for symptom free |
| Rautou et al., 2005 | French | 32/M | Abdominal pain, Esophagitis, Duodenal stenosis | – | (-) | D2 | Zollinger–Ellison syndrome | Operation → ATT (Pancreatoduodenectomy) | Pathological (Surgical) | – |
| Benzekri et al., 2008 | Morocco | 60/M | Abdominal pain, Vomit, Weight loss | 1 M | (-) | D1 | – | Operation → ATT (Gastroenterostomy) | Pathological (Surgical) | 11 M for symptom improvement |
| | | 57/M | Epigastric pain, Vomit, Weight loss | 6 M | (-) | D3 | – | Operation → ATT (Duodenojejunectomy, Duodenojejunostomy) | Pathological (Surgical) | 3Y for symptom free |

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|--------------------------------|-------------|------|--|-----|-----|--------|---|--|---|--|
| Flores et al., 2011 | Philippines | 31/M | Epigastric pain, Vomit | 1Y | (-) | D1 | Peptic ulcer | Operation → ATT (Gastrojejunostomy) | Pathological (Surgical) | 3 M for symptom free |
| Al-Hilou et al., 2011 | UK | 62/F | Heartburn, Chest discomfort, Malaise, Weight loss | 9 M | (-) | D2 | Suspicious of TB | ATT only | Pathological, Bacteriological (EUS-FNA, Surgical) | – |
| Chawla et al., 2012 | India | 42/M | Epigastric pain, Fullness, Vomit | 25D | (-) | D3 | – | Operation → ATT (Gastrojejunostomy, Jejunostomy) | Pathological (Surgical) | – |
| Padmanabhan et al., 2013 | UK | 33/M | Dyspepsia, GOO, Weight loss | 3Y | (-) | D1, D2 | Crohn's disease or TB or Peptic ulcer | Endoscopic balloon dilation + ATT | Bacteriological (Endoscopic) | 3 M for improvement of endoscopic findings |
| Sisodiya and Ramachandra, 2013 | India | 35/F | Fullness, Vomit, Weight loss | 3Y | (-) | D3 | SMA syndrome, Duodenal stricture | Operation → ATT (Jejunum resection, Duodenojejunostomy, Ileocecal resection) | Pathological (Surgical) | – |
| Fatemi et al., 2014 | Iran | 18/F | Abdominal pain, Nausea, Vomit, Fatigue, Powerless, Weight loss | 4 M | (-) | D2, D3 | Retroperitoneal lymphoma or GIST or Desmoid tumor | Operation → ATT (Gastrojejunostomy) | Pathological, Bacteriological, PCR (Surgical) | – |

| | | | | | | | | | | |
|----------------------------------|----------|------|---|-----|-----|--------|--------------------|---|--|--|
| Kalpande et al., 2017 | India | 13/M | Vomit, Fever, Epigastric pain, Weight loss | 14D | (-) | D1, D2 | Peptic ulcer | Operation → ATT (Gastrojejunostomy) | Pathological (Surgical) | 3 M for partial improvement of endoscopic findings |
| Lee et al., 2017 | Korea | 47/F | Vomit, Weight loss | 1 M | (+) | D3, D4 | TB | ATT → Operation (Laparoscopic duodenojejunostomy) | PCR (Endoscopic) | – |
| Udgirkar et al., 2018 | India | 24/F | Vomit, Fever, Weight loss | 1 M | (-) | D1, D2 | TB | ATT only | Pathological, Bacteriological (Endoscopic) | 6 M for improvement of endoscopic findings |
| | | 22/F | Upper abdominal pain, Vomit | 1 M | (-) | D1 | TB | ATT only | Bacteriological (Endoscopic) | 5 M for improvement of endoscopic findings |
| Meregildo-Rodríguez et al., 2019 | Peru | 31/M | Fullness, Epigastric pain, Nausea, Vomit, Weight loss | 4 M | (-) | D2, D3 | Duodenal stricture | ATT only | Pathological (Endoscopic) | 2 M for symptom improvement |
| Chang et al., 2020 | Thailand | 52/M | Abdominal pain, Early satiety, Weight loss | 3 M | (-) | D2 | Peptic stricture | Endoscopic balloon dilation → ATT | Bacteriological (Endoscopic) | 6 M for some improvement and 12 M for complete resolution of endoscopic findings |

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|---|----------|------|---|-----|-----|----------------|----|--|--|---|
| Molla et al., 2023 | Ethiopia | 48/M | Vomit, Epigastric pain, Weight loss | 1Y | (-) | D2, D3 | TB | ATT only | Pathological (Endoscopic) | 6 M for symptom improvement |
| Sato et al., 2024 | Japan | 35/M | Epigastric pain, Fullness, Vomit, Weight loss | 1 M | (+) | D1, D2 | TB | Operation → ATT (Laparoscopic gastrojejunostomy) | Pathological (EUS-FNA), Bacteriological (Septum PCR) | Persistent stenosis at 6 M endoscopy |
| Our case (Yadav et al., 2026; this publication) | India | 24?M | Vomiting, Pain abdomen, Fullness, Weight loss | 1M | (+) | D1-d2 junction | TB | ATT | Pathological (Endoscopic) | 6 M for complete symptomatic resolution |

Abbreviations: ATT Antituberculosis treatment, Bx biopsy, D Days, EUS-FNA Endoscopic ultrasound-guided fine-needle aspiration, GIST Gastrointestinal stromal tumor, GOO Gastric outlet obstruction, M Months, PCR Polymerase chain reaction, PTB Pulmonary tuberculosis, SMA Superior mesenteric artery, TB Tuberculosis, UK United kingdom, Y Years, – Not mentioned

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