



Introduction

- The gastrointestinal (GI) tract is involved in many familial cancer syndromes usually involving the colon or stomach
- We present a patient with three rare cancers that were detected within a span of 2 years in a single individual: clear cell renal cell carcinoma (ccRCC), cholangiocarcinoma (CCA), and esophageal squamous cell carcinoma (SCC); a combination not previously described in the literature

Case Presentation

A 50-year-old male with a history of ccRCC, GERD, and CCA was admitted for evaluation of chronic abdominal pain during chemotherapy for CCA

- He noted a 15-year history of episodic abdominal pain and vomiting with no dysphagia or weight loss
- Regarding his cancer history, ccRCC was incidentally diagnosed 18 months prior on a CT scan for diverticulitis. He underwent a left partial nephrectomy. Surveillance CT imaging 6 months after surgery revealed new incidental liver lesions. Biopsies confirmed metastatic CCA and he started chemotherapy.
- Upper endoscopy 16 months prior was normal
- Family history was significant for multiple cancers at a young age on his maternal side of unknown type
- Physical exam showed diffuse abdominal tenderness, worse in the epigastrium without guarding
- Labs showed mild anemia, normal BMP/LFTs, and negative *H.Pylori* stool antigen

Incidentally Diagnosed Triple Cancers within 2 years: A Novel Case of Rare Metachronous Cancers, Renal Cell Carcinoma, Cholangiocarcinoma, and Squamous Cell Carcinoma of the Gastroesophageal Junction Anjeli Manam, BS¹; Krutika Lakhoo, MD²; Itishree Trivedi, MD, MS²

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- abnormal pit pattern under narrow band imaging (Figure 1)
- EGJ
- Genetic testing was positive for BAP1 tumor predisposition syndrome (BAP1-TPDS)
- radiation therapy

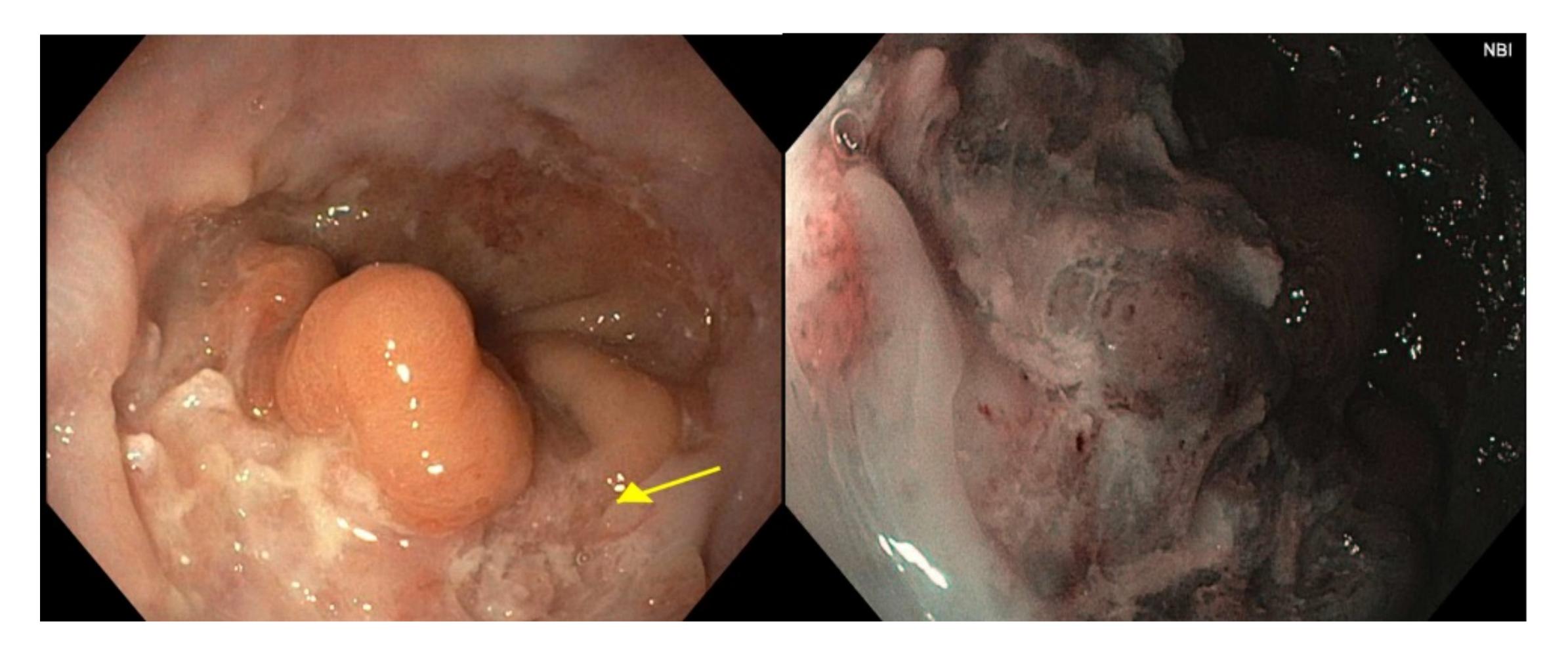


Figure 1: Left panel showing abnormal nodular mucosa adjacent to the gastro-esophageal junction under high-definition white light imaging. Right panel showing the same area under narrow band imaging.

Upper endoscopy found nodularity adjacent to the esophagogastric junction (EGJ) with

Biopsies confirmed invasive SCC. Staging endoscopic ultrasound showed T3N3 SCC of the

• The patient was referred to Radiation Oncology and started concurrent chemotherapy and



Discussion

- BAP1-TPDS is an uncommon autosomal dominant syndrome caused by germline mutation in a tumor suppressor gene
- Patients typically present with melanocytic tumors or malignant mesotheliomas but are at risk for RCC, hepatocellular carcinoma, meningioma and CCA
- Literature has not revealed esophageal SCC to be associated
- In addition to the incidental nature and timing of diagnosis of all three of these cancers within a short period of 2 years, the GI tract involvement is unusual
- This case suggests atypical EGJ-SCC may be considered as part of the BAP1-TPDS tumor spectrum and warrant additional screening for at-risk individuals

References

. Pilarski R, Carlo MI, Cebulla C, et al. BAP1 Tumor Predisposition Syndrome. 2016 Oct 13 [Updated 2022] Mar 24]. In: Adam MP, Mirzaa GM, Pagon RA, et al., GeneReviews® editors. [Internet]. Seattle (WA): University of Washington, Seattle; 1993-2022. Available from: https://www.ncbi.nlm.nih.gov/books/NBK3906111/