

INTRO

CASE

Immunosuppression and the Course of Gastric Cancer: A Role For Closer Surveillance Sriya Bhumi, MD, MBA¹; Jaimy Villavicencio, MD²; Elizabeth Richardson, DO³

VITALS/PE

Vitals: T 98, BP 138/79, HR 85, SpO2 95%

HEENT: Sclera white <u>Abd</u>: Soft, nondistended, nontender. BS normoactive MSK: No jaundice

- prognosis.

- 10.1067/msy.2002.127670. PMID: 12407362.
- 11;13(1):e00432. PMID: 34597278; PMCID: PMC8487777.

DIAGNOSTICS

OBJECTIVE

DISCUSSION

REFERENCES

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Predisposed patients with gastric intestinal metaplasia (IM) have an increased risk of progression to gastric cancer by 3 fold Literature is sparse in terms of surveillance of gastric cancer in transplant patients, regardless of the presence of IM Our case illustrates how aggressively gastric cancer could progress when a predisposed patient with IM is also immunosuppressed

A 63 y/o M with an orthotopic liver transplant 5 years prior for cirrhosis secondary to autoimmune hepatitis on immunosuppressants, presented to clinic with weight loss and nausea. He had incomplete IM of the antrum found 2 years ago during an endoscopy.



Endoscopy revealed a fungating mass in the cardia and body (Fig. 1a, b). Biopsies showed metastatic signet ring adenocarcinoma. The patient passed away within two months of diagnosis.

Our patient had multiple risk factors for gastric cancer including incomplete, noncardia metaplasia and immunosuppression. Chronic immunosuppression is associated with worse 5-year survival rates, suggesting a more aggressive course of gastric cancer. Incidental diagnoses of gastric cancer in immunosuppressed transplant recipients resulted in earlier stage malignancy with better

Knowing these facts, we suggest a possible role for gastric cancer screening and/or surveillance in these patients. Further research to address differences among specific organ transplants, immunosuppression regimens, and their associated gastric cancer risk should be considered

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The Hospital ^f Connect to healthier.[™]