Introduction

• Acute pancreatitis is one of the most common conditions seen by gastroenterologists¹
• Top Etiologies of Acute Pancreatitis²:
  1) Gallstones,
  2) Alcohol
  3) Medications
• Medical education provides learners with information to create broad differentials. Diagnoses that are less common have been termed "zebras”

Case Report

• 65-year-old with a past medical history of hypertension on HCTZ
• Patient Presentation: one day of epigastric abdominal pain radiating to the left flank, nausea, and emesis.
• Labs: lipase of 16,000, transaminitis, and leukocytosis.
• CT Abdomen: acute pancreatitis (left image) and L. hydronephrosis 2/2 obstructing 1.1 cm calcified ureteral calculus (right image)

• Initial leading diagnosis: drug-induced acute pancreatitis secondary to HCTZ in a patient with calcium dysregulation
• Management: IVF, pain control, NPO for ureteral stent placement, d/c HCTZ, right upper quadrant ultrasound (which revealed cholelithiasis and diffuse hepatic steatosis)
• Final Diagnosis: gallstone pancreatitis
• Outcome: advanced diet successfully to low fat, patient to have outpatient laparoscopic cholecystectomy and continue a new antihypertensive regimen

Conclusion

• Cognitive bias can cause diagnosticians to misidentify "zebras among the horses”³
• In this case, the presumed etiology of a patient’s medical condition was influenced by anchoring as HCTZ is a very rare cause of pancreatitis
• Identifying types of bias in practice allows physicians to improve their overall clinical and diagnostic skills.

Project Aim

We aim to review how cognitive bias, including anchoring, can lead clinicians to inappropriately diagnose rare causes of common diseases like gallstone versus hydrochlorothiazide (HCTZ) induced acute pancreatitis.

References