

# 66 year old male presenting with lower abdominal pain

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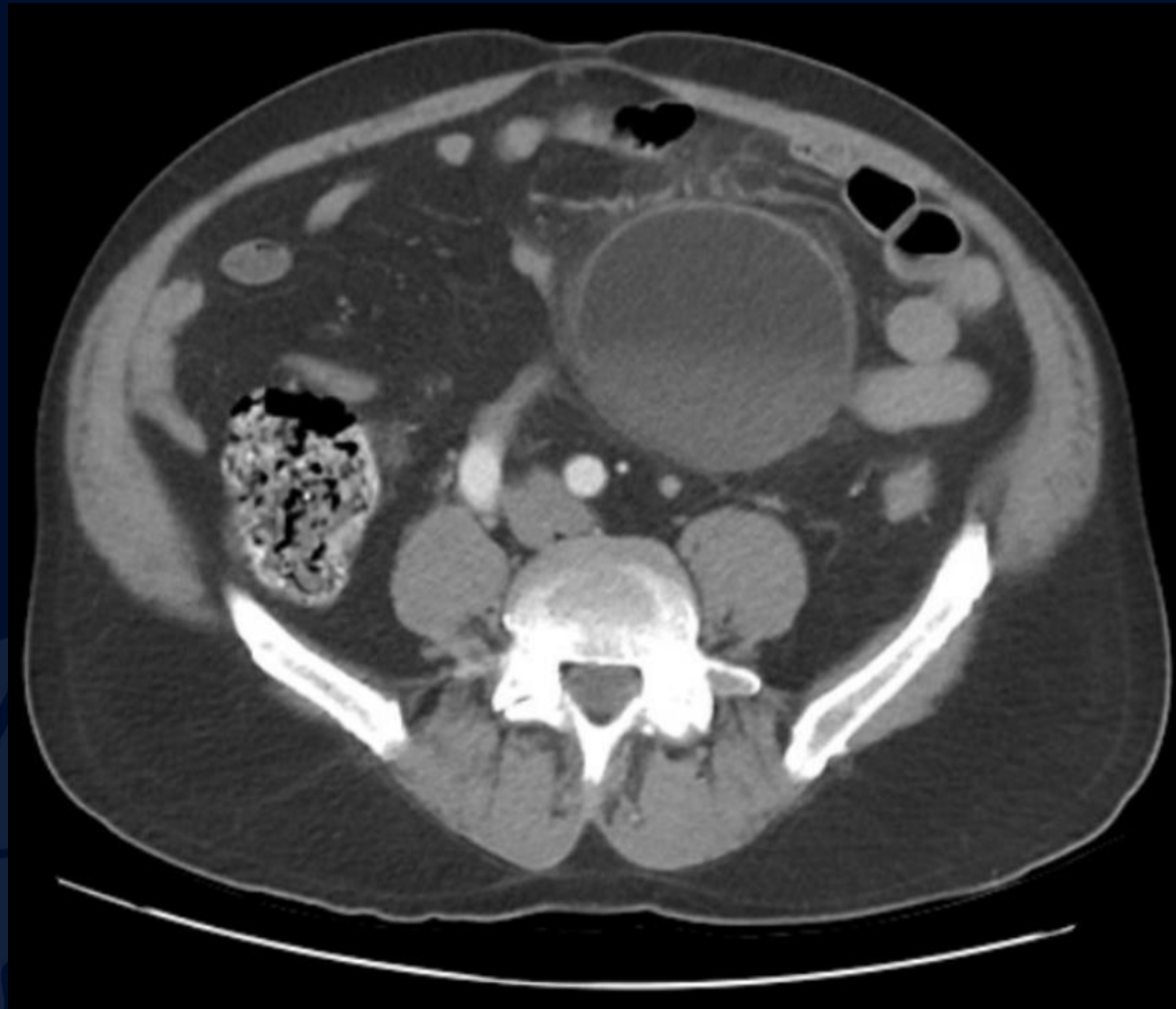
# CT with IV contrast



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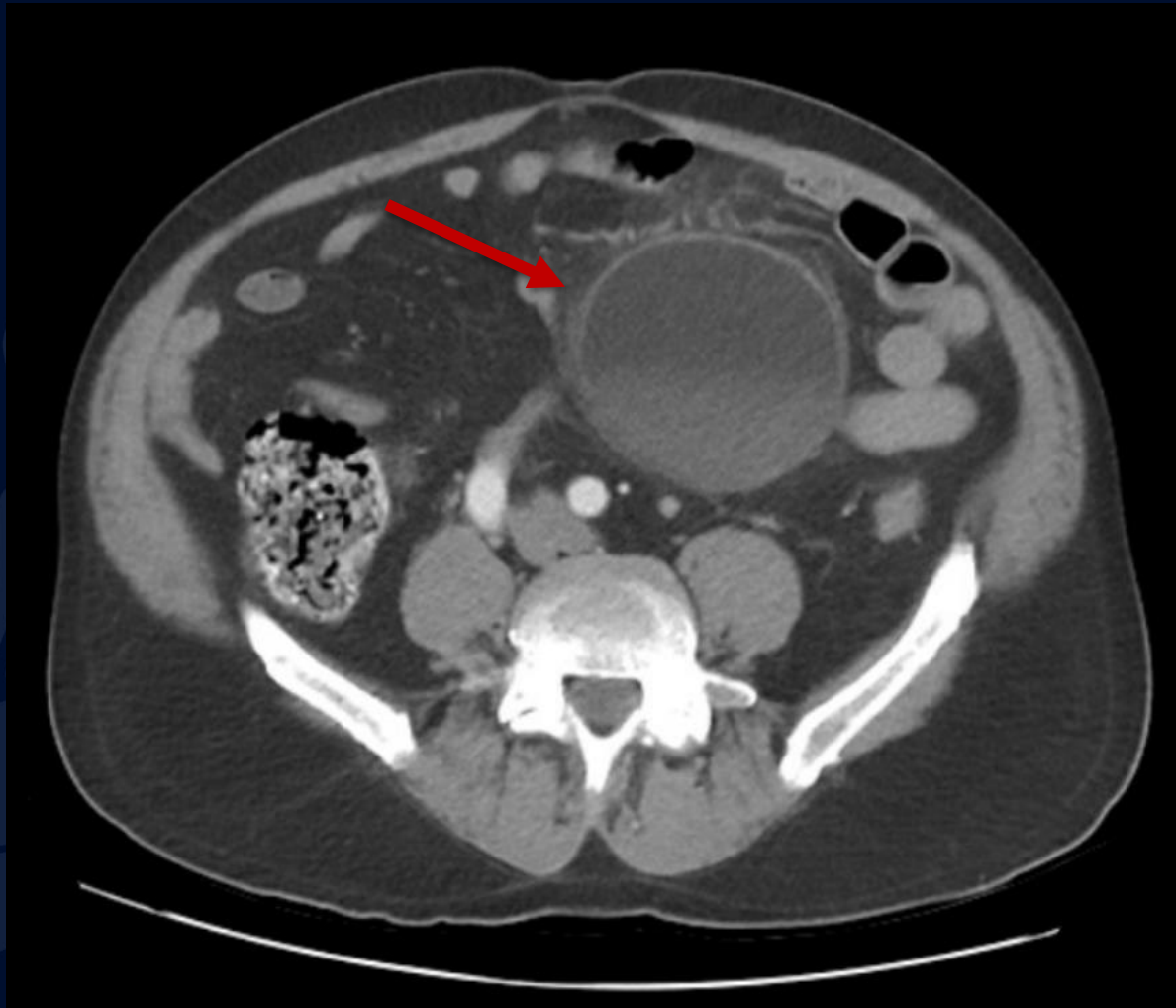


A large, stylized oak leaf graphic in a dark blue color, positioned on the left side of the slide. It features detailed vein patterns and a lobed edge.

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# Mesenteric Cyst

## CT with IV contrast



Cystic lesion within the small bowel mesentery with fluid-fluid levels

# CT with IV contrast



Mildly thickened wall  
surrounding cystic  
structure



# Mesenteric Cyst

Mesenteric cyst is the term to describe any cystic mass in the mesentery

Histological classification includes

- Simple Mesothelial Cyst – mesothelium lined
- Chylolymphatic cyst or cystic lymphangioma – endothelium lined
- Enteric duplication cyst – epithelium lined
- Non-pancreatic pseudocyst – no cellular lining

Clinical Presentation

- Small mesenteric cysts may be asymptomatic and discovered as an incidental finding on imaging
- Larger mesenteric cysts present with nonspecific gastrointestinal symptoms such as abdominal pain, mass, or abdominal distention

Epidemiology

- The reported incidence of mesenteric cysts range from 1 in 100,000 to 250,000 hospital admissions

# Imaging Findings

## Ultrasound

- Well-defined, anechoic, spheroid structures
- Posterior acoustic enhancement
- No internal flow with doppler imaging

## CT

- Well circumscribed, spheroid lesion
  - Homogenous near water attenuation → simple fluid
  - Lower than water attenuation and fluid-fluid levels → chylous or lipid contents

## MRI

- Chylous components will appear hyperintense on T2 weighted imaging and lose signal intensity on T1 weighted imaging

# References

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