27-year-old female who recently underwent a cesarean section presenting with RLQ abdominal pain

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CT abdomen and pelvis with IV contrast (coronal)





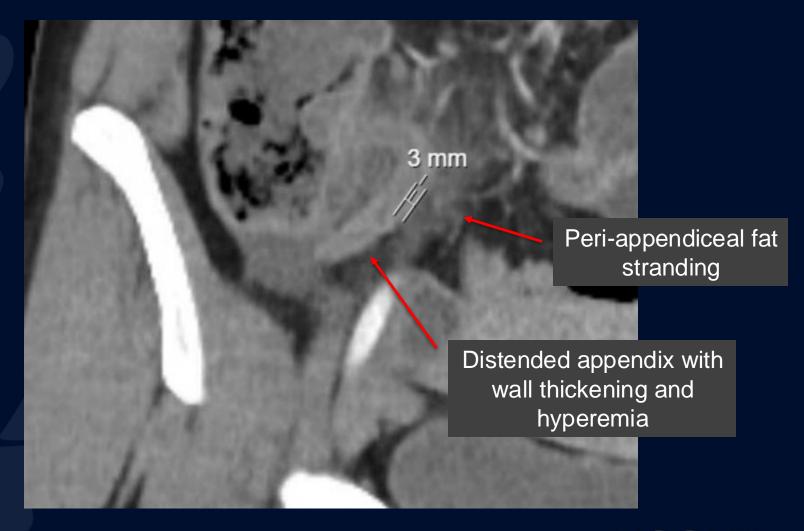




Acute Appendicitis



CT abdomen and pelvis with IV contrast (coronal)





Acute Appendicitis

Acute appendicitis is acute inflammation of the vermiform appendix, usually presenting as referred periumbilical pain that localizes to McBurney's point as the condition progresses. Possible symptoms include nausea, vomiting, fever, tachycardia, and elevated inflammatory markers. If untreated, it can progress to abscess formation, perforation, or gangrene.

Epidemiology/Pathology

- Lifetime incidence is ~7%
- Frequently caused by obstruction of the appendiceal lumen
- Older adults have higher incidence of perforation

Differential diagnoses

- Nephrolithiasis
- Right-sided diverticulitis
- Meckel diverticulitis
- Ectopic pregnancy
- Appendiceal malignancy
- Crohn's disease



Imaging Findings

CT abdomen and pelvis with IV contrast

- Increased appendiceal diameter >6 mm
- Appendiceal wall thickening >2 mm and hyperemia
- Peri-appendiceal fat stranding
- May see proximal obstruction (i.e. appendicolith, mucocele, malignancy, etc)



References

- https://www.uptodate.com/contents/acute-appendicitis-in-adults-clinical-manifestations-and-differential-diagnosis?search=acute%20appendicitis%20adult&source=search_result&selectedTitle=2%7E150&usage_type=default&display_rank=2#H5347877
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