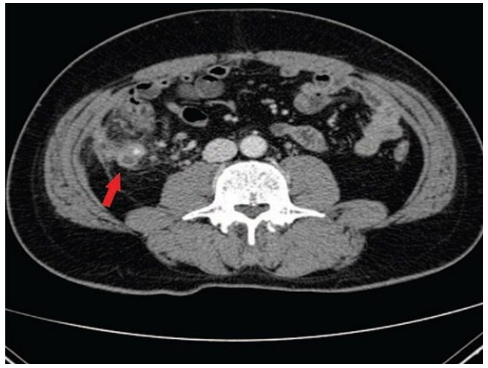
Use of ICG DYE in NIR imaging for stump appendicitis -A novel way of treating stump appendicitis

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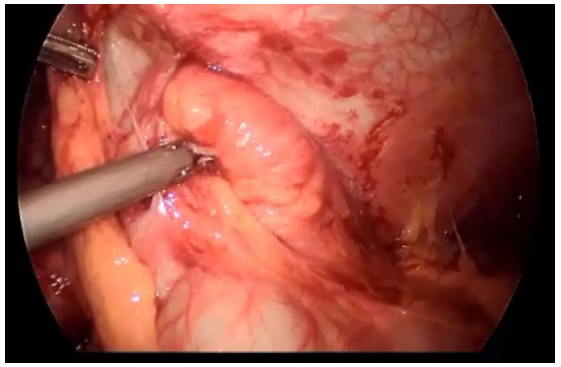
Stump appendicitis is a rare complication after appendectomy and is caused by acute inflammation of the remnant portion of the appendix. Diagnosis is always delayed because of the low index of suspicion owing to the previous appendectomy. CT scan abdomen with contrast can suggest diagnosis .Identifying stump of appendix is always difficult due to surrounding adhesions and small size of stump . Colonoscopic instillation of ICG dye in appendicular ostium is game changer . Laparoscopic visualization of stump becomes easy in NIR Imaging . Shortens operative time, decreases amount of dissection



CT Scan suggestive of stump appendicitis



Colonoscopic instillation of ICG dye in appendicular ostium



Lump in right iliac fossa



ICG illumination of appendicular stump

Inference: ICG dye instillation in appendicular ostium by preoperative colonoscopy helps to identify appendicular stump in all cases by author . From December 2017 to dec 2024 , authors performed the procedure in 7 cases . In all cases stump was identified very easily by NIR imaging . This shortened the surgical time, surgical dissection and possible complications due to lump dissection