

# Interactive Case Presentation: Detecting Complications in CD

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# **Disclosure**

- Consultant for NeuroLogica (a subsidiary of Samsung Electronics), and Johnson & Johnson
- Speaker for Bristol Myers Squibb



 75-year-old man with fibro-stenotic ileal Crohn's disease on risankizumab q8wks



# Risankizumab – Week 8

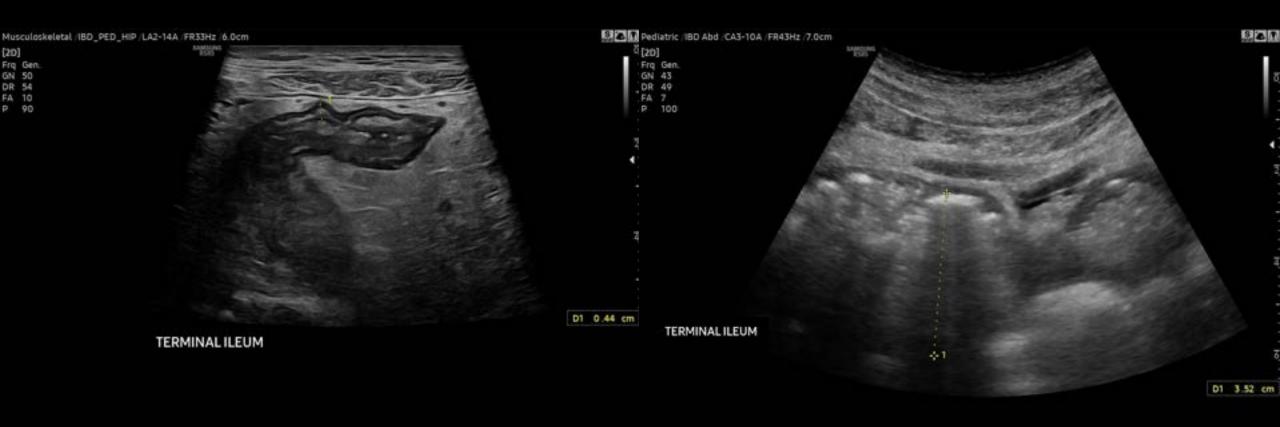
HBI = 0





Risankizumab – Week 8 HBI = 0

IUS with long TI stricture with bowel wall thickening and proximal dilation







What is the mLimberg score?

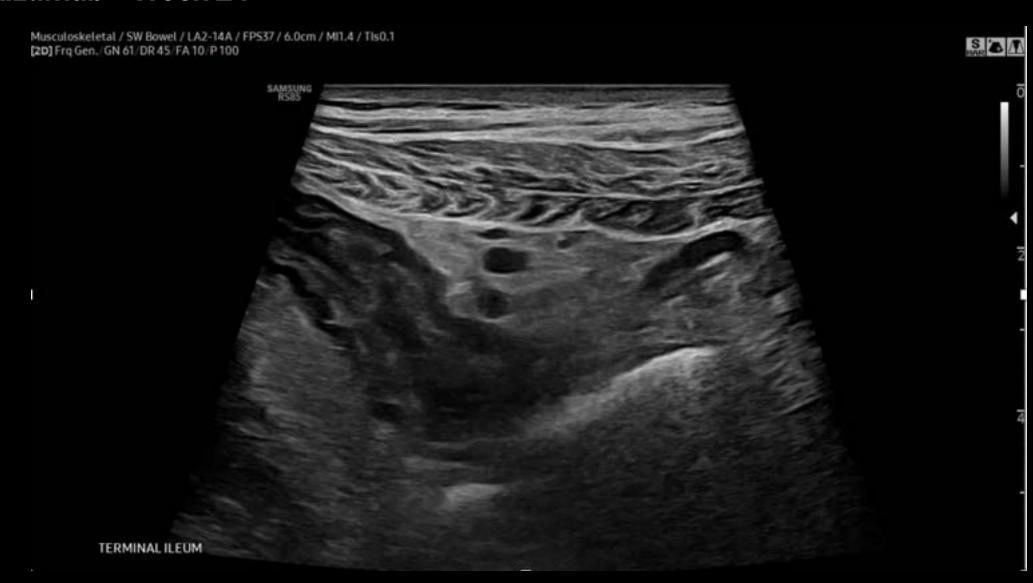


Risankizumab – Week 8 HBI = 0 IUS with <u>long TI stricture</u> with bowel wall thickening, proximal dilation, and hyperemia





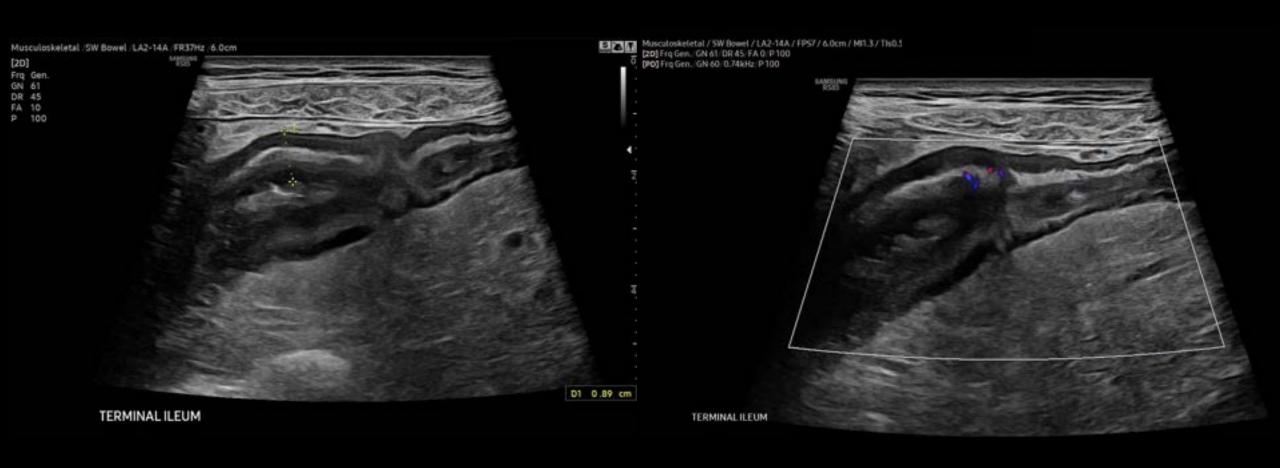
### Risankizumab – Week 24





#### Risankizumab – Week 24

No significant improvement in bowel wall thickening or hyperemia



Plan: Switch to upadacitinib



#### Upadacitinib – Week 28

HBI = 0

Musculoskeletal / SW BOWEL / LA2-14A / FPS29 / 7.0cm / MI1.3 / TIs0. 2D] Frq Res.1/GN 50/DR 45/FA 10/P100

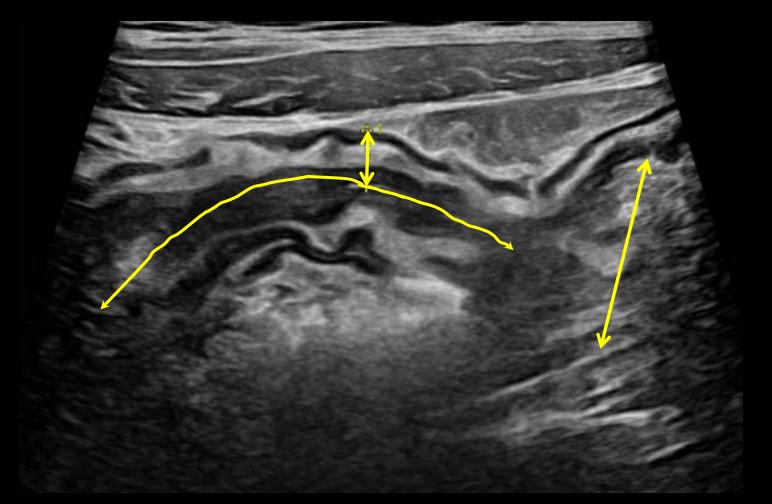




• 23-year-old man with ileal Crohn's disease on monthly infliximab

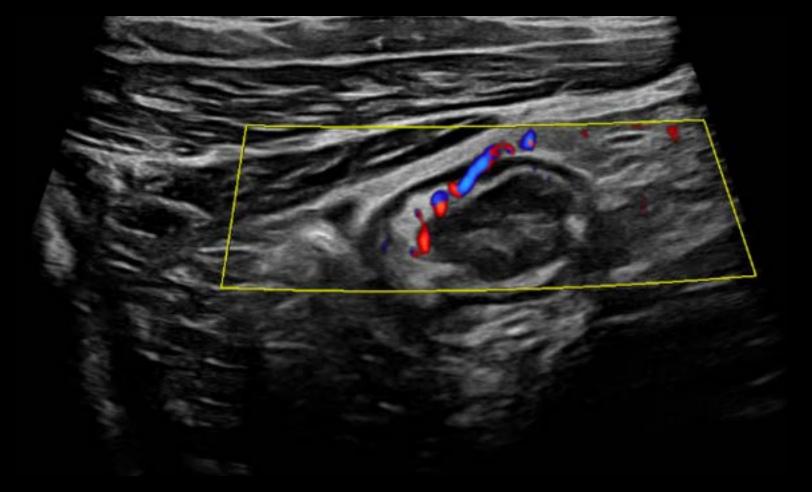
HBI = 3, FCP = 1143

IUS: average TI BWT = 5.1 mm





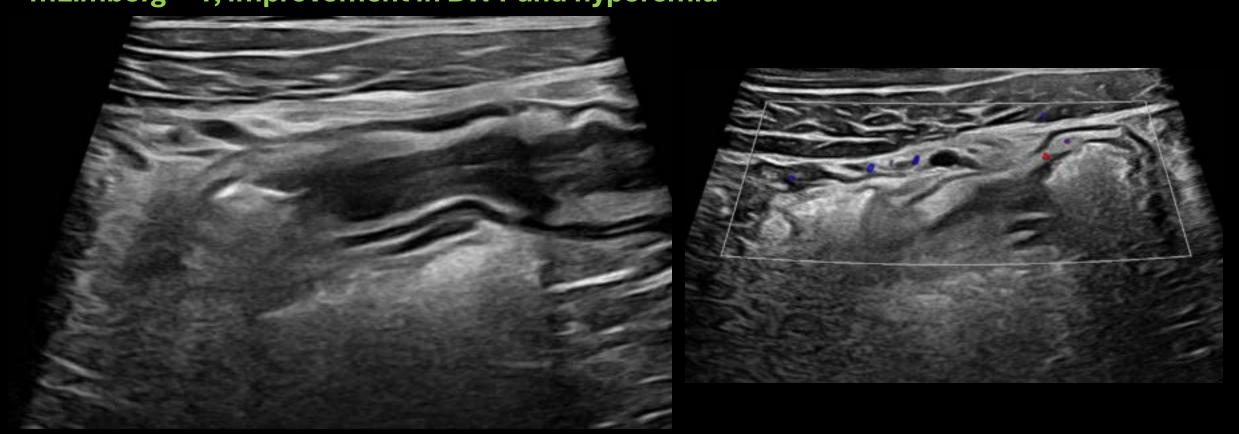
mLimberg = 3



Plan: Switch to risankizumab



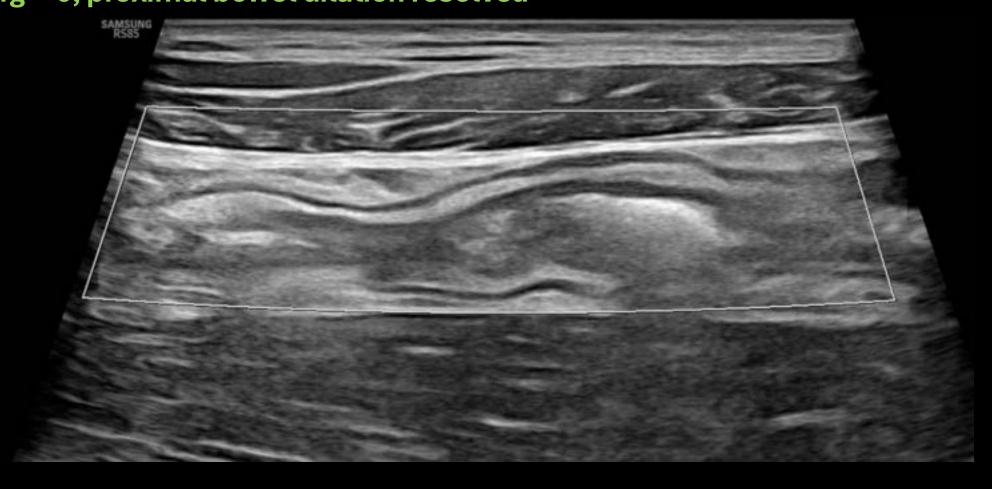
Risankizumab – Week 15 HBI = 3, FCP=164; TI (average BWT) = 4.7 mm mLimberg = 1; improvement in BWT and hyperemia



What would you do next?

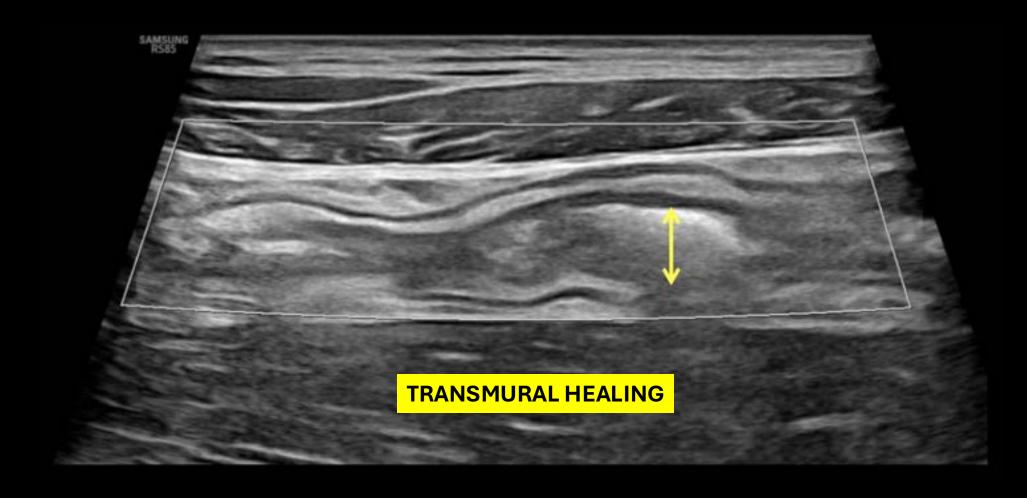


Risankizumab – Week 26 HBI = 2, FCP=138; TI BWT = 2.7 mm mLimberg = 0; proximal bowel dilation resolved





Risankizumab – Week 26 HBI = 2, FCP=138; TI BWT = 2.7 mm mLimberg = 0; proximal bowel dilation resolved

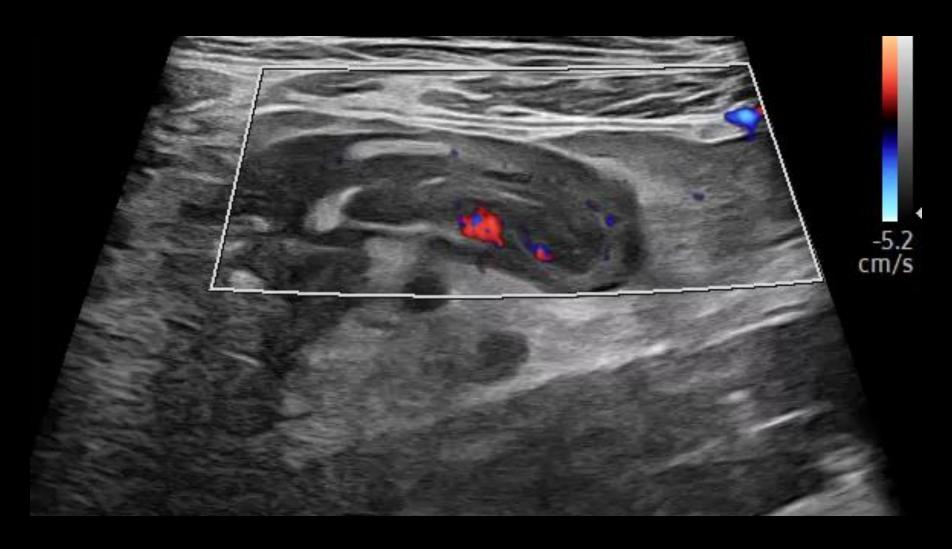




- 25-year-old woman diagnosed with Crohn's disease at 12 years old
- A1L1B2 (10 years later > A1L1B2p) on adalimumab biweekly

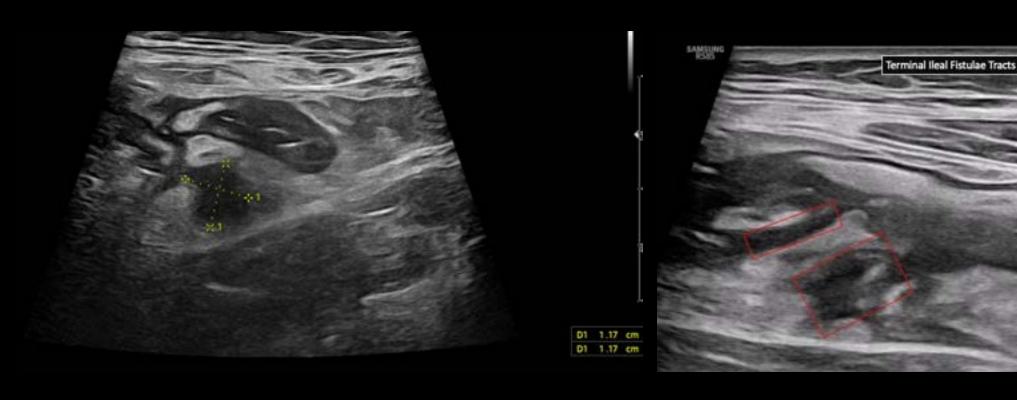


## Infliximab + methotrexate – Week 12





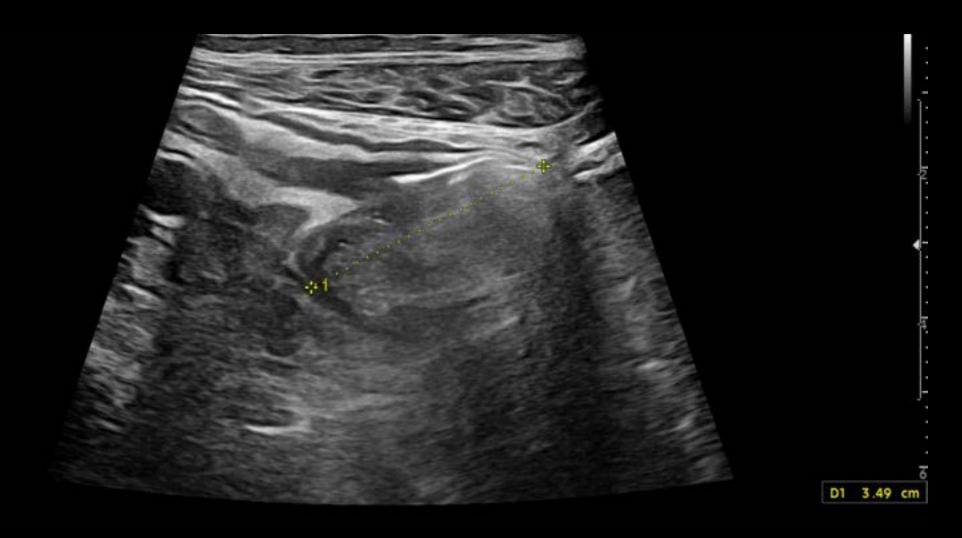
# A1L1B2 $\rightarrow$ A1L1B2p $\rightarrow$ A1L1B3p







#### Infliximab + methotrexate - Week 12

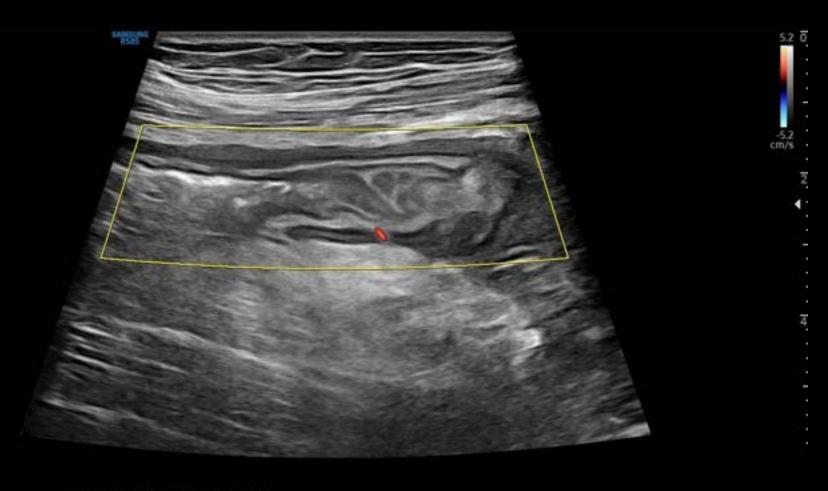




- The patient was referred for a laparoscopic ileocecectomy
- Terminal ileum and cecal biopsies revealed mildly active Crohn's enteritis with stricture and fistula formation



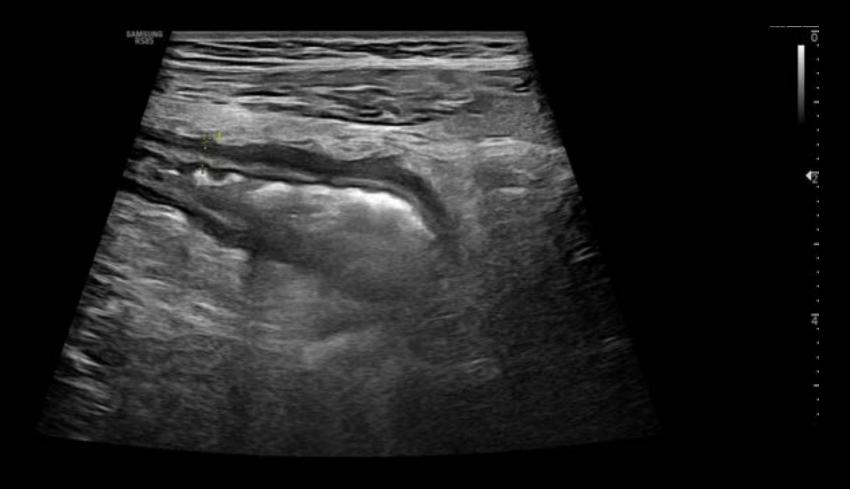
#### 3-month post-operative assessment



ILEOCOLIC ANASTOMOSIS



#### **IUS** concerning for rapid post-op recurrence

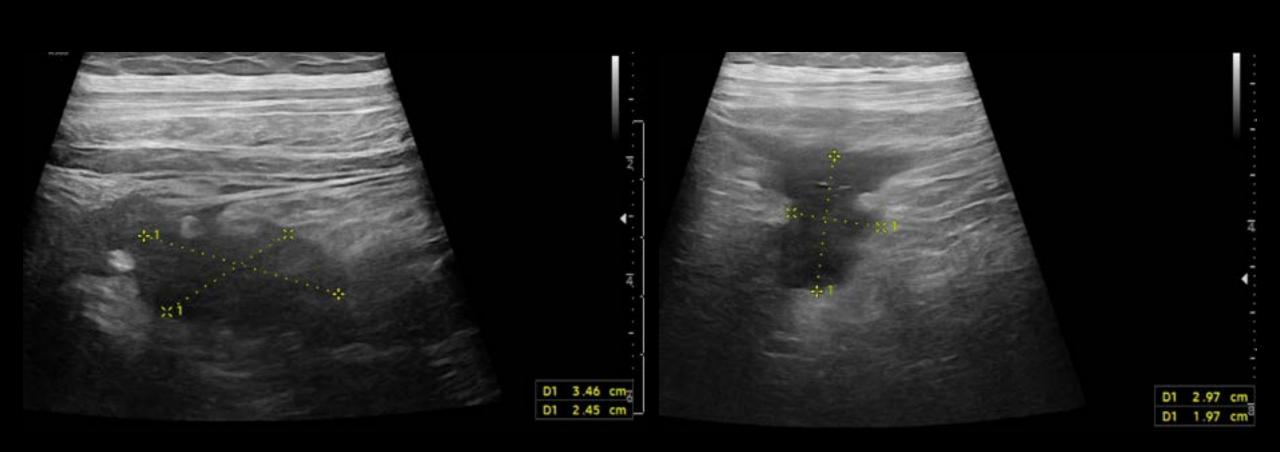


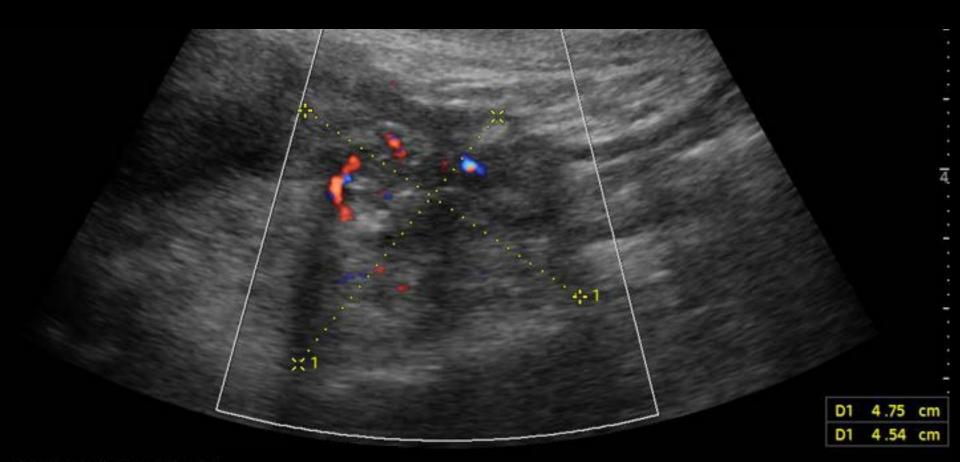
**BWT = 5.6 mm** 



- 23-year-old woman A2L3B3 with recent CT imaging of perforated ascending colon with a perihepatic abscess 1 cm x 1 cm
- Admitted for antibiotics, completed course at home
- Presents one month later for a second opinion







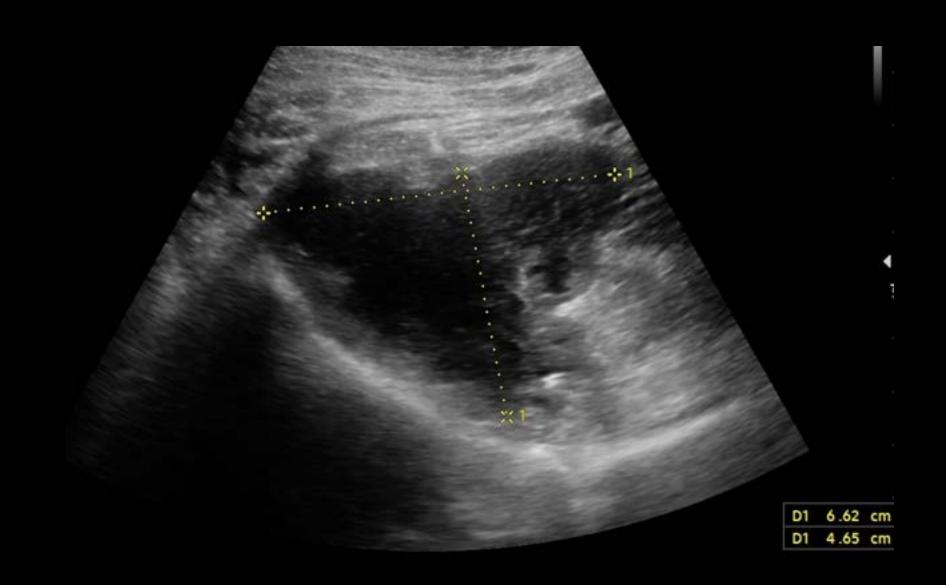
ASCENDING COLON PHLEGMON



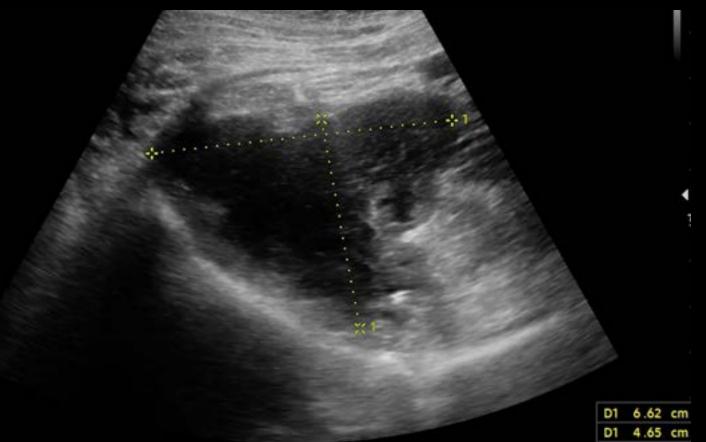
- 41-year-old man A2L1B3 s/p two ileocolonic resections on no therapy
- Referred for IUS for disease activity assessment













- 20-year-old man ALL1B1 diagnosed at 12 years old on ustekinumab q6weeks
  - Previously on infliximab which was discontinued due to uncontrolled psoriasis
- IUS with active ileitis -> Reinduction of ustekinumab without response
- Now presents with 2 liquid BMs daily, weight loss of 20 lbs over past 4 months, body aches and joint pain



Pediatric / IBD ABD / CA3-10A / FPS39 / 8.0cm / MI1.4 / TIs0.7 S A [2D] Frq Gen./GN 40/DR 49/FA 7/P100 SAMSUNG RS85





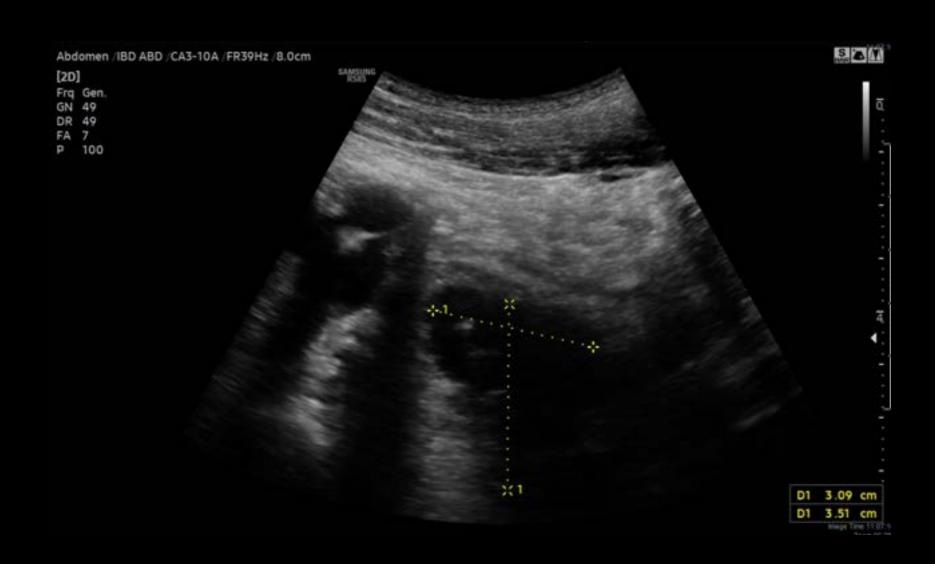


- Plan:
  - Switch to upadacitinib
  - Initiate ciprofloxacin 500 mg BID for 7 days
  - Check labs
  - Schedule follow-up IUS in one week for monitoring of abscess



# 1 week later

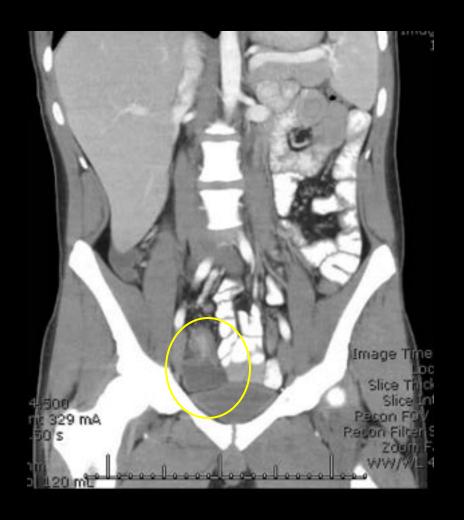






# CT Enterography on the same day





CT confirmed TI abscess measuring 5.1 x 3.2 cm



- CRP notably elevated to 57 mg/L
- The patient was admitted for IR drainage, scheduled for the following day
- Started on IV ciprofloxacin and flagyl

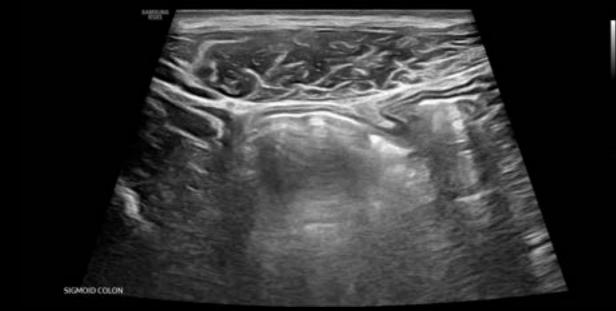


- 26-year-old man with penetrating ileocolonic Crohn's disease s/p ileocecectomy and sigmoid repair of colo-colonic fistula
- On upadacitinib 45 mg in clinical remission

Musculosketetal / SW Bowel / LAZ-14A / FPS35 / 7.0cm / HRL4 / Thu0.1 (20) Fng Gen. GN 61-08 45. FA 10. P 100



Musculosketetal / SW Bowel / LA2-14A / FP543 / 5.0cm / MIL4 / Thi0.1 \$20\$ Frq Gen. GN 69: 08:45. FA 10: 9:100



3 2 7





- Colonoscopy 5 months later with severe stenosis measuring 3 mm (inner diameter) in the sigmoid that was not able to be traversed
- Pt referred for a subtotal colectomy (sigoid resection)
- Path: Severely active Crohn's colitis with stricture formation, knife-like fissuring ulcers, and granulomas.

