

Is there a scoring and monitoring system available for IBD?

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Kuwait City, Kuwait, November 21st – 22nd, 2025

Disclosure

Bram Verstockt discloses

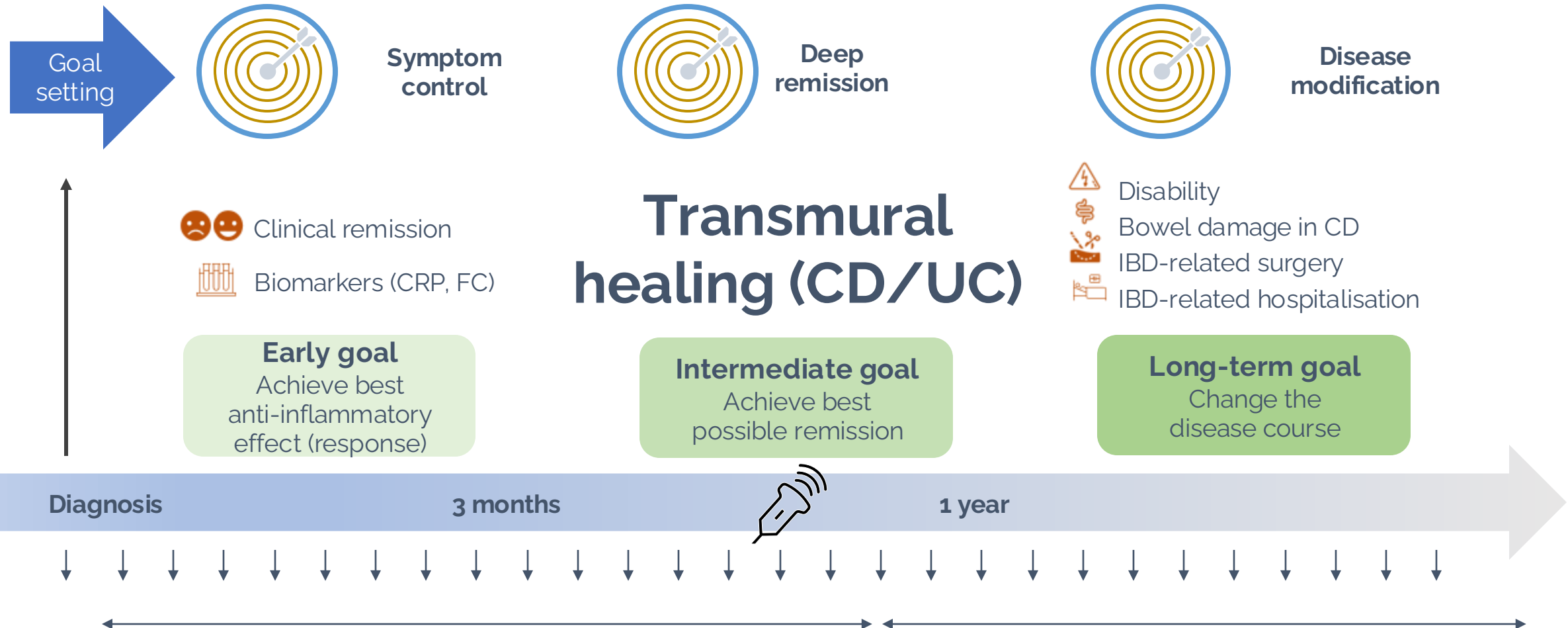
- financial support for research from AbbVie, Biora Therapeutics, Celltrion, Landos, Pfizer, Sanofi, Sosei Heptares/Nxera and Takeda.
- speaker's fees from Abbvie, Agomab, Alfasigma, Biogen, Bristol Myers Squibb, Celltrion, Eli Lilly, Falk, Ferring, Galapagos, Materia Prima, Johnson and Johnson, Pfizer, Sandoz, Takeda, Tillots Pharma, Truvion and Viatris.
- consultancy fees from Abbvie, Alfasigma, Alimentiv, Anaptys Bio, Applied Strategic, Astrazeneca, Atheneum, BenevolentAI, Biora Therapeutics, Boxer Capital, Bristol Myers Squibb, Domain Therapeutics, Eli Lilly, Galapagos, Guidepont, Landos, Merck, Mirador Therapeutics, Mylan, Nxera, Inotrem, Ipsos, Johnson and Johnson, Pfizer, Sandoz, Sanofi, Santa Ana Bio, Sapphire Therapeutics, Sosei Heptares, Takeda, Tillots Pharma and Viatris.
- stock options Vagustim and Thethis Pharma.

Intended Learning Outcomes

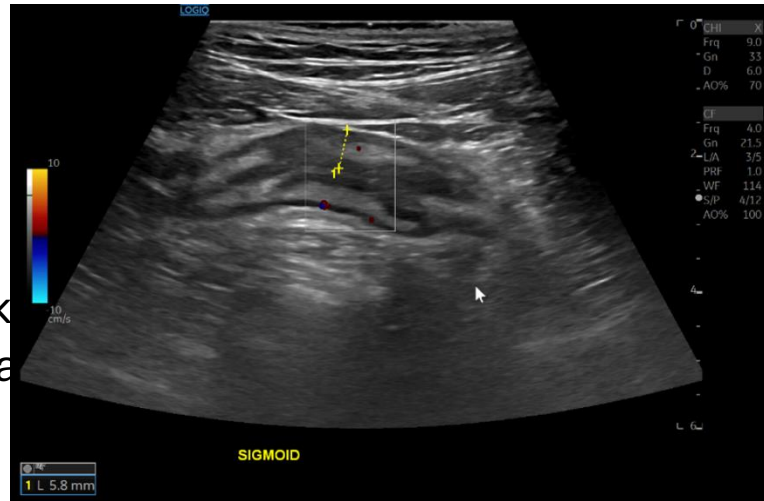
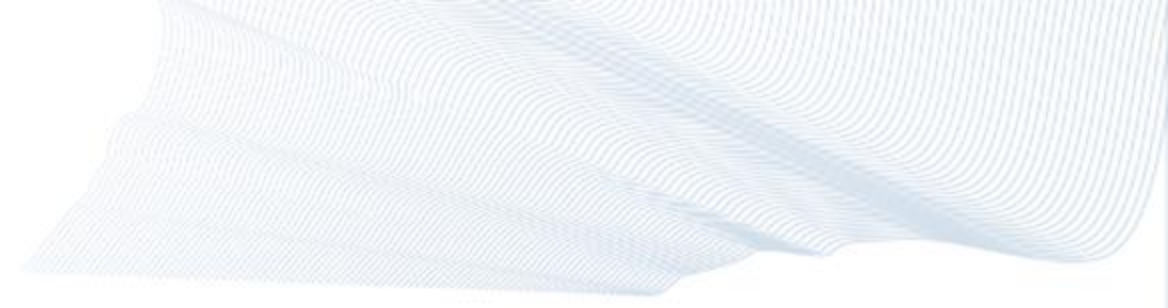
By the end of this session, the learner will be able to:

1. Explain the rationale behind IUS scoring systems and how they are applied in both clinical practice and research settings to assess disease activity, guide treatment decisions, and provide standardized documentation of findings.
2. Evaluate the reliability and validity of different IUS scoring systems by comparing their performance, reproducibility, and correlation with reference standards such as endoscopy, cross-sectional imaging, and clinical indices.
3. Utilize IUS scoring systems to:
 - Quantify disease activity in Crohn's disease and ulcerative colitis.
 - Monitor treatment response over time by documenting changes in ultrasound parameters and generating objective scores that reflect mucosal and transmural healing.

Monitoring, a key aspect in IBD care



Why standardised scoring ?



“Thick
of str

MUC
10.1

loss
sign”.



MUC 7.5

September 26th 2025

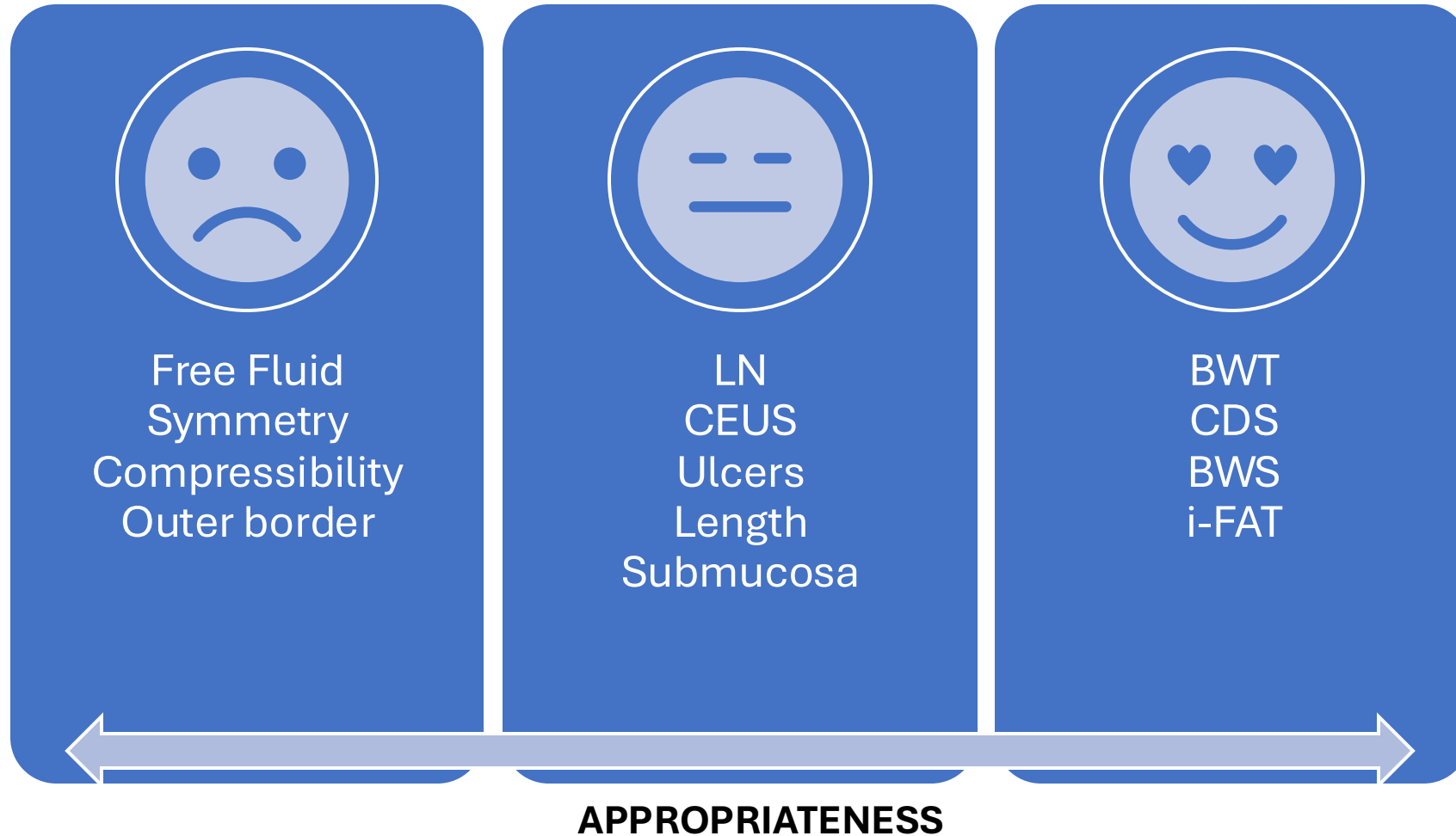
Baseline - 3rd line therapy

November 21st 2025

Week 8 - 3rd line therapy
Clinical improvement,
residual symptoms

**Photodocumentation
Standardised reporting**

Key parameters in IBD monitoring

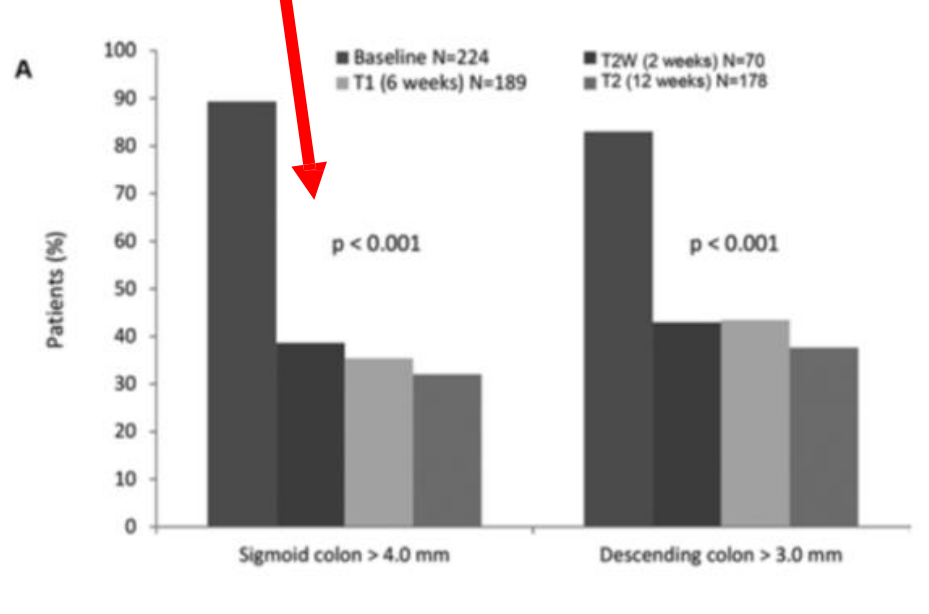


Key parameters in UC monitoring

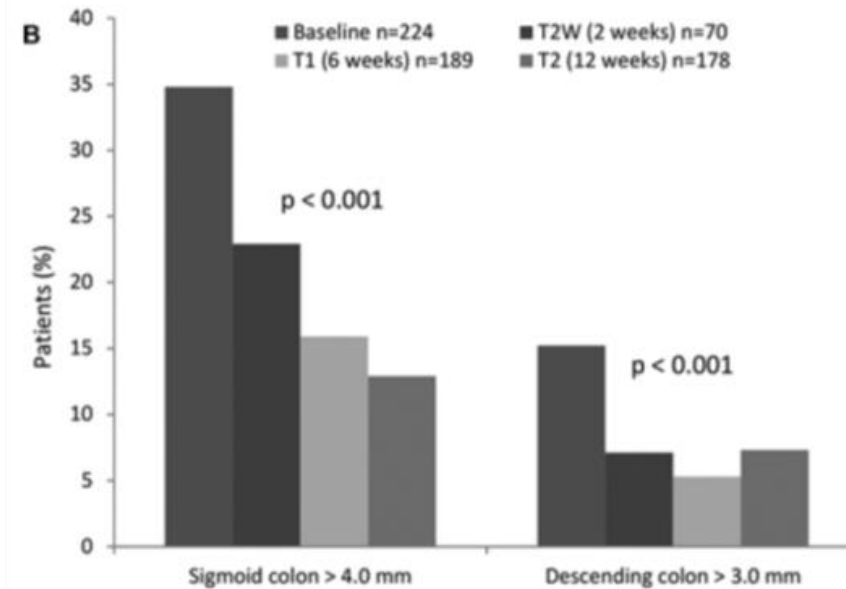
	Civetelli score 2014 Civetelli	Milan US Criteria 2018 Allocca	UC US score 2018 Hashimoto	Ramawamy Score 2019	UC IUS Index 2021 Bots
BWT					
CDS					
Dehausratio					
BWS					
i-FAT					
Endoscopy					
Validated					

The responsiveness of BWT and CDS during treatment

2 weeks!!!



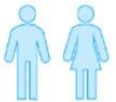
Proportion of patients with increased BWT

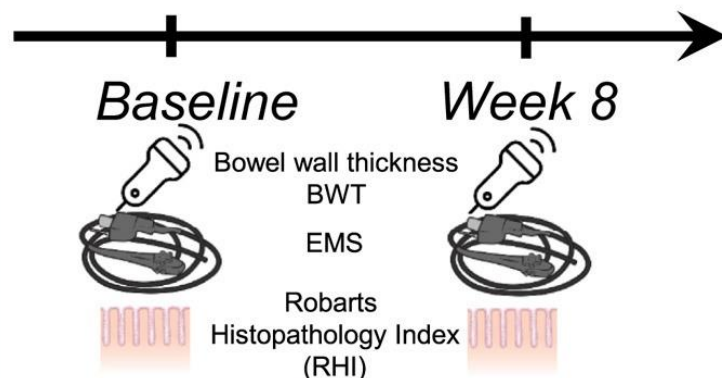


Proportion of patients with increased color doppler signal

Change in BWT indicative for future endoscopic outcome

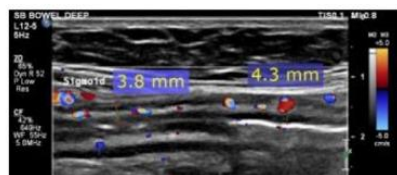
Cohort and design

 $n=30$ starting tofacitinib
endoscopic Mayo score
(EMS) ≥ 2

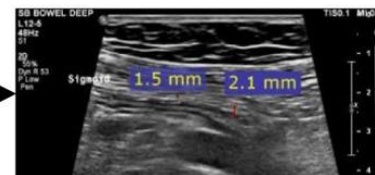



Results


Baseline



Week 8



 = 26
score

 = 1
score

Remission
EMS=0 } BWT
2.8 mm

Improvement
EMS ≤ 1 } 3.9 mm

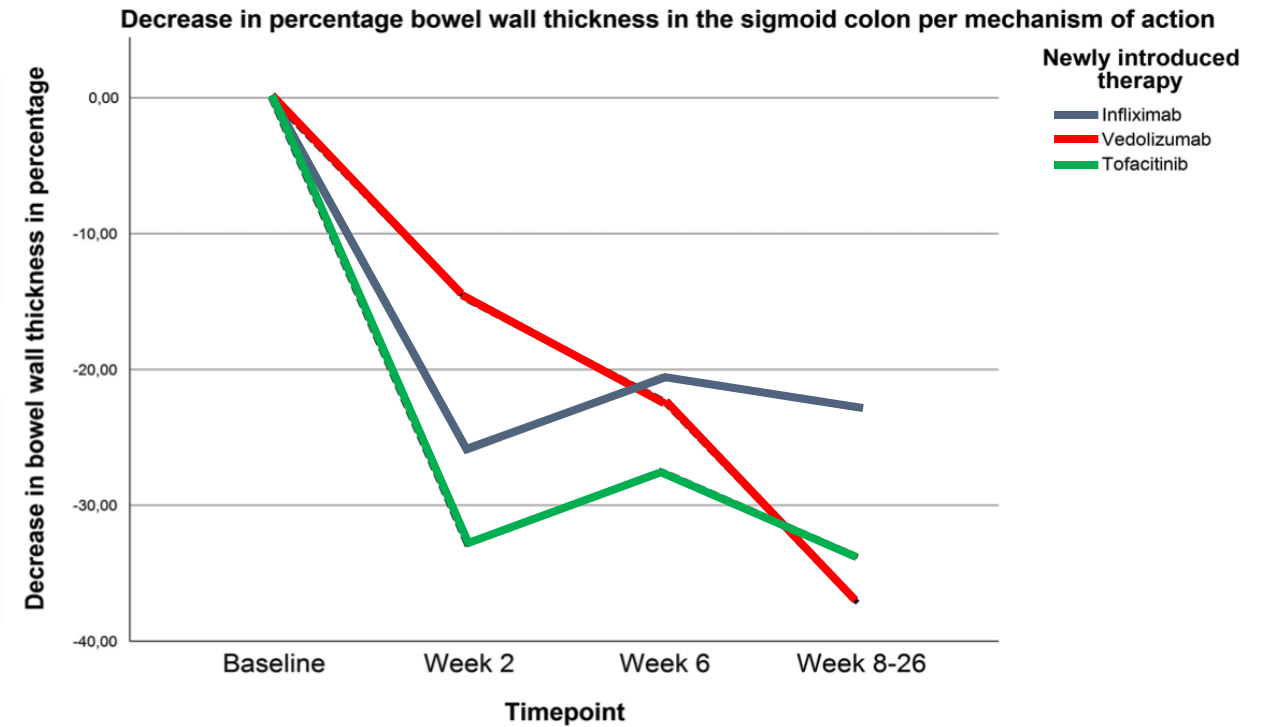
Response
EMS ≥ 1
decrease } 32%
decrease

$p=0.49$: RHI vs BWT
Gastroenterology

Change in BWT indicative for future endoscopic outcome

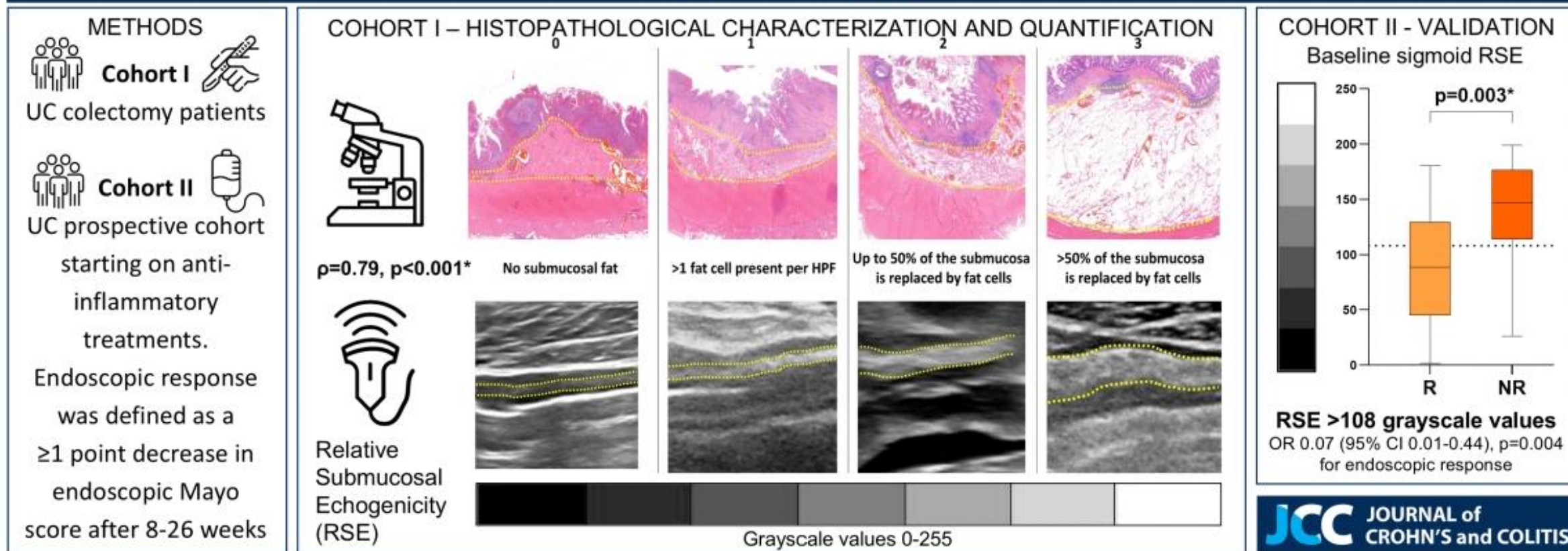
BWT was lower from **Week 6 onward** for patients achieving **endoscopic improvement**

Submucosal layer thickness predicted **endoscopic remission** ($p=0.018$) and endoscopic improvement at Week 6 ($p=0.02$)

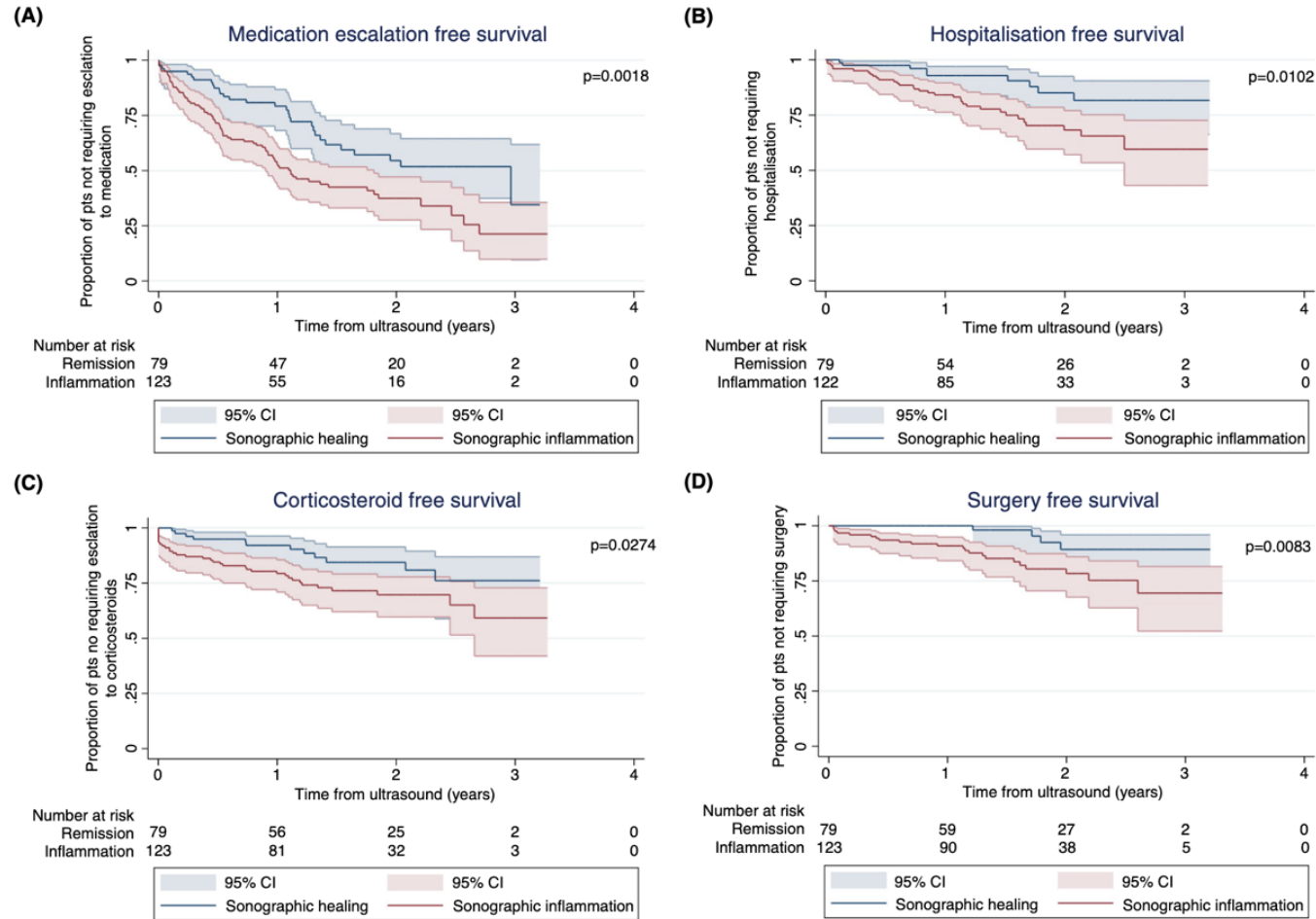


Scratching below the surface: the role of the submucosa

Submucosal Hyper-echogenicity On Intestinal Ultrasound Is Associated With Fat Deposition And Predicts Treatment Non-response In Patients With Ulcerative Colitis



Early changes in BWT are predictive of long-term outcome



Key parameters in UC monitoring

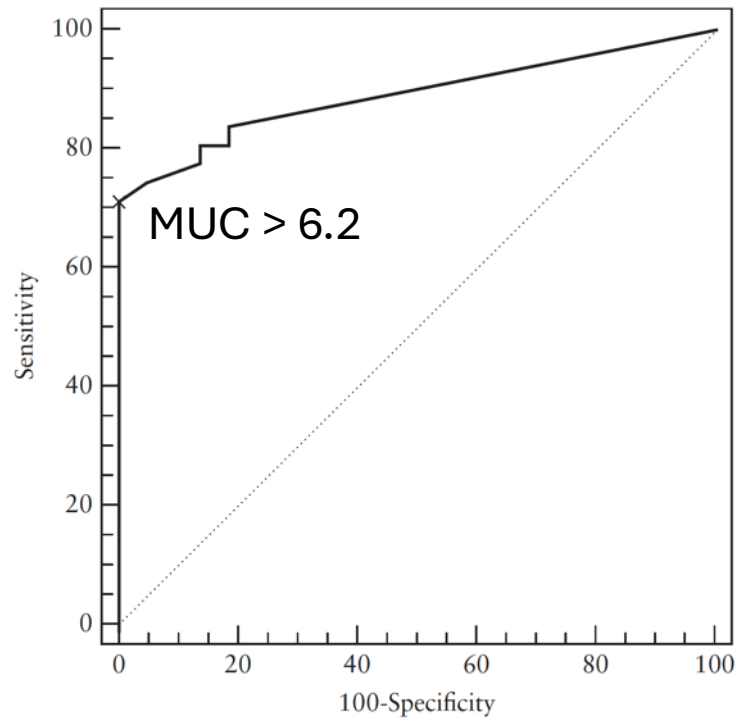
	Civetelli score 2014 Civetelli	Milan US Criteria 2018 Allocca	UC US score 2018 Hashimoto	Ramawamy Score 2019	UC IUS Index 2021 Bots
BWT					
CDS					
Dehastratio					
BWS					
i-FAT					
Endoscopy					
Validated					

Milan ultrasound criteria

Humanitas Ultrasound criteria = Milan Ultrasound Criteria =

$$\text{BWT (mm)} \times 1.4 + \text{CDS} \times 2$$

CDS = 1 if present; CDS = 0 if absent



MUC ^a range	Observed risk of endoscopic activity ^a
<6.2	4/19 (21%)
6.3–8.1	1/2 (50%)
8.2–10.6	11/11 (100%)
>10.6	11/11 (100%)

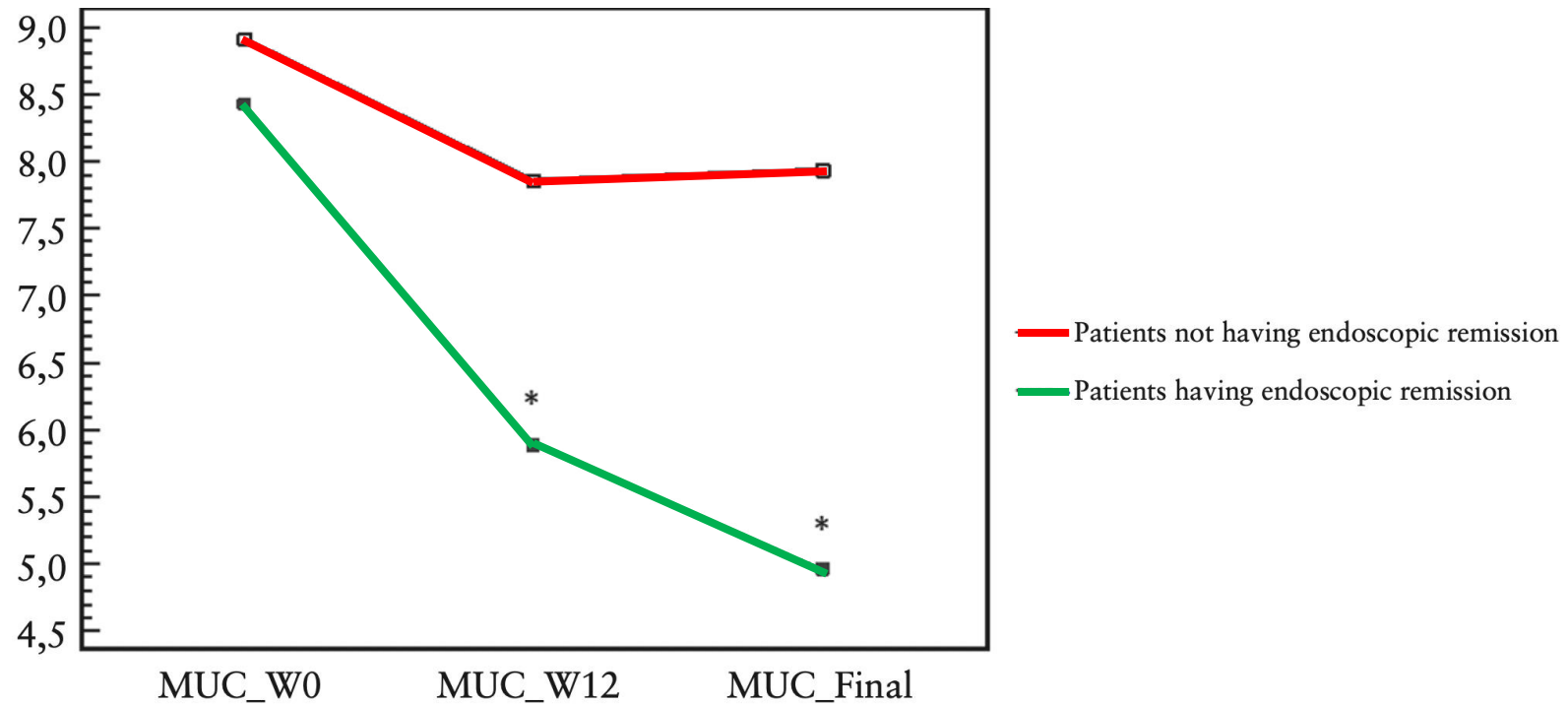
TABLE 3 Diagnostic accuracy of Milan Ultrasound Criteria (MUC) in derivation and validation study

	Cut-off	MUC in derivation study			MUC in validation study		
		ROC	Sens	Spec	ROC	Sens	Spec
Active disease (Mayo endoscopic sub-score >2)	>6.2	0.891	0.71	1.00	0.902	0.85	0.94

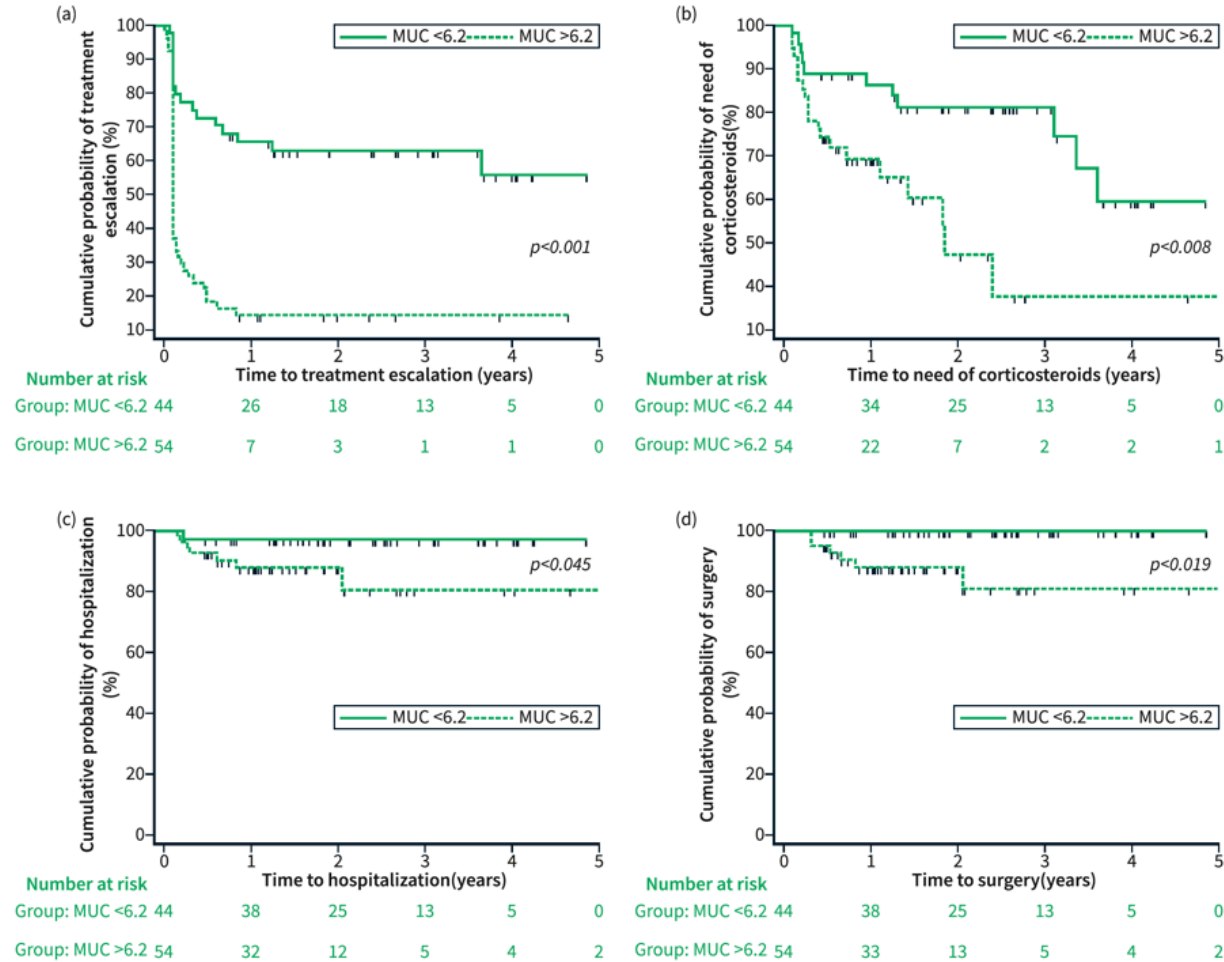
Abbreviations: ROC, receiver operating characteristic; Sens, sensitivity; Spec, specificity.

Milan ultrasound criteria

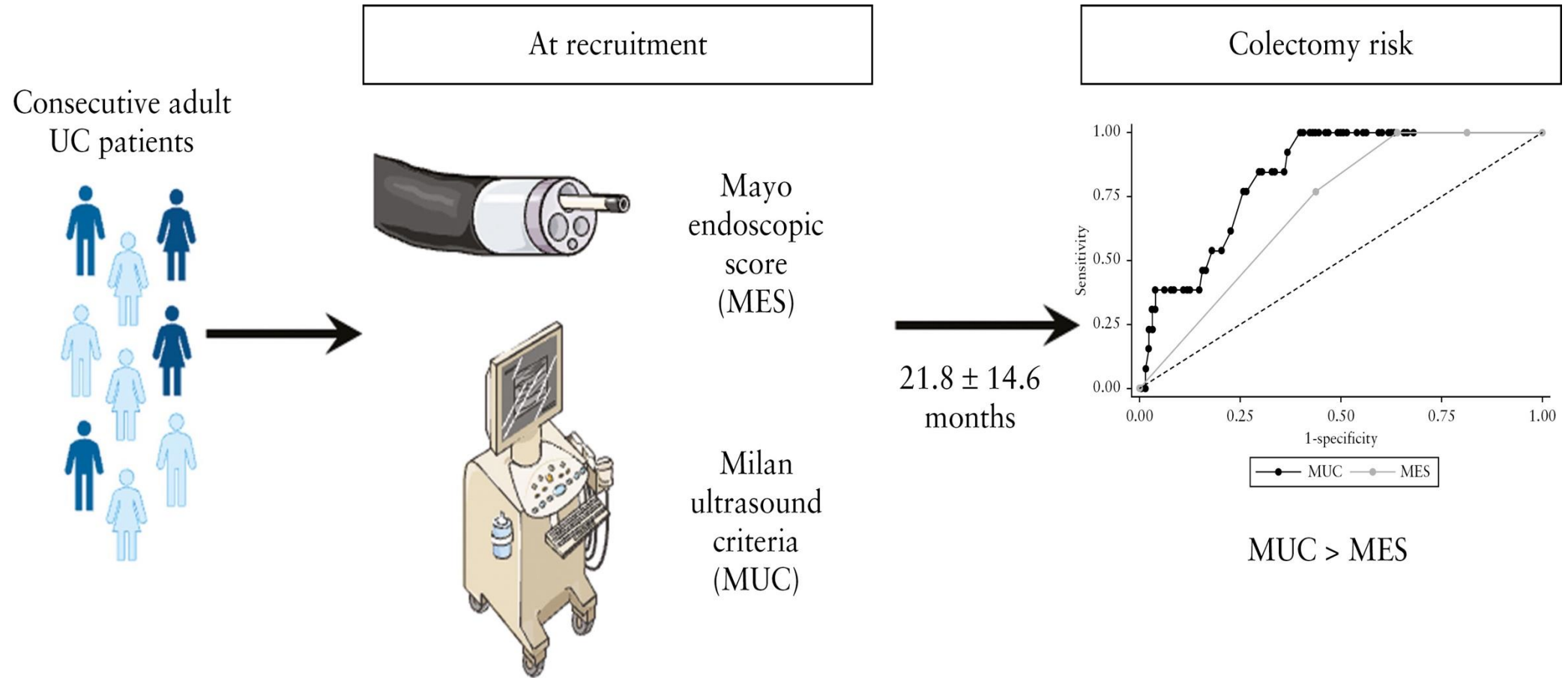
Humanitas Ultrasound criteria = Milan Ultrasound Criteria =
$$\text{BWT (mm)} \times 1.4 + \text{CDS} \times 2$$



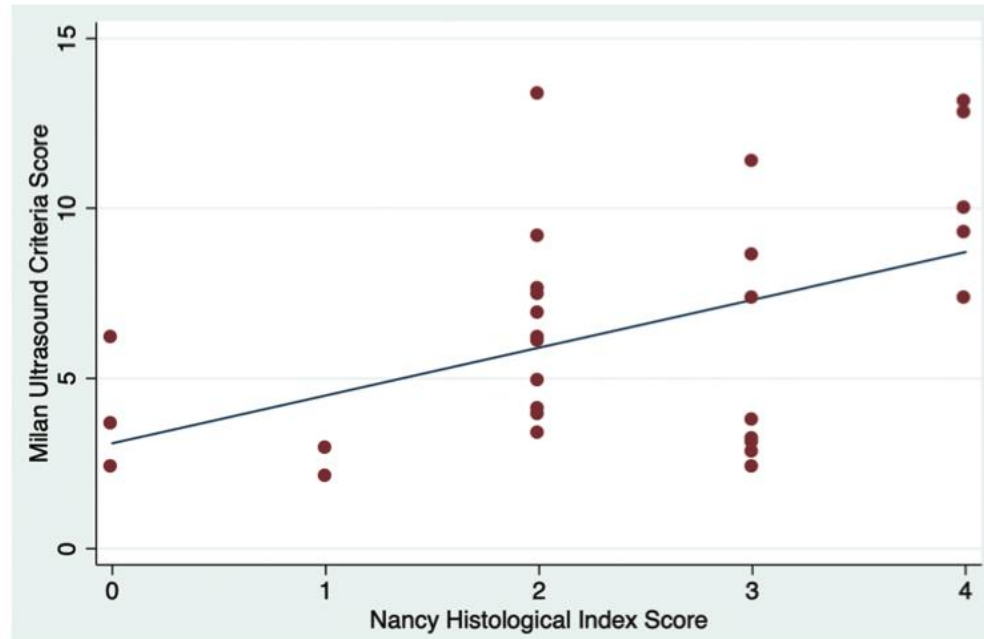
MUC has a prognostic value



MUC has a prognostic value

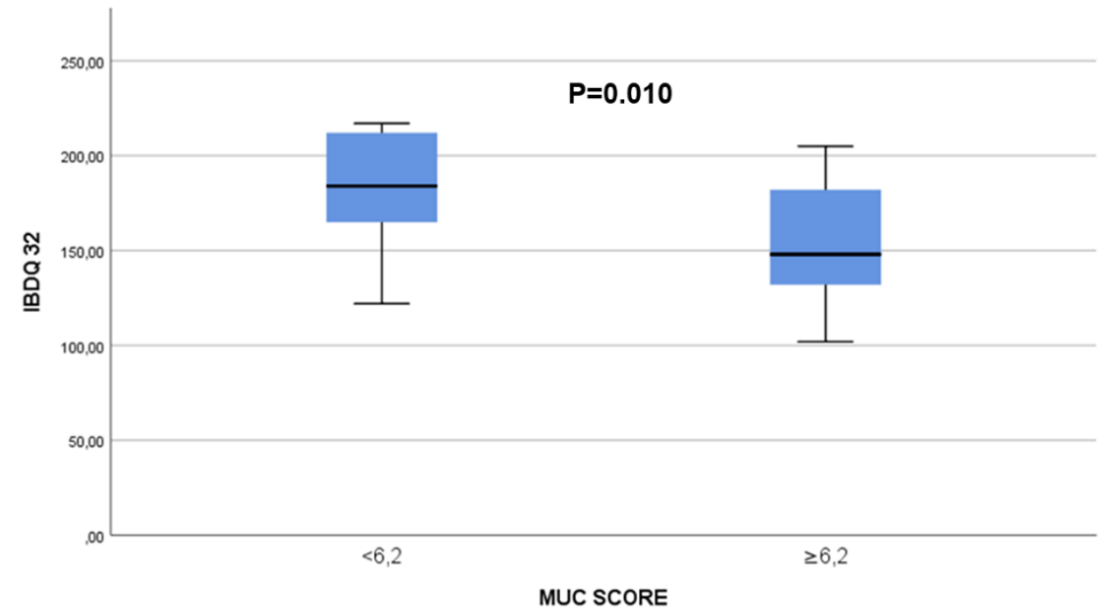
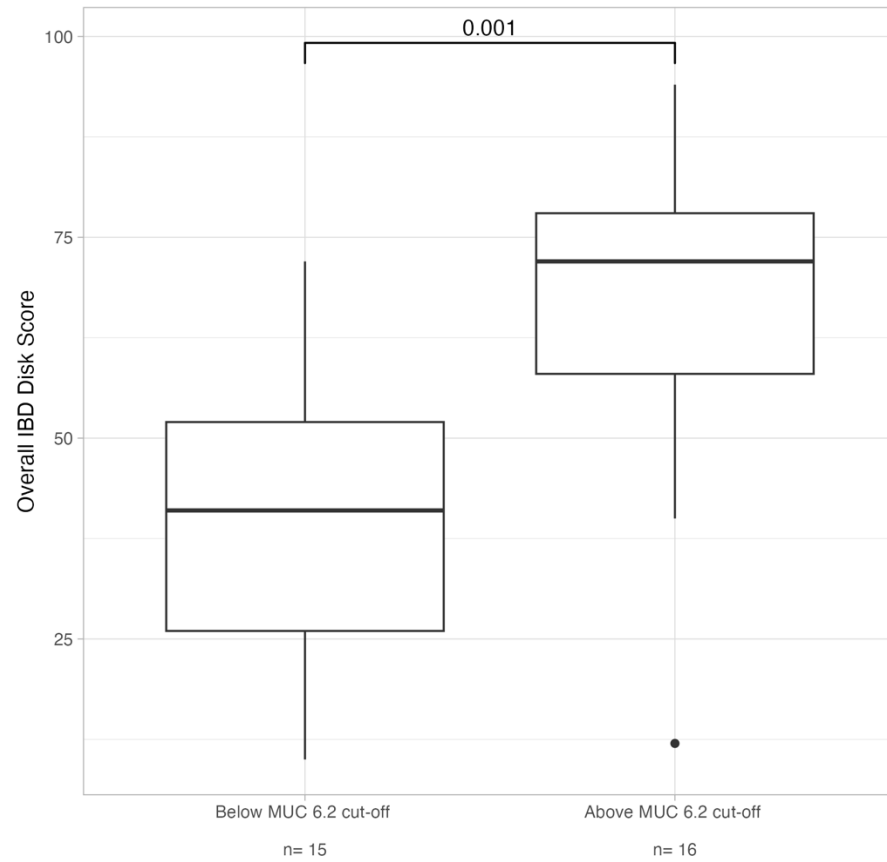


MUC is correlated to histological disease activity



Comparison	P	Sensitivity (%)	Specificity (%)	Positive Predictive Value (%)	Negative Predictive Value (%)
MUC >6.3	.048	55	100	100	31
Calprotectin >50 ug/g	.127	92	40	88	50
Calprotectin >100 ug/g	.022	79	80	95	44
Composite of MUC and calprotectin ^a	.007	88	80	95	57

MUC is linked to quality of life



Eggermont et al. ECCO 2025. P0453.

Parra Izquierdo et al. ECCO 2025. P0353.

Case 1

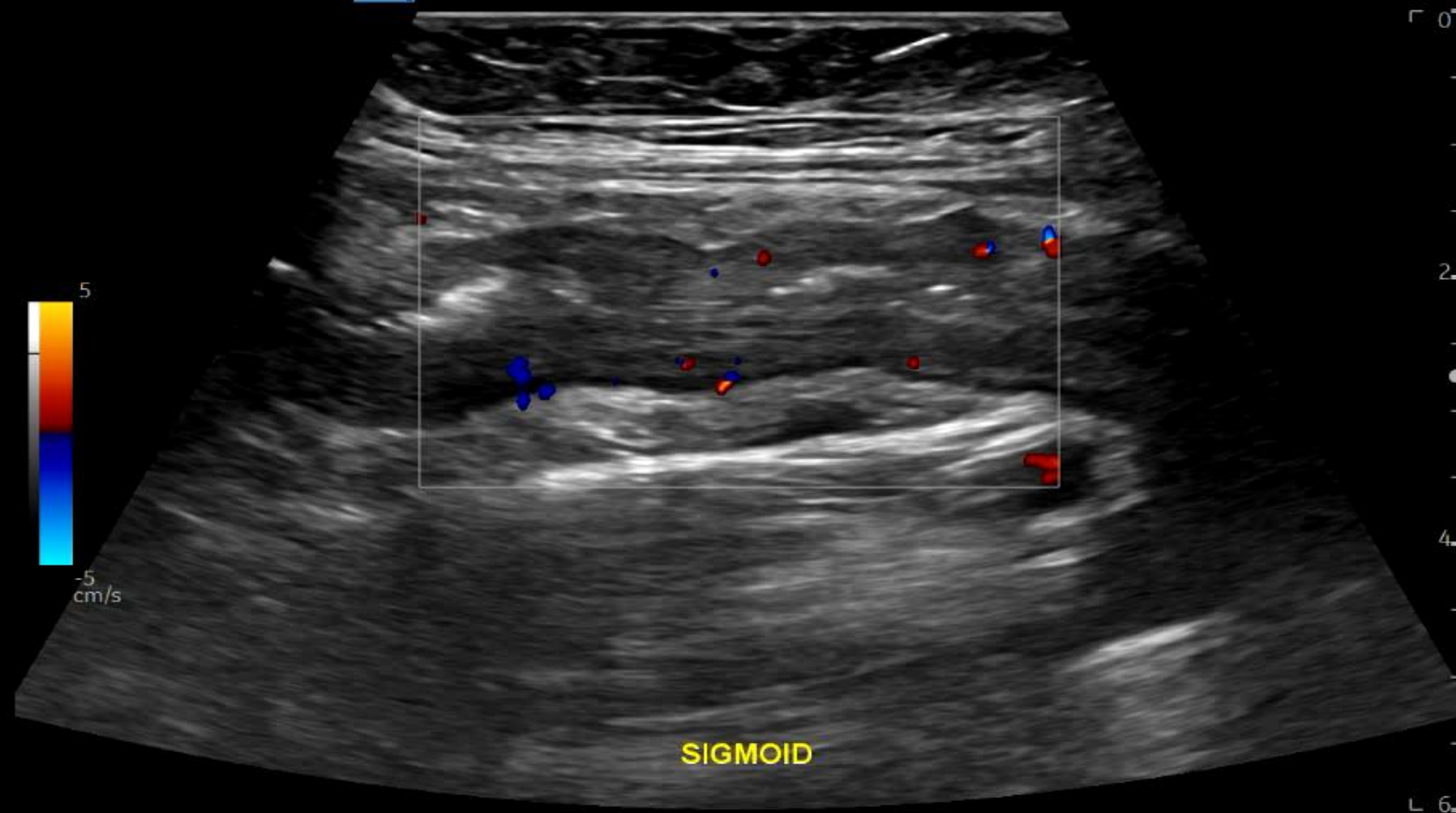
- **46y old woman**
 - 07/2020: distal proctitis R/ topical 5ASA
 - 02/2021: left-sided flare R/ systemic 5ASA + corticosteroids in tapering dose
 - 2021-2024: clinical and endoscopic remission
 - 11/2024: left-sided colitis R/ etrasimod
- **December 12th 2024**
 - > 15 stools a day, 90% with blood
 - urgency +++
 - lost 5 kg
 - infections ruled out

IM: 30 (75)

12/12/24 11:50:36 ADM L2-9 Bowel MI 1.4 TIs 0.6

LOGIQ

12-12-2024
11:50



Age at study: 046Y

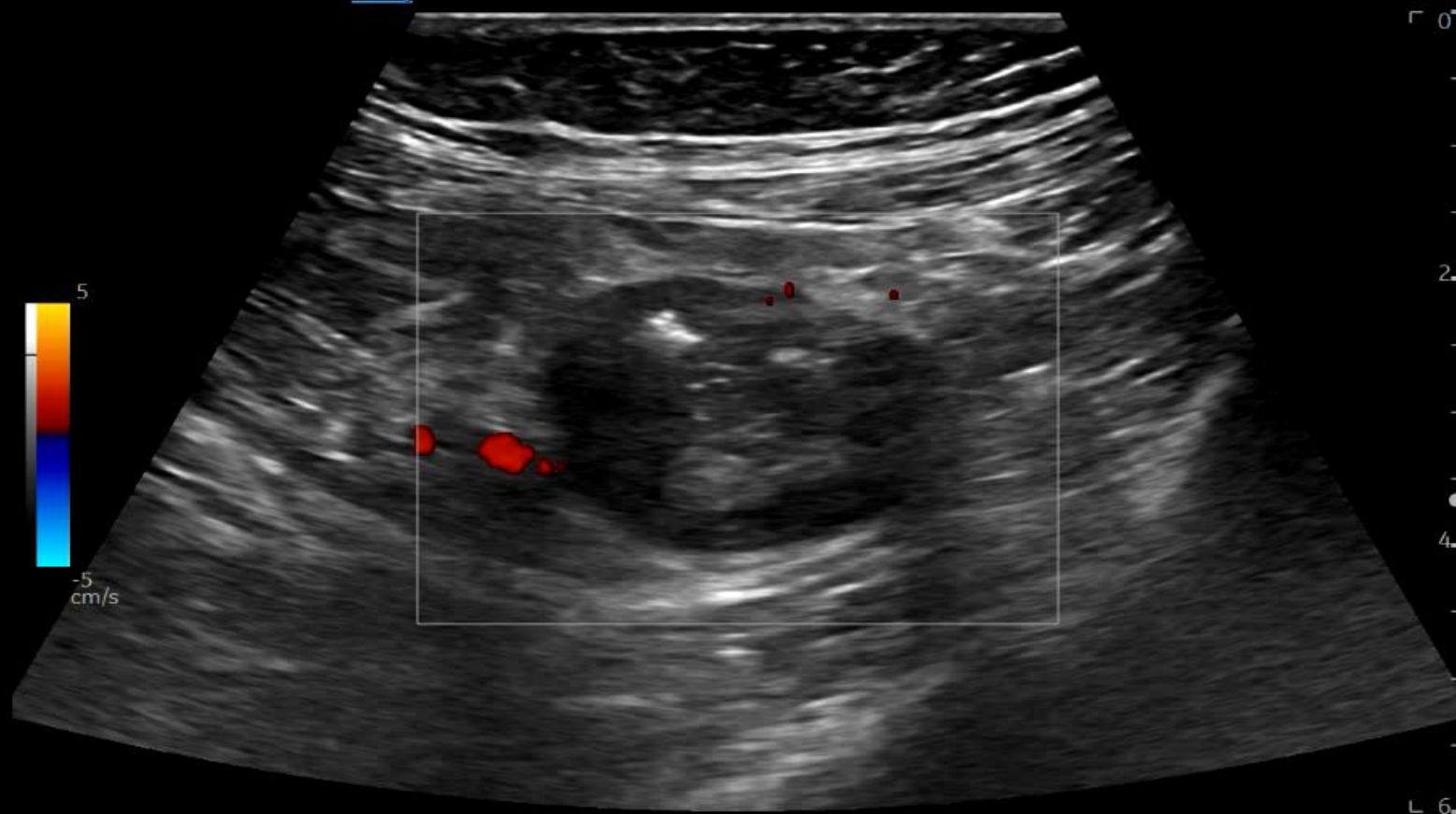
UZ Leuven
UZLGEIGEUS01

IM: 90 (76)

12/12/24 11:53:13 ADM L2-9 Bowel MI 1.2 TIs 0.7

12-12-2024
11:53

LOGIQ



C DESCENDENS

Age at study: 046Y

UZ Leuven
UZLGEIGUS01



UZ Leuven - Endoscopie
12/12/24 11:56:07

ADM

MI 1.4

TIs 0.7

L2-9
Bowel

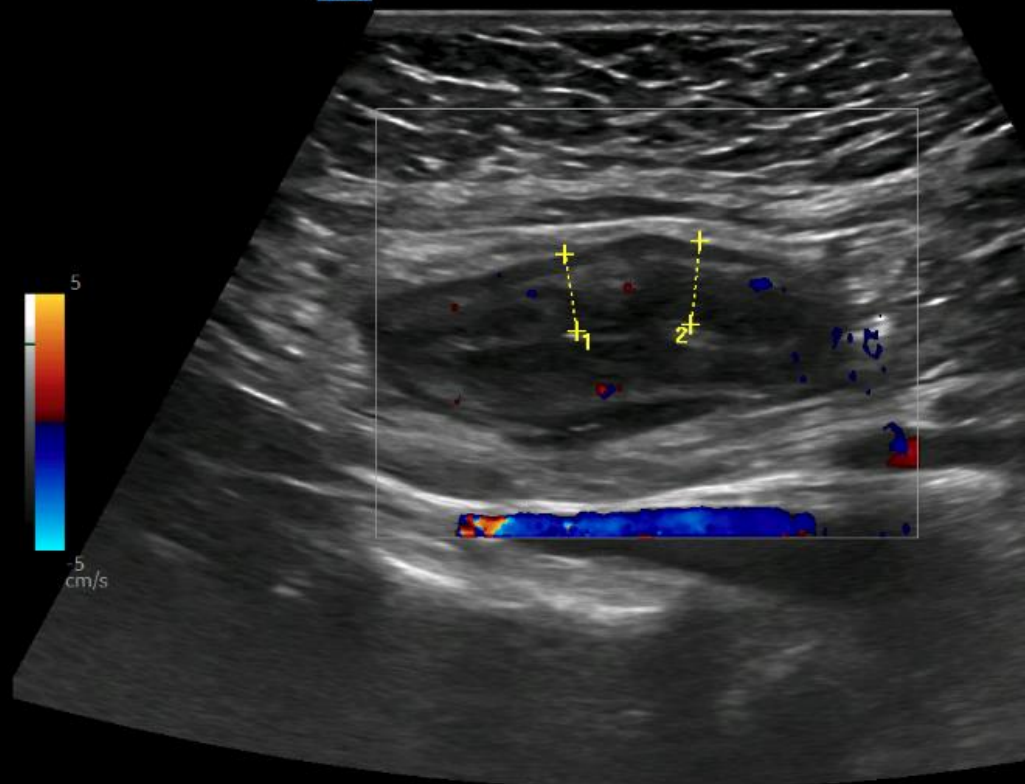
FR 11



KUWAIT GASTROENTEROLOGY ASSOCIATION

رابطة الجهاز الهضمي والكبد الكويتية

LOGIQ



C TRANSVERSUM

1	L 6.0 mm
2	L 6.4 mm

CHI	X
Frq	9.0
Gn	33
D	6.0



UZ Leuven - Endoscopie
12/12/24 11:52:11

ADM

MI 1.1

TIs 0.6

L2-9
Bowel

FR 48

LOGIQ



C DESCENDENS

1	L 4.2 mm
2	L 4.5 mm
3	L 4.9 mm

CHI	X
Frq	9.0
Gn	33
S/A	3/4
Map	C/3
D	6.0
Zm	0
DR	60
AO%	70



IUS Report December 12th 2024

- **Ileum**
 - BWT 1.5 mm
 - Limberg score 0
- **Ascending colon**
 - BWT 4.9 mm
 - Limberg score 1
- **Transverse colon**
 - BWT 6.4 mm
 - Limberg score 2
 - Loss of stratification
 - iFat
- **Descending colon**
 - BWT 4.9 mm
 - Limberg score 3
 - Loss of stratification
 - Ulcerations
 - iFat
- **Sigmoid**
 - BWT 4.0 mm
 - Limberg score 3
 - Loss of stratification
 - Ulcerations
 - iFat

BWT (mm worst affected segment) x 1.4 + CDS : 6.4mm x 1.4 + 1 x 2

MUC 10.96



Case 1

- **December 20th 2024**
 - Admission due to acute severe colitis despite high dose steroids po + etrasimod (refused admission before)
 - CRP 104.8 mg/L
 - Albumin 27g/L

IM: 40 (33)

20/12/24 10:11:46 ADM L2-9 Bowel MI 1.2 TIs 0.7

20-12-2024

10:11

LOGIQ



SIGMOID

Age at study: 046Y

UZ Leuven
UZLGEIGEUS01

IM: 80 (474)

20/12/24 10:14:30 ADM L2-9 Bowel MI 1.1 TIs 0.6

LOGIQ

20-12-2024
10:14



C DESCENDENS

Age at study: 046Y

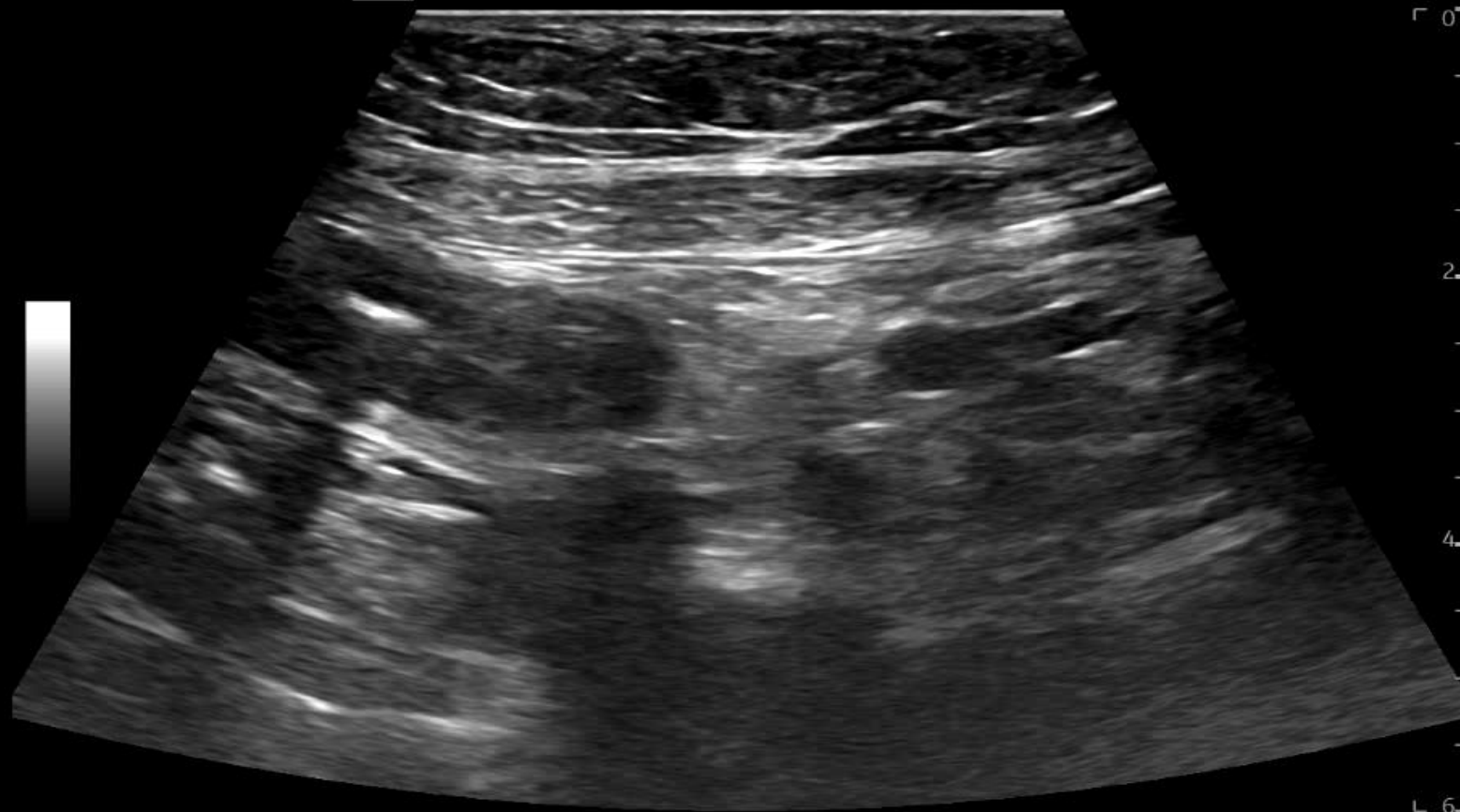
UZ Leuven
UZLGEIGEUS01

IM: 140 (419)

20/12/24 10:17:42 ADM L2-9 Bowel MI 1.1 TIs 0.6

20-12-2024
10:17

LOGIQ



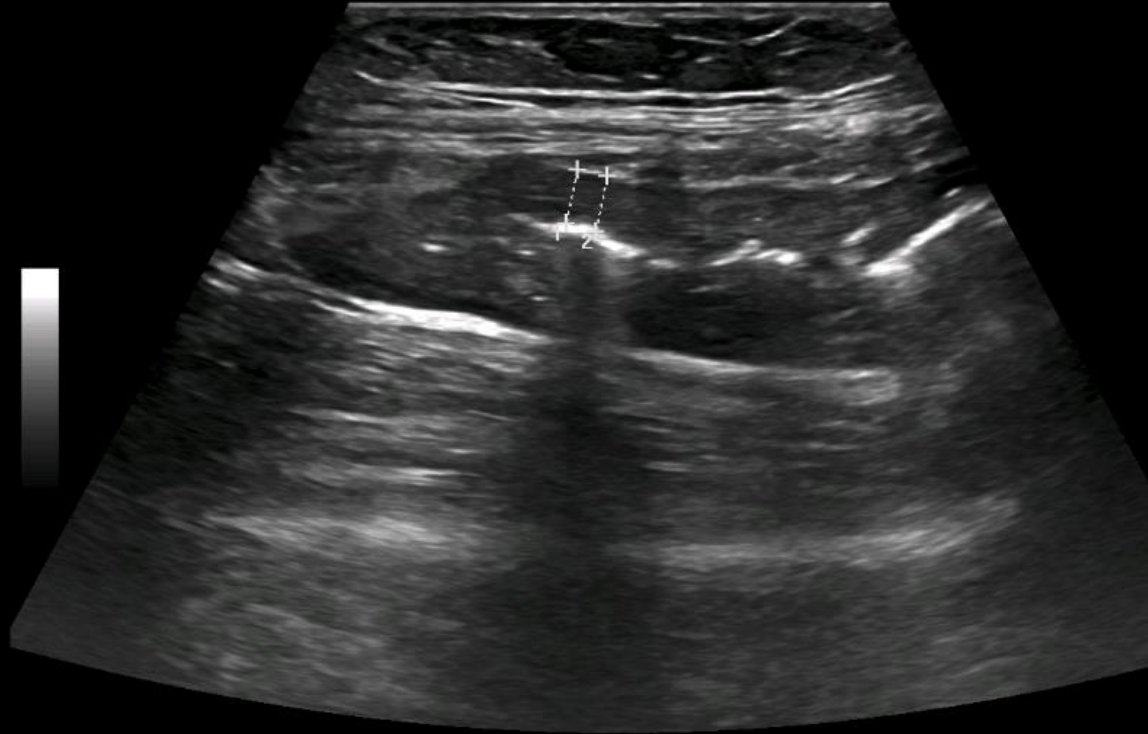
C TRANSVERSUM

Age at study: 046Y

UZ Leuven
UZLGEIGEUS01



LOGIQ



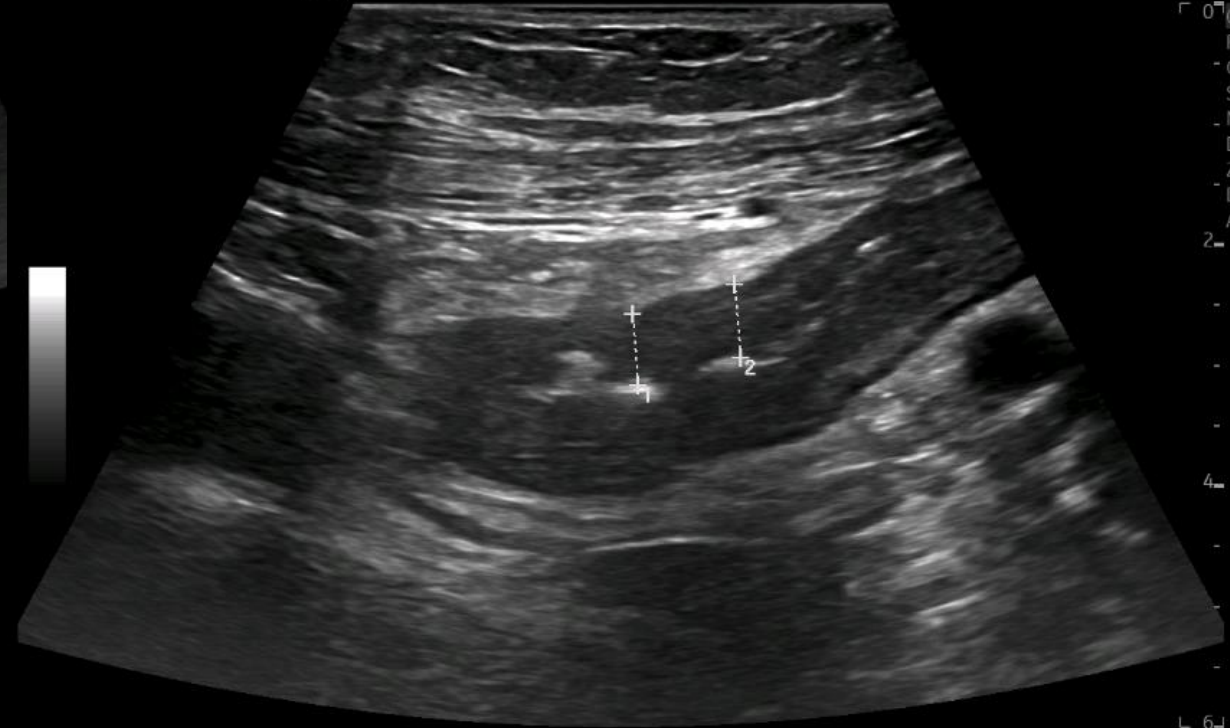
C DESCENDENS

1 L 4.5 mm
2 L 4.6 mm

CHI X
Frq 9.0
Gn 33
S/A 3/4
Map C/3
D 6.0
Zm 0
DR 60
AO% 70



LOGIQ



SIGMOID

1 L 5.9 mm
2 L 6.1 mm

CHI X
Frq 9.0
Gn 33
S/A 3/4
Map C/3
D 6.0
Zm 0
DR 60
AO% 70

IUS Report December 20th 2024

- **Ileum**

- BWT 1.5 mm
- Limberg score 0

- **Ascending colon**

- BWT 4.7 mm
- Limberg score 2
- iFat

- **Transverse colon**

- BWT 4.6 mm
- Limberg score 3
- Loss of stratification
- iFat

- **Descending colon**

- BWT 4.6 mm
- Limberg score 3
- Loss of stratification
- Ulcerations
- iFat

- **Sigmoid**

- BWT 6.1 mm
- Limberg score 3
- Loss of stratification
- Ulcerations
- iFat

BWT (mm worst affected segment) x 1.4 + CDS : 6.1mm x 1.4 + 1 x 3

MUC 10.54

What would be your next step ?

- A. I would prefer an endoscopic assessment (sigmoidoscopy)
- B. I know enough and I start rescue therapy
- C. I know enough and refer the patient for colectomy
- D. Other



Case 1

- December 20th 2024
 - Admission due to acute severe colitis despite high dose steroids po + etrasimod
 - CRP 104.8 mg/L
 - Albumin 27g/L
- She **started on infliximab 10mg/kg + azathioprin**

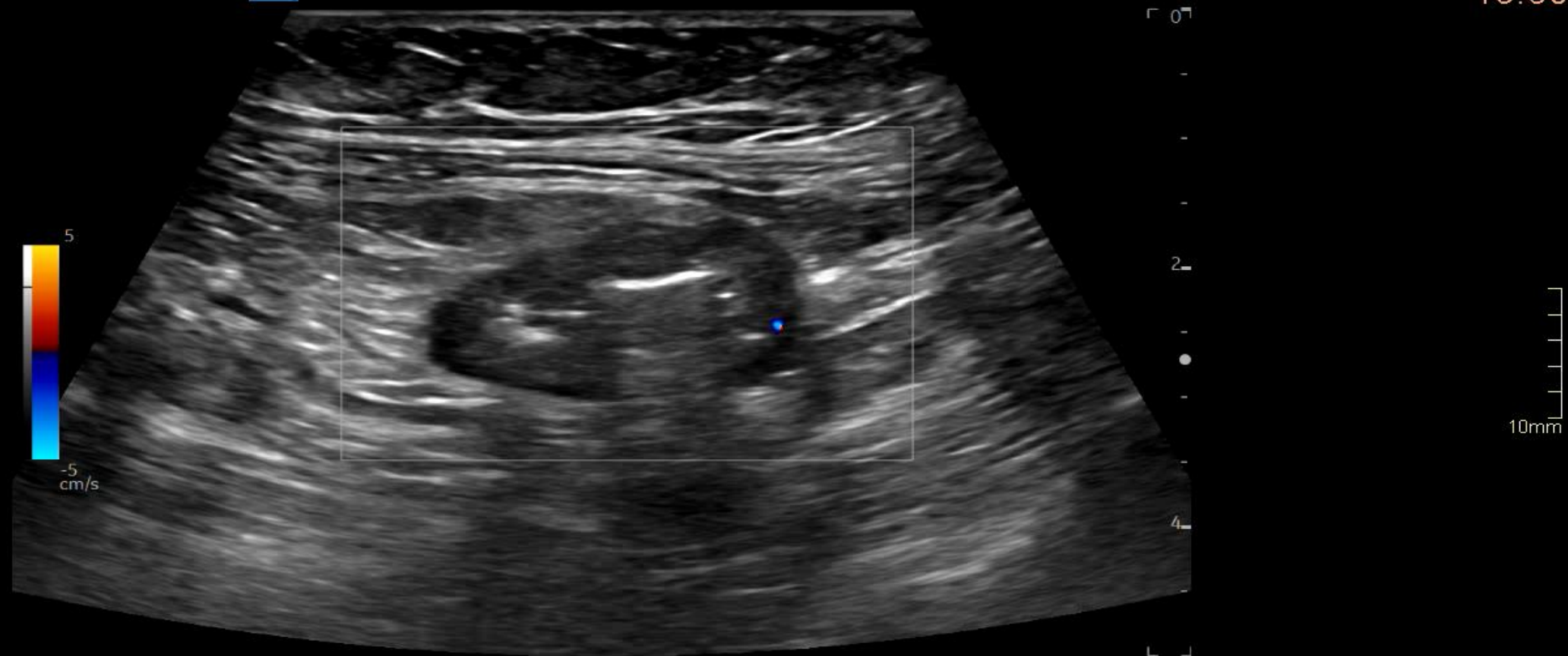


IM: 30 (61)

22/12/24 13:50:38 ADM L2-9 Bowel MI 1.4 TIs 0.6

[LOGIQ](#)

22-12-2024
13:50



SIGMOID

Age at study: 046Y

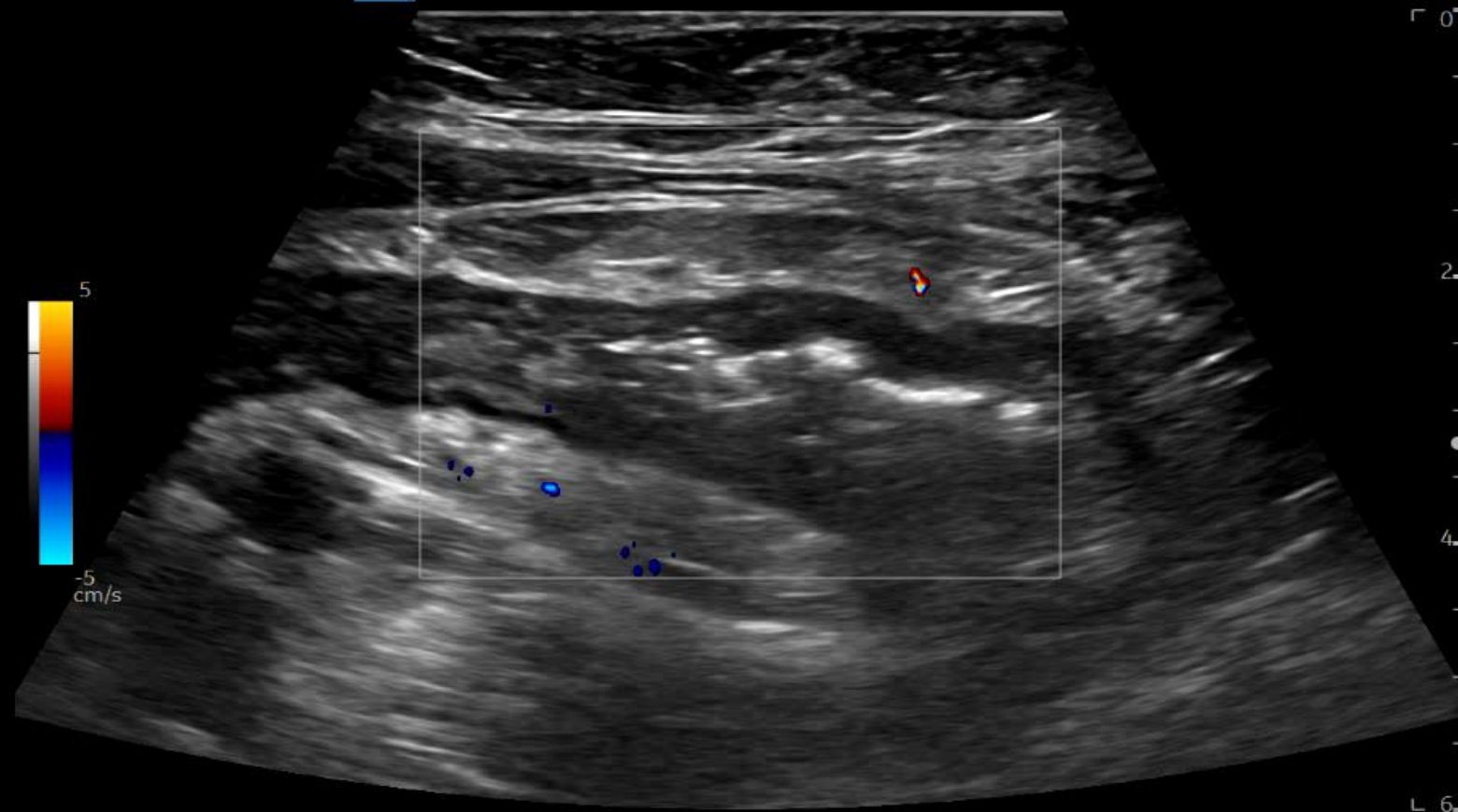
UZ Leuven
UZLGEIGEUS01

IM: 70 (56)

22/12/24 13:53:01 ADM L2-9 Bowel MI 1.3 TIs 0.7

LOGIQ

22-12-2024
13:53



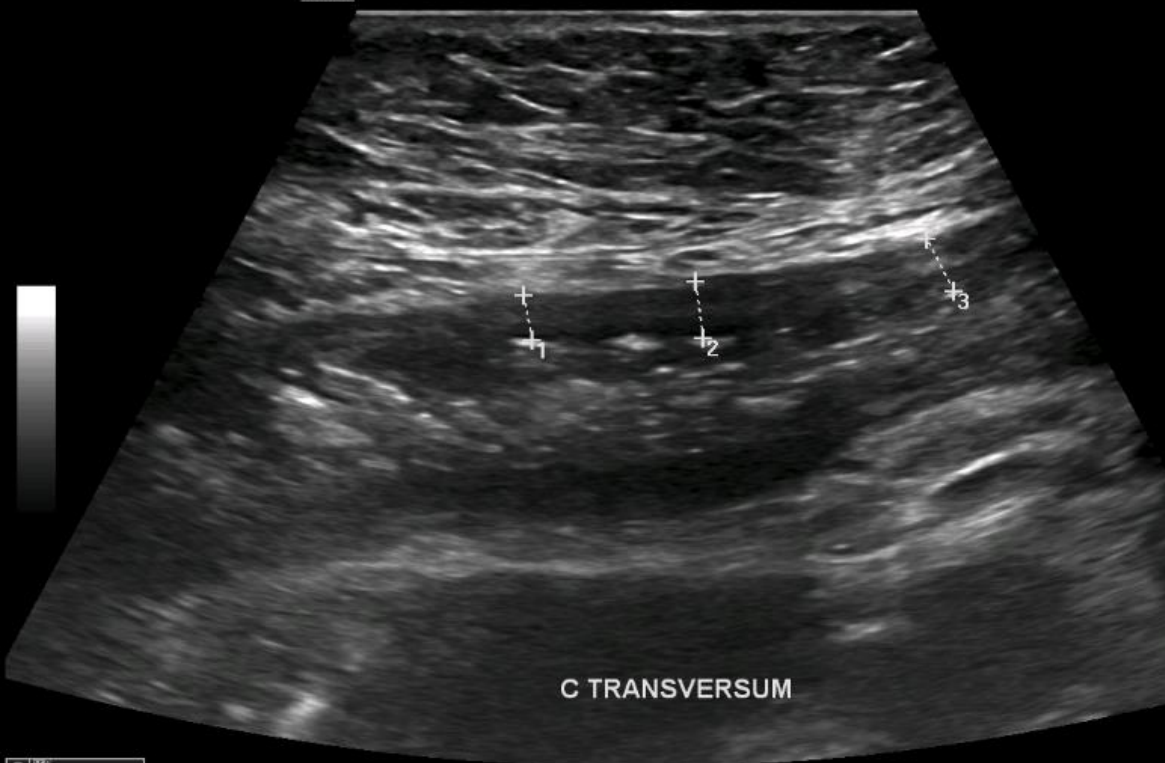
SIGMOID

Age at study: 046Y

UZ Leuven
UZLGEIGEUS01



LOGIQ



C TRANSVERSUM

1 L 3.6 mm
2 L 4.5 mm
3 L 4.6 mm

CHI X
Frq 9.0
Gn 33
S/A 3/4
Map C/3
D 6.0
Zm 0
DR 60
AO% 70



UZ Leuven - Endoscopie
22/12/24 13:54:58

ADM

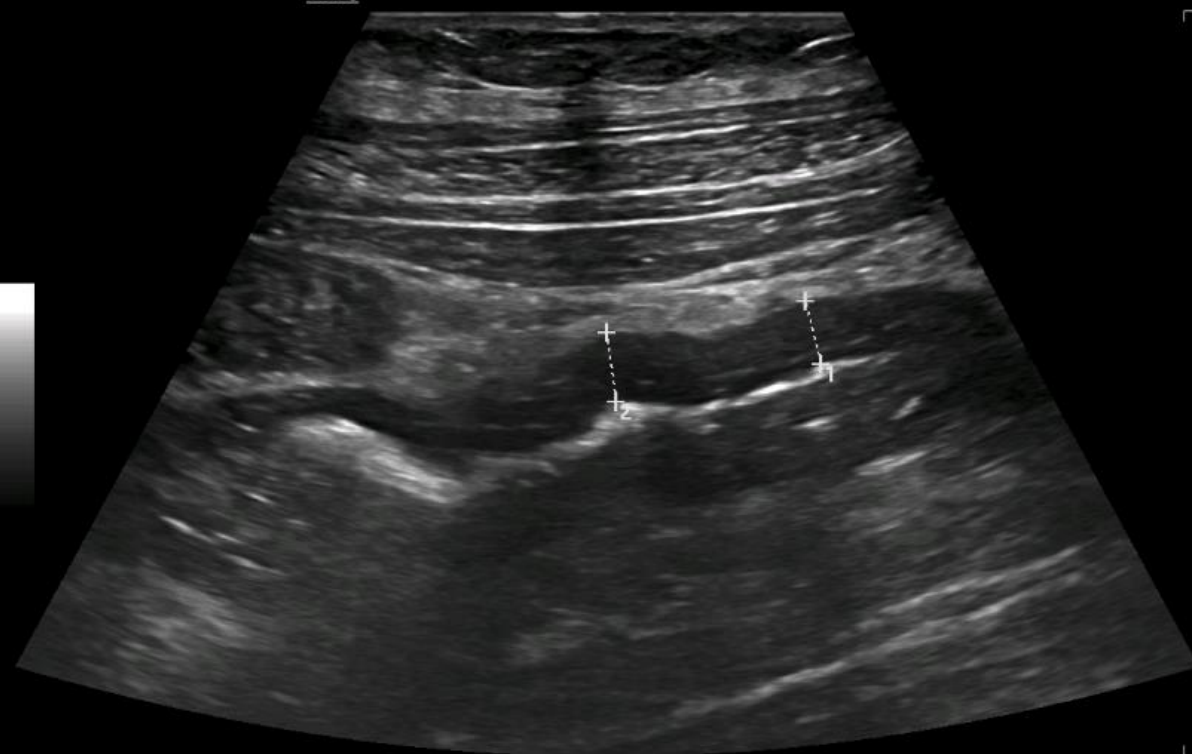
MI 1.1

TIs 0.8

L2-9
Bowel

FR 43

LOGIQ



C DESCENDENS

1 L 6.1 mm
2 L 6.6 mm

CHI X
Frq 9.0
Gn 33
S/A 3/4
Map C/3
D 7.0
Zm 0
DR 60
AO% 70

IUS Report December 22nd 2024

- **Ileum**
 - BWT 1.5 mm
 - Limberg score 0
- **Ascending colon**
 - BWT 4.7 mm
 - Limberg score 2
 - iFat
- **Transverse colon**
 - BWT 4.6 mm
 - Limberg score 2
 - Loss of stratification
- **Descending colon**
 - BWT 6.1 mm
 - Limberg score 3
 - Loss of stratification
 - Ulcerations
 - iFat
- **Sigmoid**
 - BWT 4.9 mm
 - Limberg score 3
 - Loss of stratification
 - Ulcerations
 - iFat

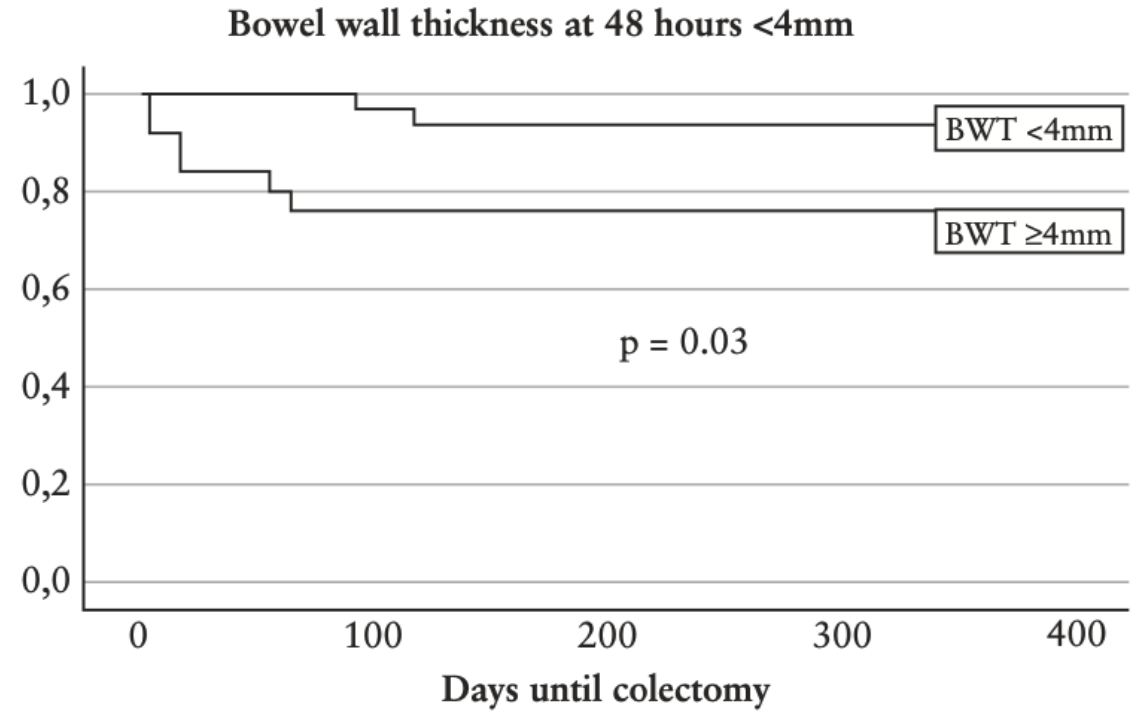
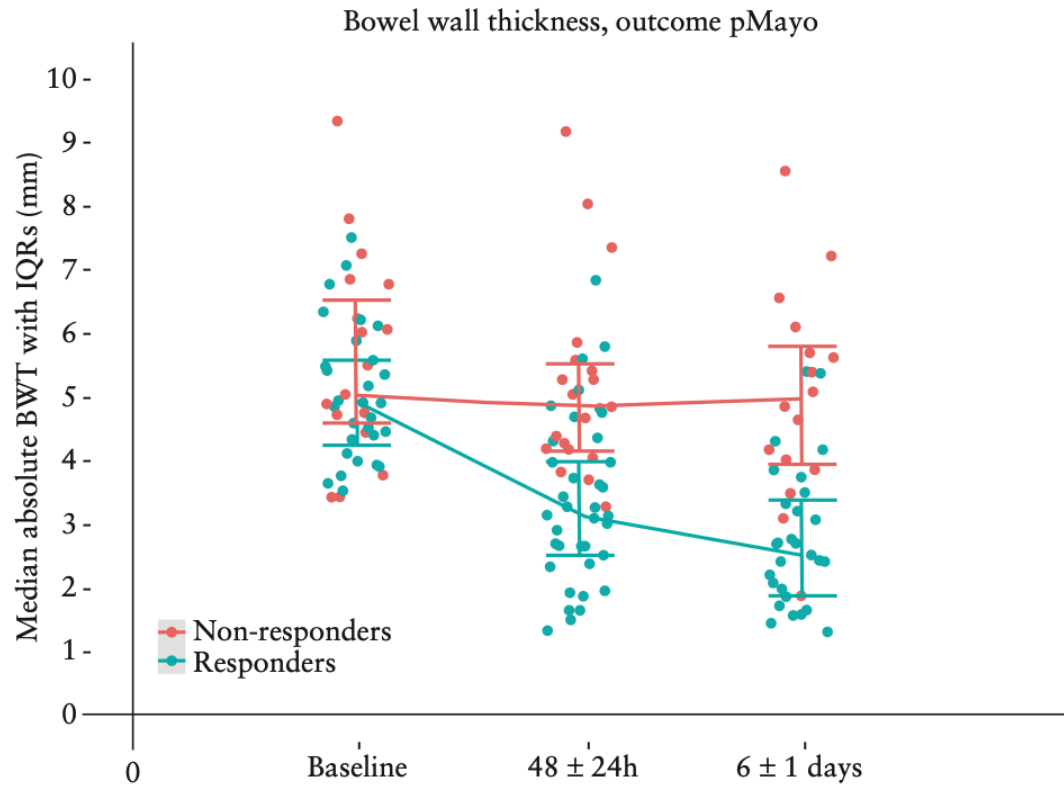
BWT (mm worst affected segment) x 1.4 + CDS : 6.1mm x 1.4 + 1 x 3

MUC 10.54

What would be your next step ?

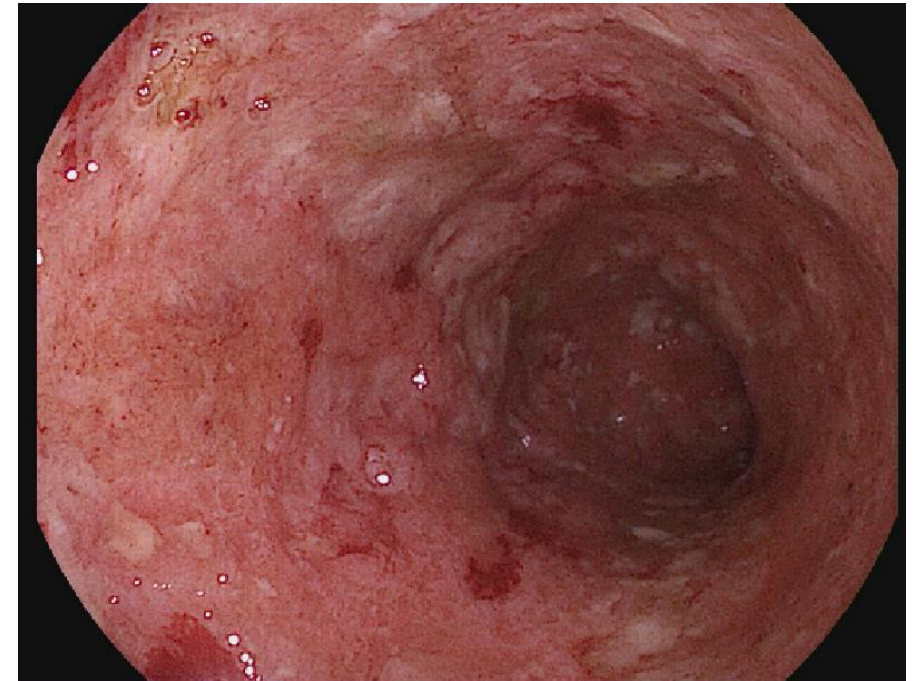
- A. I would prefer an endoscopic assessment (sigmoidoscopy)
- B. I know enough and I continue rescue therapy
- C. I know enough and refer the patient for colectomy
- D. Other

IUS in the context of ASUC



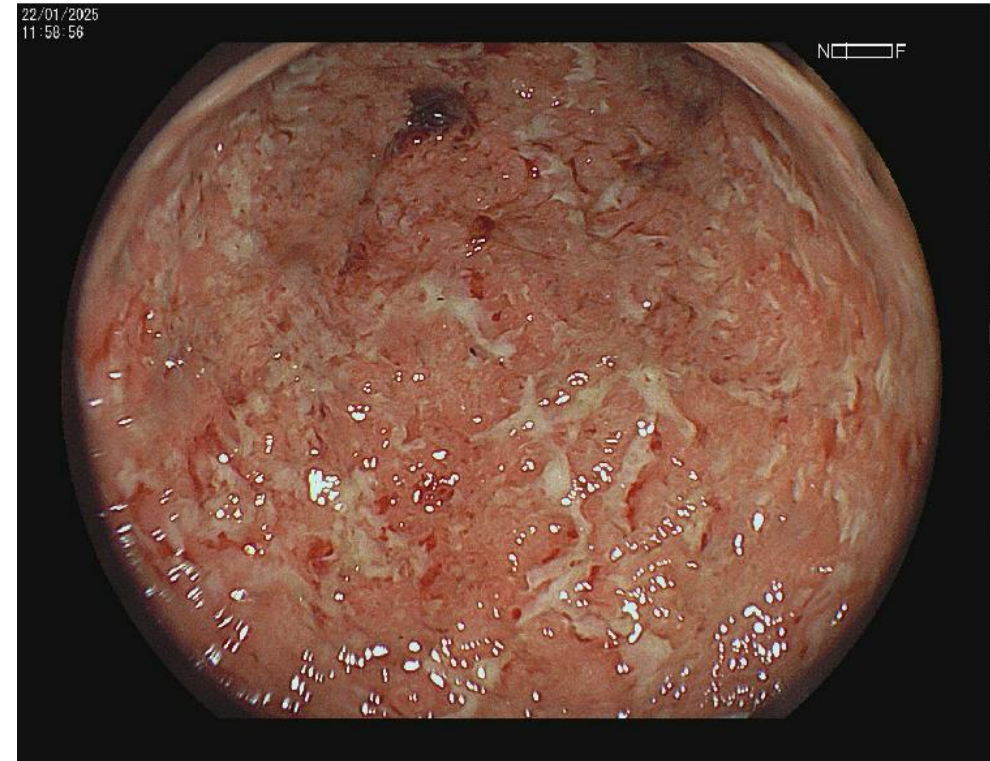
Case 1

- December 20th 2024
 - Admission due to acute severe colitis despite high dose steroids po + etrasimod
 - CRP 104.8 mg/L
 - Albumin 27g/L
- She started on infliximab 10mg/kg + azathioprine
 - Clinical response
 - Biochemical response: CRP 104.8mg/L > 7.6mg/L on Dec 27th
 - IUS: MUC unchanged
 - Continued infliximab
 - 2nd infusion on Dec 27th 10mg/kg
 - 3rd infusion on Jan 9th 10mg/kg



Case 1

- **January 22nd 2025**
 - Re-admission due to recurrent acute severe colitis despite high dose IFX combo
 - CRP 123.9 mg/L
 - Albumin 20.8g/L
 - Adequate infliximab level
- She refused colectomy
- She started upadacitinib 45mg
 - Quick clinical improvement
 - Quick biochemical improvement





Case 1

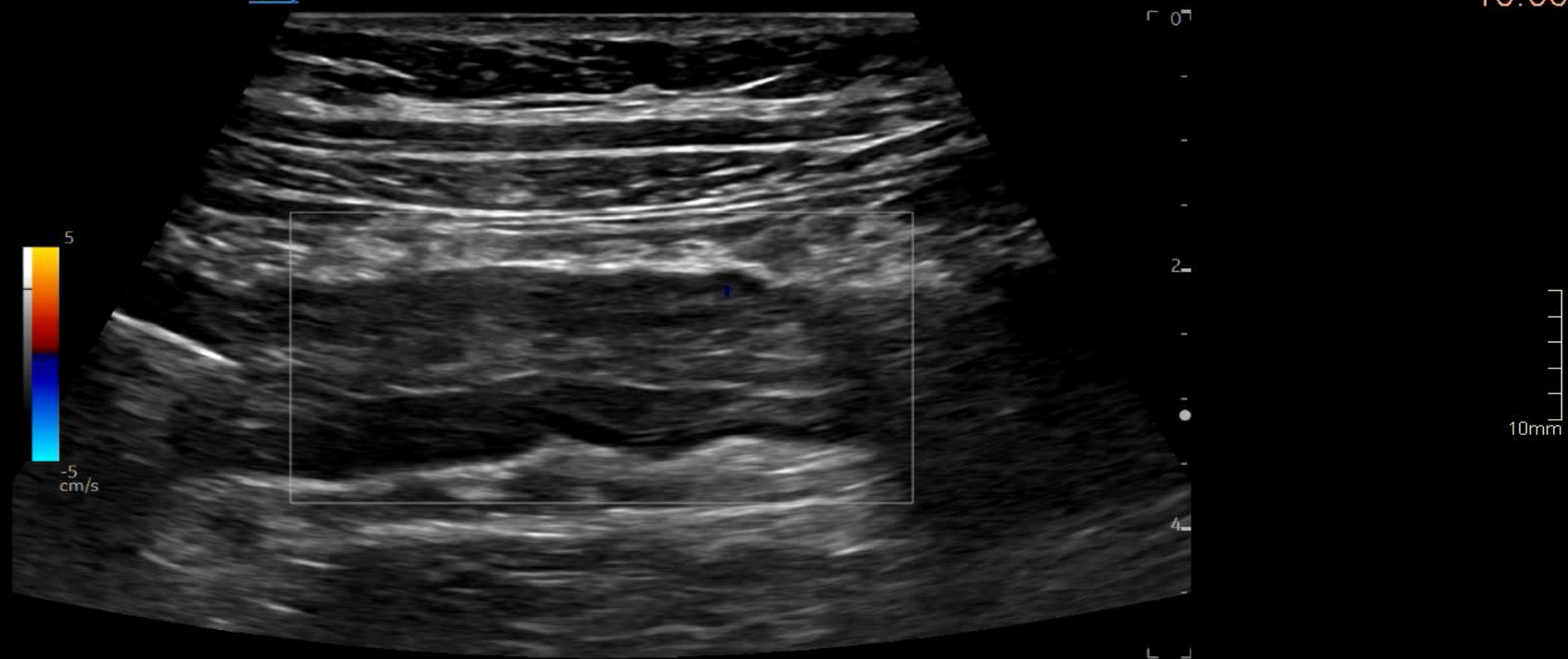
- **February 6th 2025**
 - Outpatient visit
 - Clinical remission
 - CRP 23 mg/L (< 123.9 mg/L)
 - Albumin 36.3 g/L (< 20.6 g/L)

IM: 90 (94)

06/02/25 10:06:21 ADM L2-9 Bowel MI 1.4 TIs 0.7

LOGIQ

06-02-2025
10:06



C DESCENDENS

Age at study: 046Y

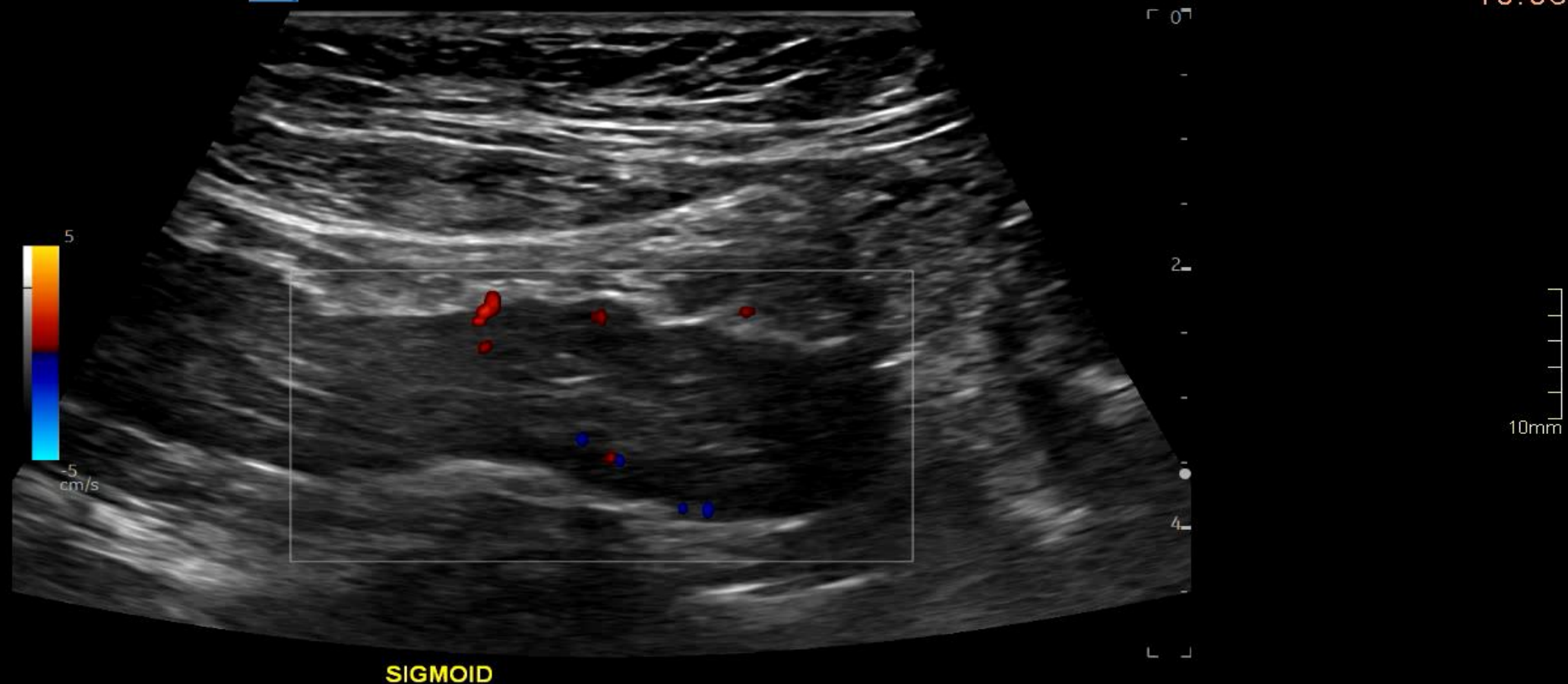
UZ Leuven
UZLGEIGUS01

IM: 60 (68)

06/02/25 10:04:54 ADM L2-9 Bowel MI 1.2 TIs 0.7

[LOGIQ](#)

06-02-2025
10:05



Age at study: 046Y

UZ Leuven
UZLGEIGEUS01



UZ Leuven - Endoscopie
06/02/25 10:10:58

ADM

MI 1.1

TIs 0.6

L2-9

Bowel

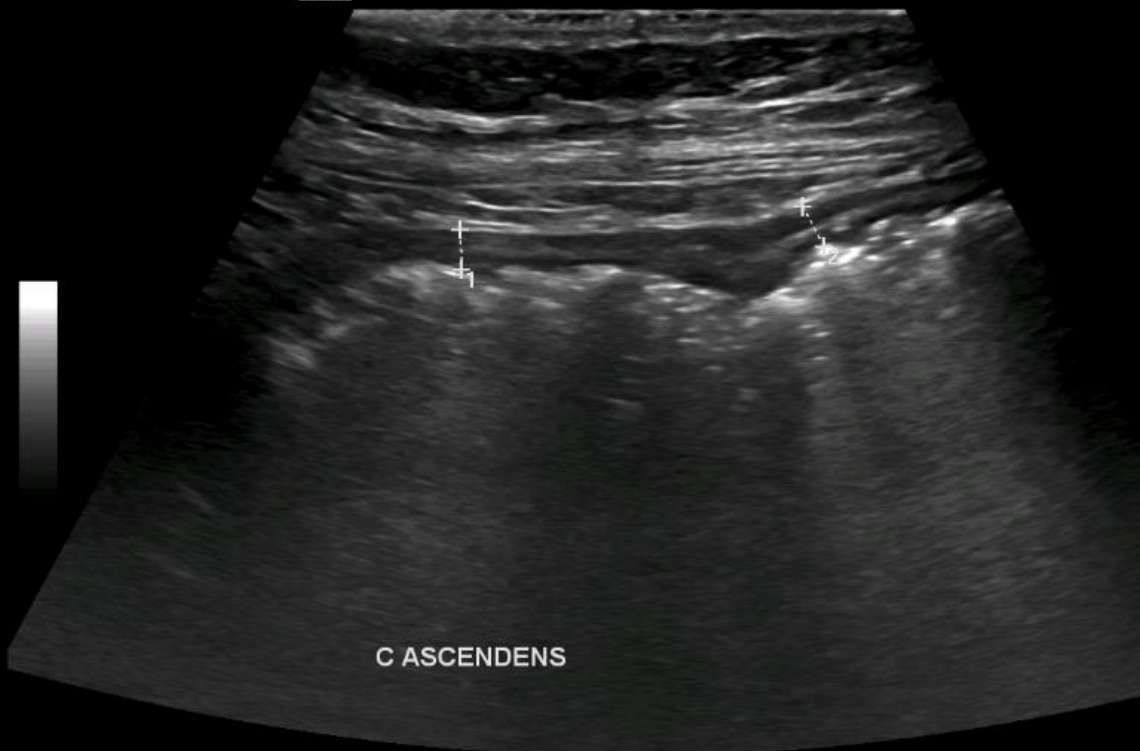
FR 48



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رابطة الجهاز الهضمي والكبد الكويتية

LOGIQ



C ASCENDENS

1 L 3.2 mm
2 L 3.6 mm

CHI X
Frq 9.0
Gn 33
S/A 3/4
Map C/3
D 6.0
Zm 0
DR 60
AO% 70



UZ Leuven - Endoscopie
06/02/25 10:07:56

ADM

MI 1.1

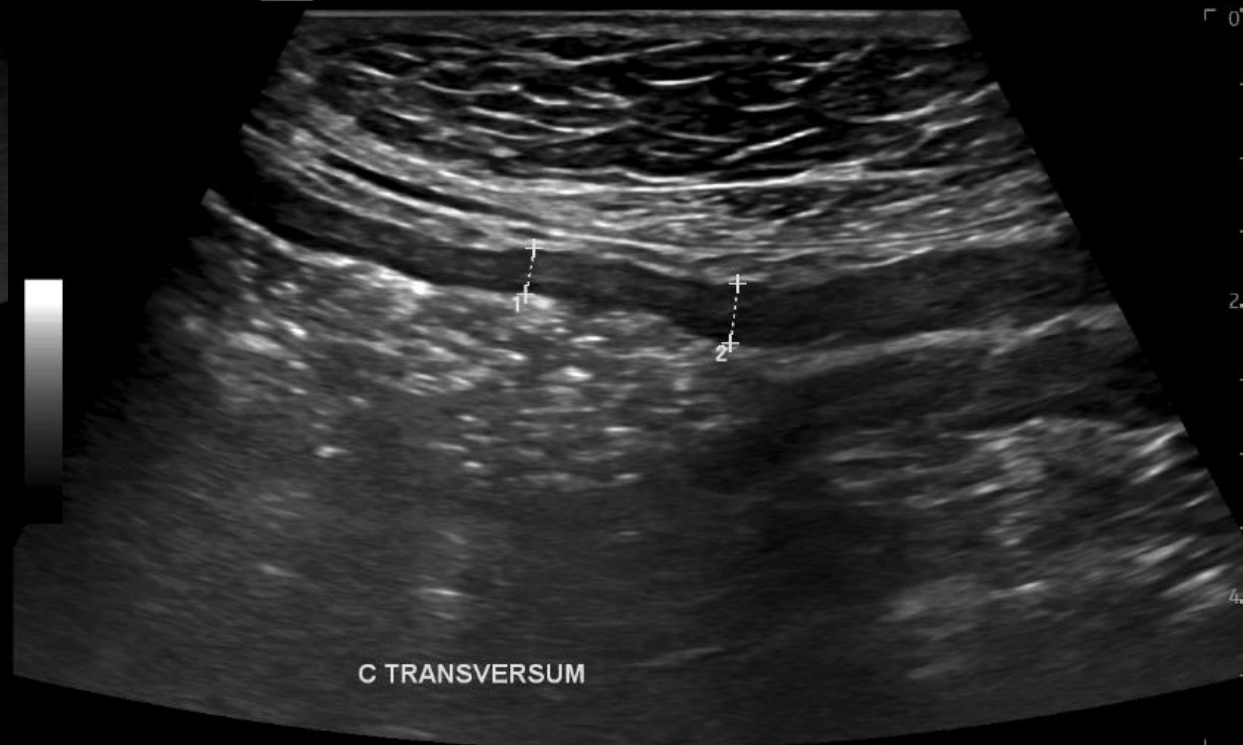
TIs 0.4

L2-9

Bowel

FR 55

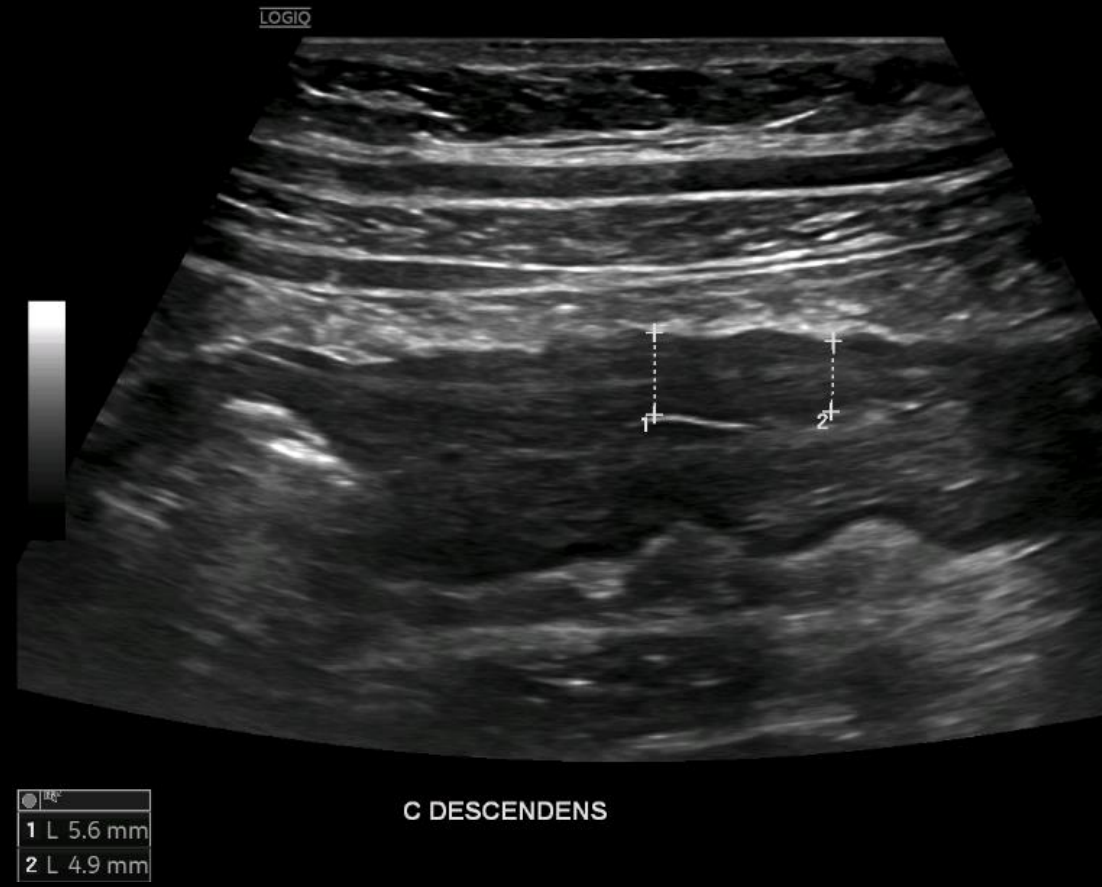
LOGIQ



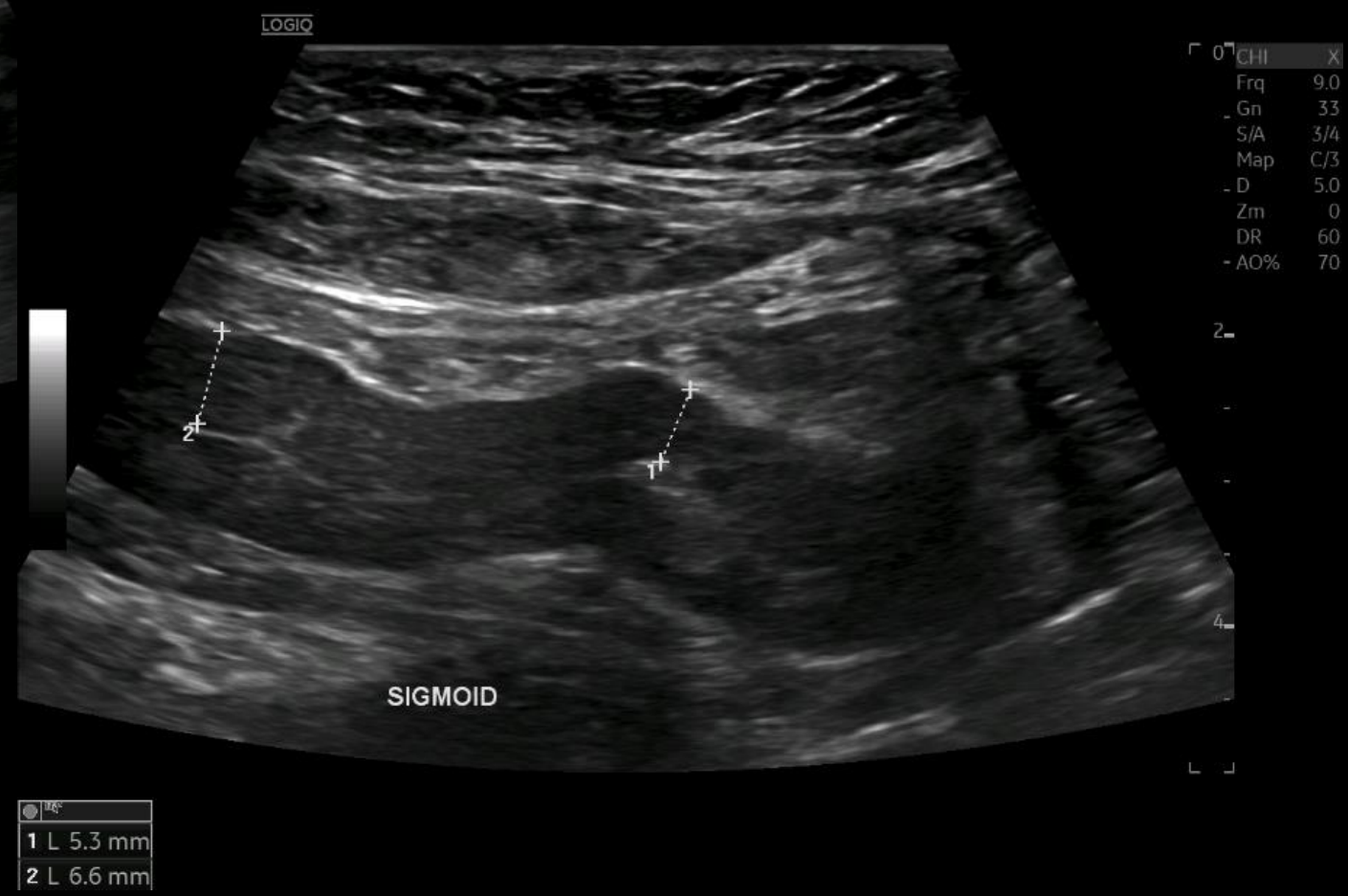
C TRANSVERSUM

1 L 3.2 mm
2 L 4.1 mm

CHI X
Frq 9.0
Gn 33
S/A 3/4
Map C/3
D 5.0
Zm 0
DR 60
AO% 70



CHI	X
Frq	9.0
Gn	33
S/A	3/4
Map	C/3
D	5.0
Zm	0



CHI	X
Frq	9.0
Gn	33
S/A	3/4
Map	C/3
D	5.0
Zm	0
DR	60
AO%	70

IUS Report February 6th 2025

- **Ileum**

- BWT 1.5 mm // 1.0 mm
- Limberg score 0 // 0

- **Ascending colon**

- BWT 4.7 mm // 3.4 mm
- Limberg score 2 // 1
- iFat gone

- **Transverse colon**

- BWT 4.6 mm // 4.1 mm
- Limberg score 2 // 1
- Loss of stratification gone

- **Descending colon**

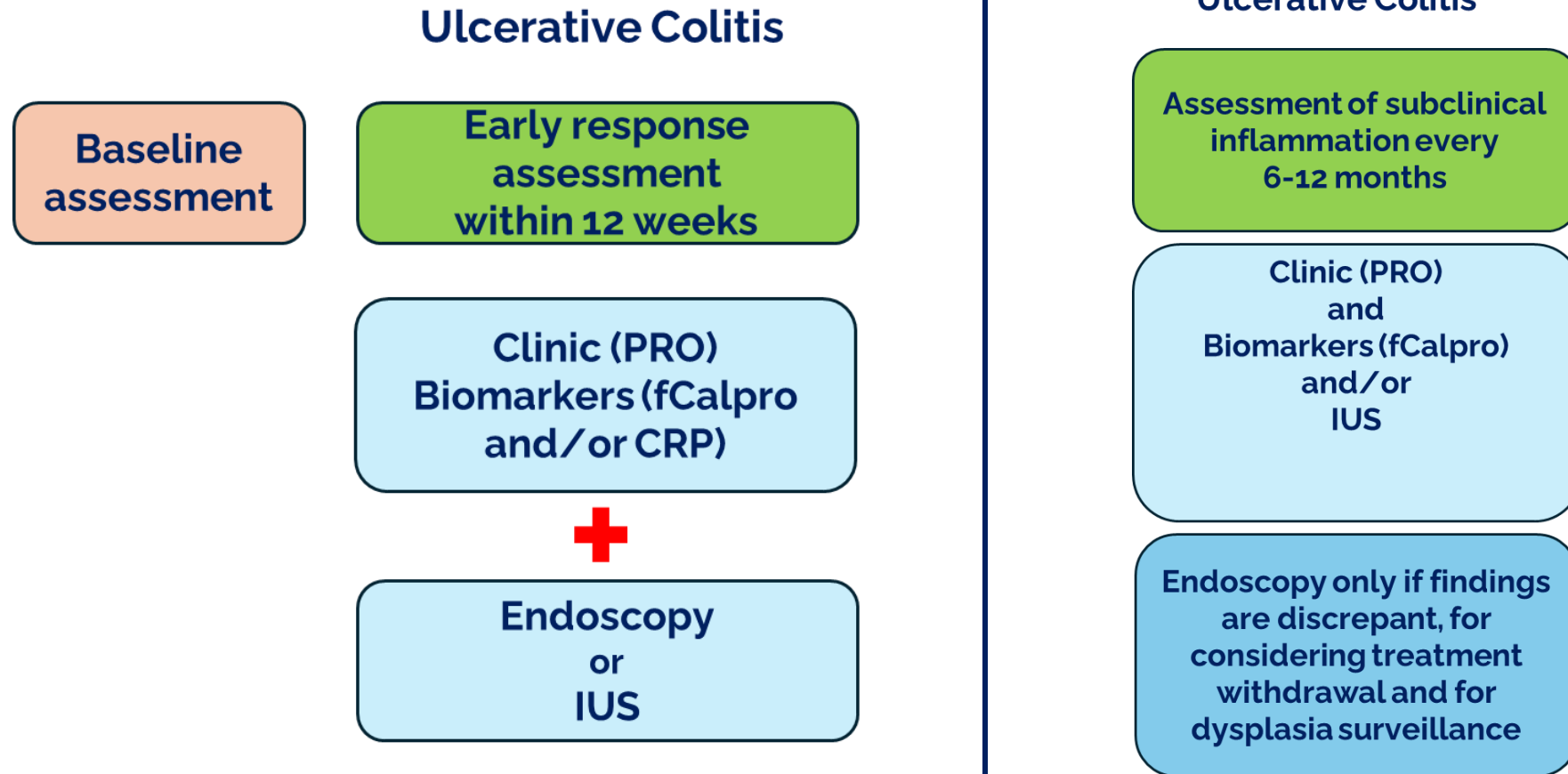
- BWT 6.1 mm // 5.0 mm
- Limberg score 3 // 1
- Loss of stratification
- Ulcerations
- iFat

- **Sigmoid**

- BWT 4.9 mm // 5.7 mm
- Limberg score 3 // 2
- Loss of stratification
- Ulcerations
- iFat

MUC 9.98

How to implement IUS in UC disease monitoring

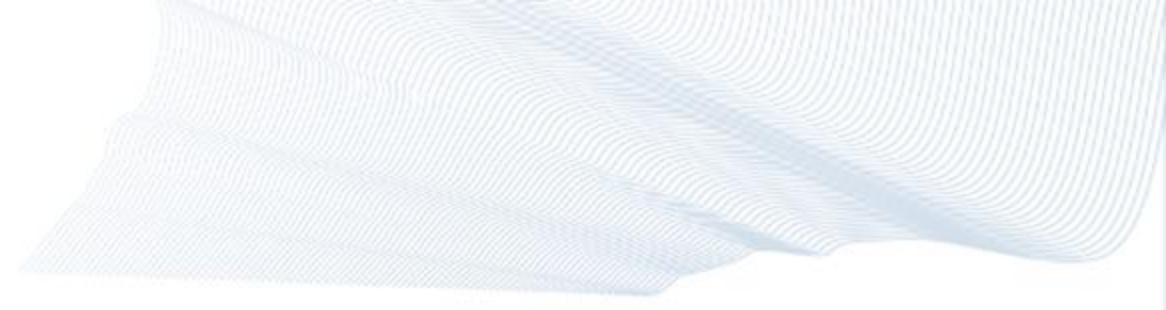




international bowel
ULTRASOUND GROUP



KUWAIT GASTROENTEROLOGY ASSOCIATION
رابطة الجهاز الهضمي والكبد الكويتية



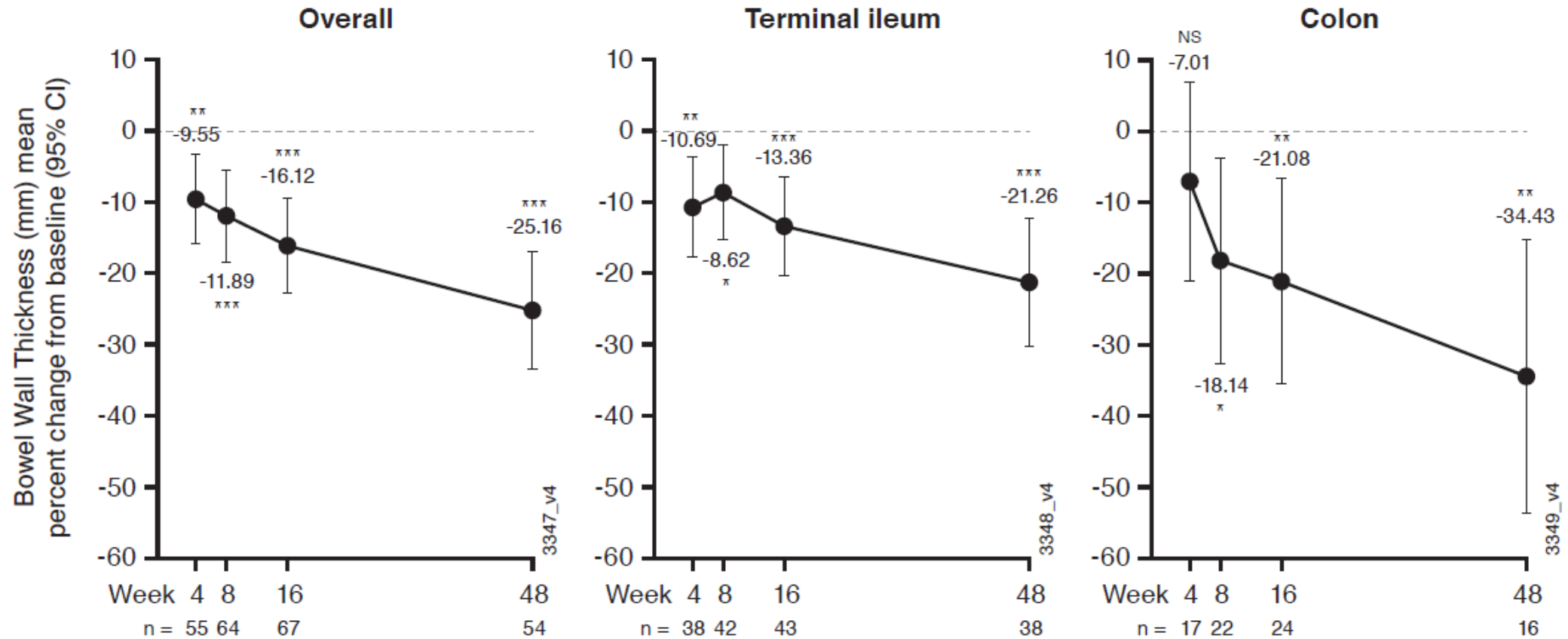
Key parameters in CD monitoring

	Simple IUS score 2017 Novak K	Simple IUS score 2021 Sævik F	IBUS SAS 2021 Novak K	Simple US Score 2020 Ripollée's T	Bowel US Score 2021 Allocca M	IBUS USE-IT 2023* IBUS
BWT						
CDS						
i-fat						
BWS						
VAS			→			
Endoscop	←	→		→	→	
Validated						

Criteria

- BWT (cut-off at 3 mm)
- CDS
- i-fat

The responsiveness of BWT and CDS during treatment



Key parameters in CD monitoring

	Simple IUS score 2017 Novak K	Simple IUS score 2021 Sævik F	IBUS SAS 2021 Novak K	Simple US Score 2020 Ripollee's T	Bowel US Score 2021 Allocca M	IBUS USE-IT 2023* IBUS
BWT						
CDS						
i-fat						
BWS						
VAS						
Endoscop						
Validated						

Criteria

- BWT (cut-off at 3 mm)
- CDS
- i-fat

IBUS-SAS

Table 2. Core activity parameters, Delphi grading consensus

	Normal	Uncertain	Activity	
BWT	≤3 mm	NA	>3 mm	
i-fat	0 = Absent	1 = Uncertain	2 = Present	
CDS	0 = Absent [none]	1 = Short signals	2 = Long signals inside bowel	3 = Long signals inside & outside bowel
BWS	0 = Normal	1 = Uncertain	2 = Focal [≤ 3 cm]	3 = Extensive [>3 cm]

BWT, bowel wall thickness; i-fat, inflammatory fat; CDS, colour Doppler signal; BWS, bowel wall stratification; NA, not applicable.

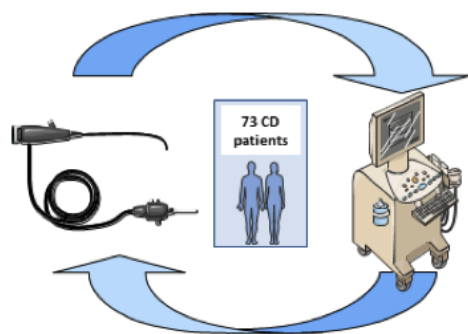
$$\text{IBUS-SAS} = \text{BWT} \times 4 + \text{i-fat} \times 15 + \text{CDS} \times 7 + \text{BWS} \times 4$$

IBUS-SAS

Correlation of ultrasound scores with endoscopic activity in Crohn's disease: a prospective exploratory study

OBJECTIVE

To compare intestinal ultrasound scores (i.e., IBUS-SAS, BUSS, SUS-CD, and Simple-US) regarding their correlation with endoscopy.

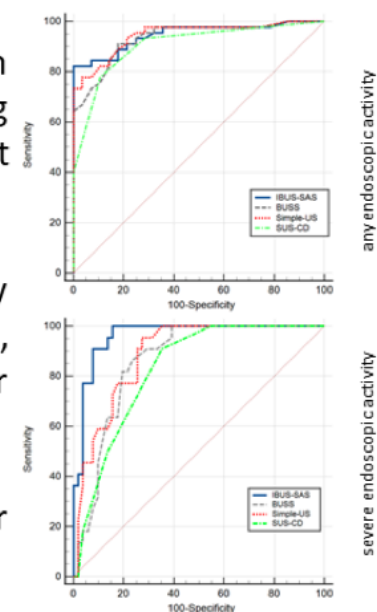


RESULTS

All scores showed significant positive correlation with endoscopy ($p < 0.0001$), with IBUS-SAS ranking the highest ($\rho = 0.87$). IBUS-SAS was also the most correlated with clinical activity ($\rho = 0.58$).

ROC curve of IBUS-SAS for endoscopic activity showed the highest AUC (0.95 [95% CI 0.87-0.99], with sensitivity of 82.2% and specificity of 100% for a cut-off value of 25.2.

IBUS-SAS was statistically superior to all other scores to detect severe endoscopic activity.



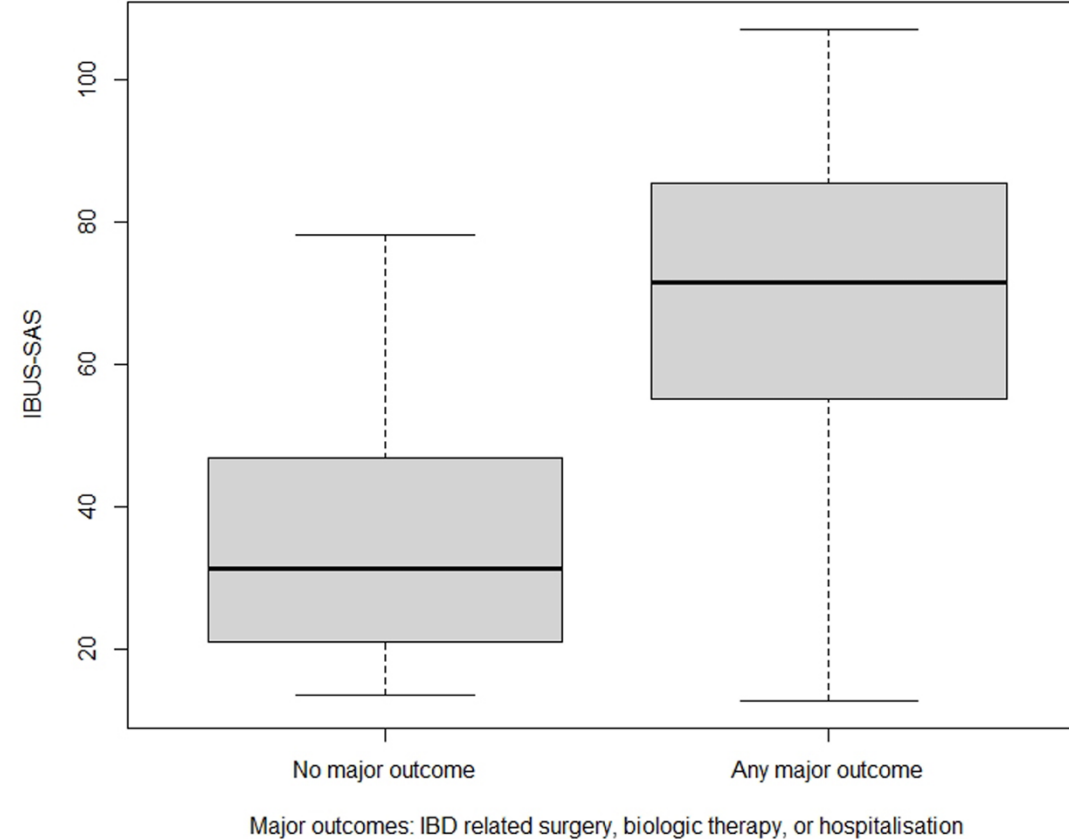
CONCLUSION

IBUS-SAS outperformed the other scores and may be suggested in Centres with adequate experience in intestinal ultrasound.

IBUS-SAS has a prognostic value !

IBUS-SAS (n=60)
new onset IBD 51,
BWT of 5.2 mm.
 Δ -17.0 at 3 months
(p=0.008).

Figure 1. Association between IUS score at diagnosis and major outcomes





19y woman, refractory to adalimumab – vedolizumab – ustekinumab – JAK inhibitor



$$\text{IBUS-SAS} = 5.5 (\text{BWT}) \times 4 + 2 (\text{i-fat}) \times 15 + 1 (\text{CDS}) \times 7 + 0 (\text{BWS}) \times 4$$

$$\text{IBUS-SAS} = 59$$

**IBUS-SAS**

BWT (X.x)

CDS (0-3)

BWS (0-3)

i-FAT (0-2)

IBUS-SAS**BWT**

Continuous

CDS

0 = 0

1 = short

2 = long

3 = outside

BWS

0 = normal

1 = uncertain

2 = focal

3 = long

i-FAT

0 = normal

1 = uncertain

2 = certain

19y woman, refractory to adalimumab – vedolizumab -
ustekinumab – JAK inhibitor



IBUS-SAS

BWT (X.x)
CDS (0-3)
BWS (0-3)
i-FAT (0-2)

IBUS-SAS

BWT

Continuous

CDS

0 = 0

1 = short

2 = long

3 = outside

BWS

0 = normal

1 = uncertain

2 = focal

3 = long

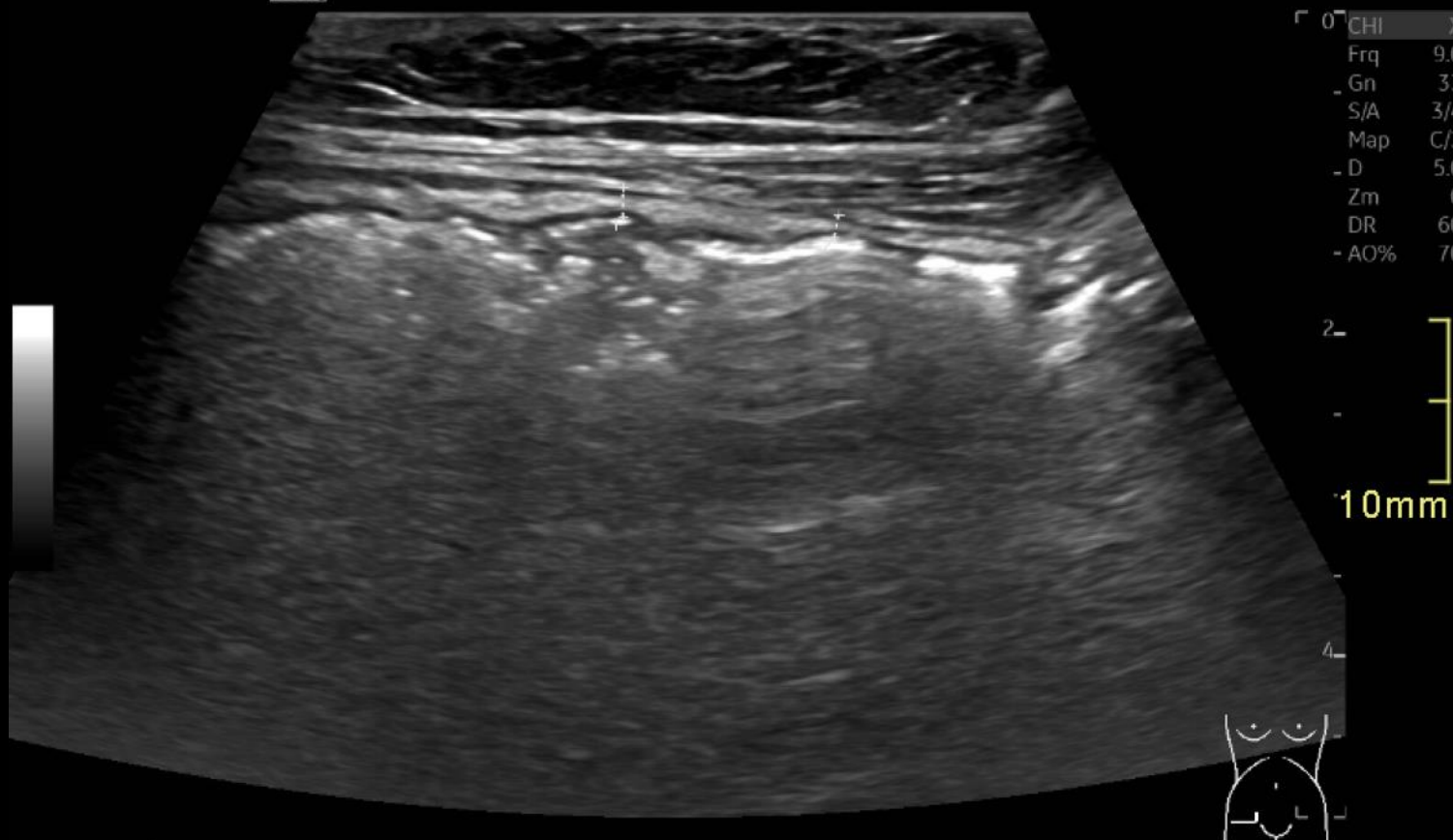
i-FAT

0 = normal

1 = uncertain

2 = certain

LOGIQ



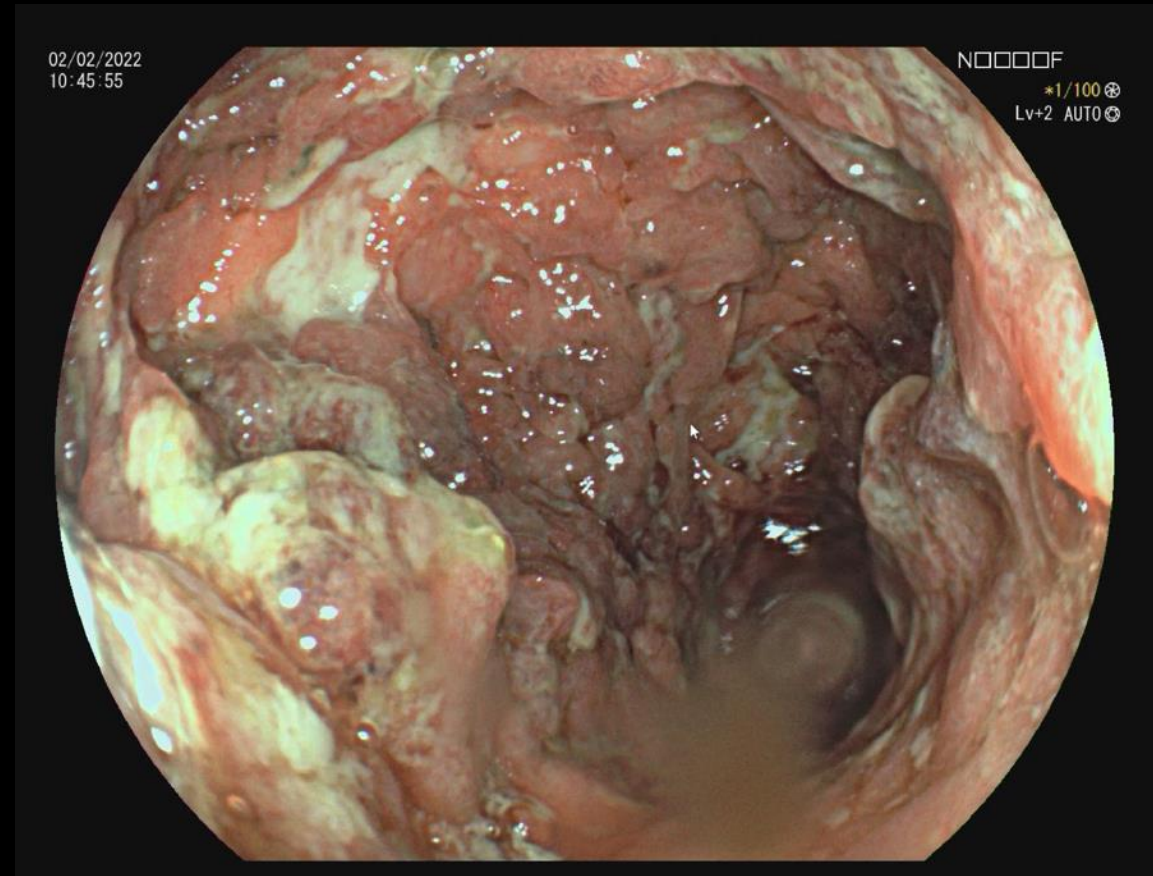
ILEUM

1 L 1.8 mm
2 L 1.4 mm

$$\text{IBUS-SAS} = 1.6 (\text{BWT}) \times 4 + 0 (\text{i-fat}) \times 15 + 0 (\text{CDS}) \times 7 + 0 (\text{BWS}) \times 4$$

$$\text{IBUS-SAS} = 6.4 < 25$$

Post induction infliximab combo with proactive TDM



20y man, hospitalised with new diagnosis colonic CD



UZ Leuven
02/02/22 13:47:38

ADM

DEKLEERMAEKER, TIM
79186482, 08/06/97

MI 1.2
Male

Tis 0.4

9L
Bowels

FR 34

- CHI
- Frq 9.0
- Gn 48
- S/A 3/3
- Map A/C
- D 4.4
- DR 68
- 1" AO% 100

1.5mm

+4.97
-4.97
cm/s

LOGIO
E9

C. ASCENDENS

1 L 0.63 cm



KUWAIT GASTRO
عبد الكويتية

IBUS-SAS

BWT (X.x)

CDS (0-3)

BWS (0-3)

i-FAT (0-2)

IBUS-SAS

BWT

Continuous

CDS

0 = 0

1 = short

2 = long

3 = outside

BWS

0 = normal

1 = uncertain

2 = focal

3 = long

i-FAT

0 = normal

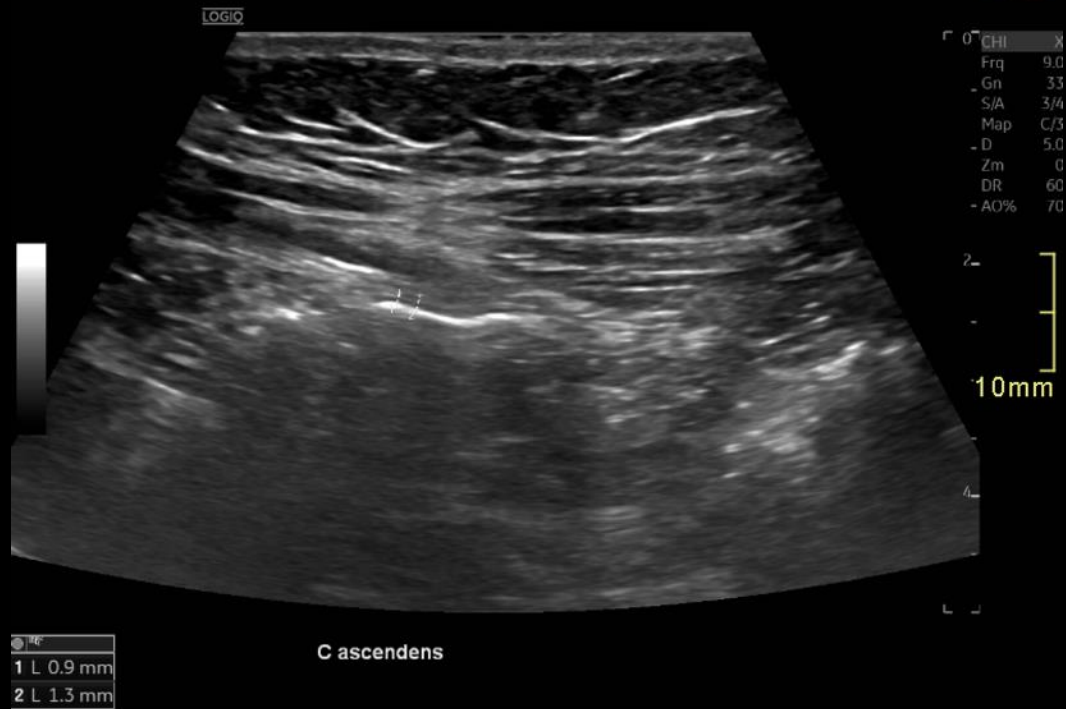
1 = uncertain

2 = certain

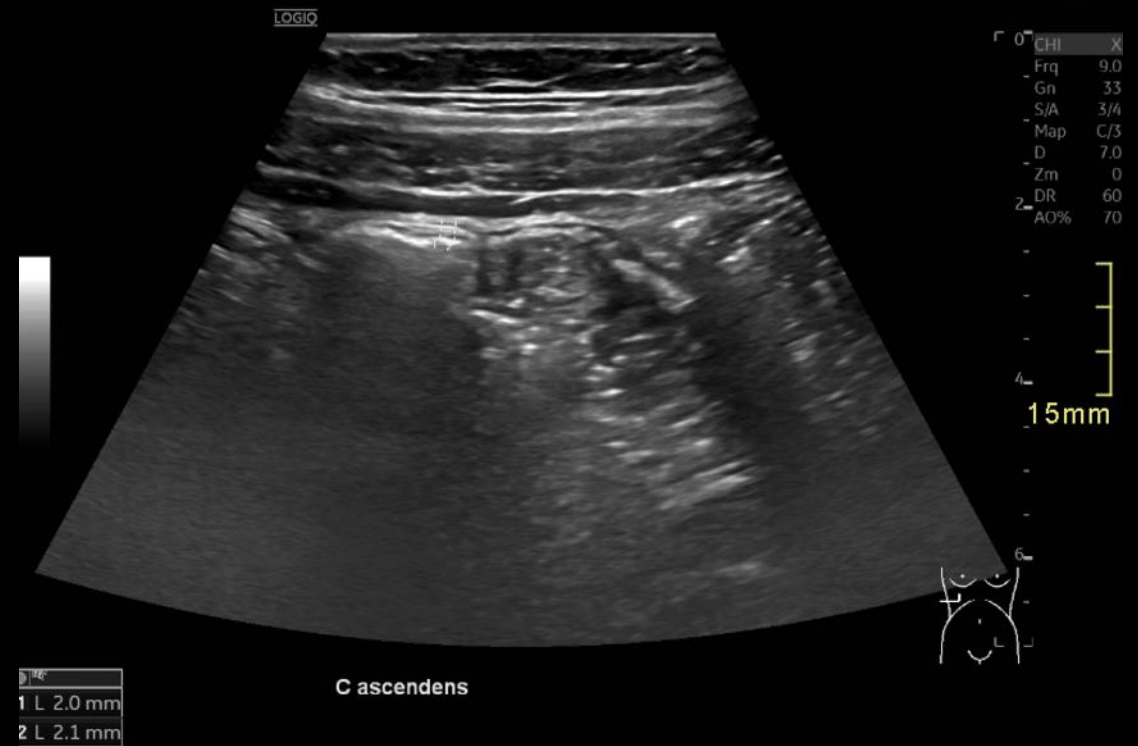
$$\text{IBUS-SAS} = 6.3 (\text{BWT}) \times 4 + 2 (\text{i-fat}) \times 15 + 2 (\text{CDS}) \times 7 + 2 (\text{BWS}) \times 4$$

$$\text{IBUS-SAS} = 77.2$$

20y man, hospitalised with new diagnosis colonic CD



6 weeks after IFX rescue therapy



IBUS-SAS

BWT (X.x)
CDS (0-3)
BWS (0-3)
i-FAT (0-2)

IBUS-SAS

BWT

Continuous

CDS

0 = 0

1 = short

2 = long

3 = outside

BWS

0 = normal

1 = uncertain

2 = focal

3 = long

i-FAT

0 = normal

1 = uncertain

2 = certain

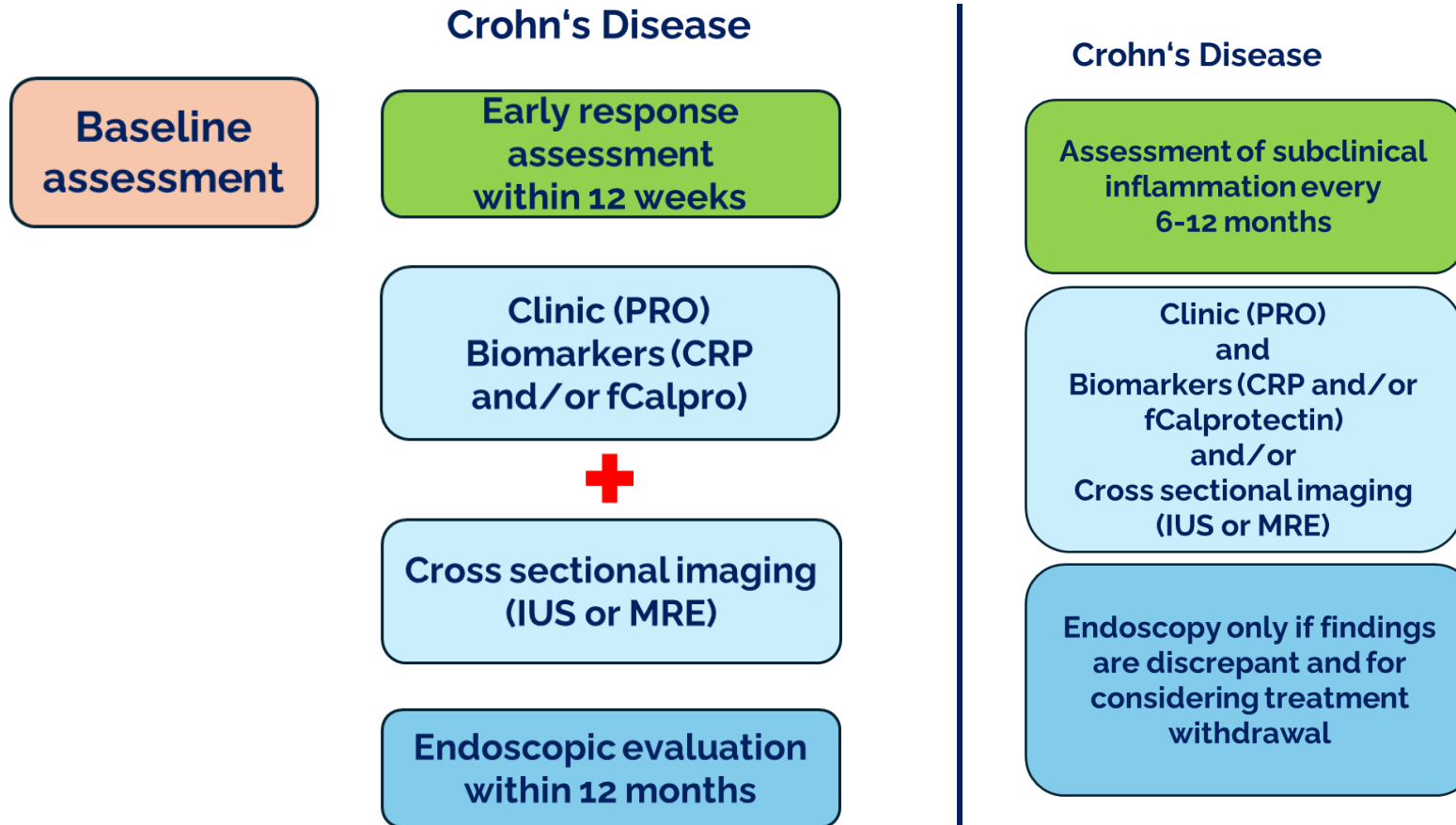


$$\text{IBUS-SAS} = 1.1 (\text{BWT}) \times 4 + 0 (\text{i-fat}) \times 15 + 0 (\text{CDS}) \times 7 + 0 (\text{BWS}) \times 4$$

$$\text{IBUS-SAS} = 4.4 < 25$$

6 weeks after IFX rescue therapy

How to implement IUS in CD disease monitoring



Conclusion

- **Ultrasound activity** scores play a **crucial role** in **standardised IBD monitoring**, also beyond clinical trials.
- **Bowel wall thickness** and **color Doppler signal** are **key parameters** that respond early to treatment and correlate with endoscopic outcomes in both **CD** and **UC**.
- **Early changes** in BWT are **predictive** for **long-term outcomes**.
- **Milan Ultrasound Criteria (MUC)** and **IBUS-SAS** provide a **validated scoring** system with prognostic value.
- Assess your patients in a **standardised manner**, and **report** (including images).