

One point lesson, lower GI part

SMC consensus of UC scoring

F2 백남영/Pf 김은란

SMC colonoscopy report form: UC

Activity (Mayo Score) **Mayo endoscopic score (MES)**

☒ 0. Normal or inactive disease

☐ 1. Mild disease (erythema, decreased vascular pattern, mild friability)

☐ 2. Moderate disease (marked erythema, absent vascular pattern, friability, erosions)

☐ 3. Severe disease (spontaneous bleeding, ulceration)

Default Clear 입력 닫기

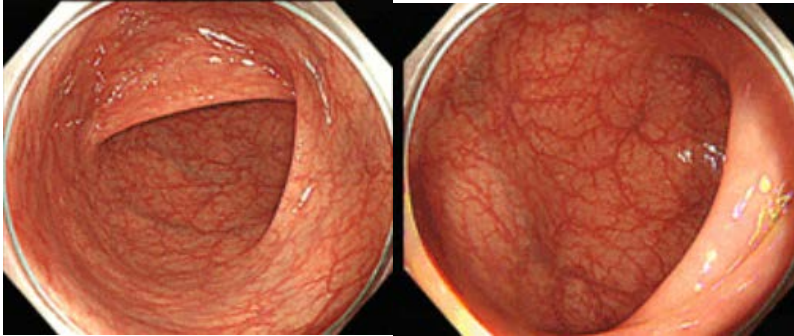
Finding : UCEIS (Ulcerative Colitis Endoscopic Index of Severity) **SUM : 7** **UCEIS**

Descriptor	Point	Definition
Vascular pattern	☐ 1. normal	Normal vascular pattern with arborisation of capillaries clearly defined
	☐ 2. patchy obliteration	Patchy loss or blurring of vascular pattern
	☒ 3. obliteration	Complete loss of vascular pattern
Bleeding	☐ 1. none	No visible blood
	☒ 2. mucosal	Some spots or streaks of coagulated blood on the surface of the mucosa ahead of the scope, which can be washed away
	☐ 3. luminal mild	Some free liquid blood in the lumen
	☐ 4. luminal moderate	Frank blood in the lumen ahead of endoscope or visible oozing from mucosa after washing intraluminal blood, or visible oozing from a haemorrhagic mucosa
Erosions and ulcers	☐ 1. none	No visible blood
	☒ 2. erosions	Tiny (≤ 5 mm) defects in the mucosa, of a white or yellow colour with a flat edge
	☐ 3. superficial ulcer	Larger (>5 mm) defects in the mucosa, which are discrete fibrin-covered ulcers in comparison with erosions but remain superficial
	☐ 4. deep ulcer	Deeper excavated defects in the mucosa, with a slightly raised edge

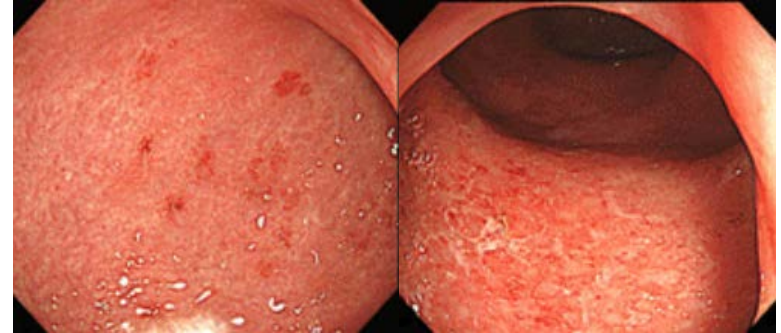
Default Clear 입력 닫기

Mayo endoscopic score (MES)

0 : normal or inactive disease

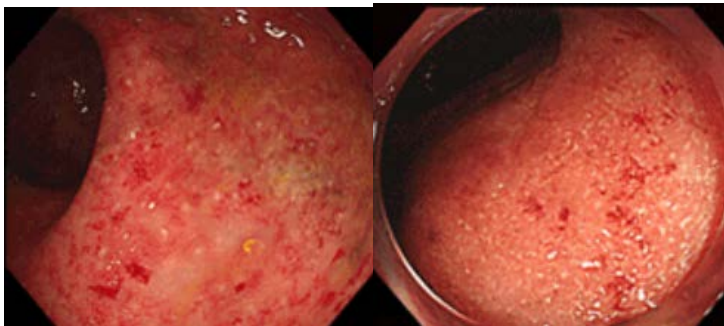


1 : mild disease



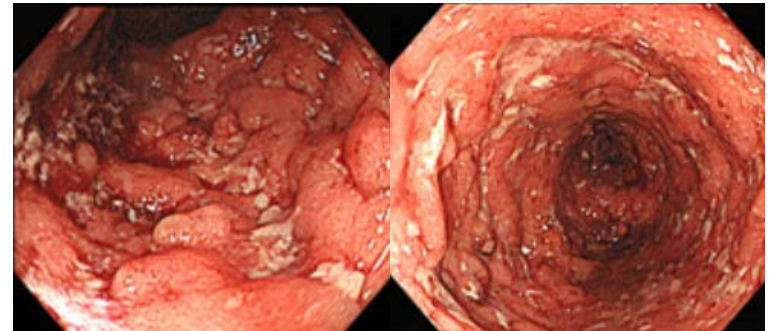
Erythema, decreased vascular pattern, mild friability

2 : moderate disease



Marked erythema, lack of vascular pattern, friability, erosions

3 : severe disease

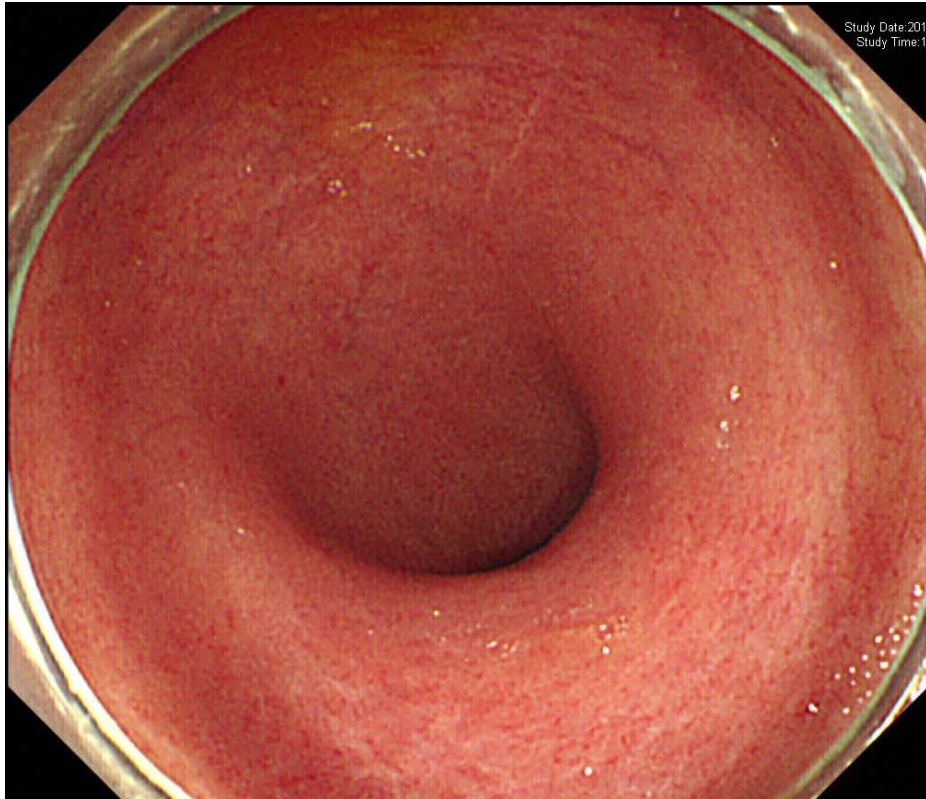


Spontaneous bleeding, large ulcerations

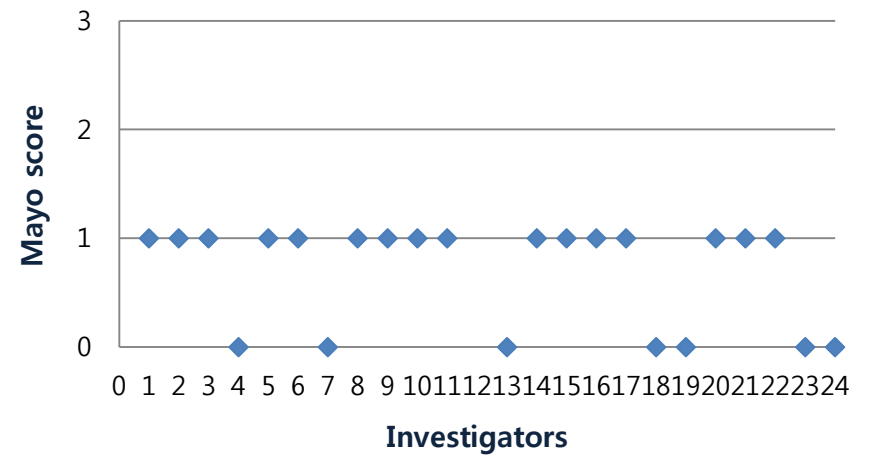
Ulcerative colitis endoscopic index of severity (UCEIS)

Descriptor	point	definition
Vascular pattern	0 normal 1 patchy obliteration 2 obliteration	Normal vascular pattern with arborisation of capillaries clearly defined Patchy loss or blurring of vascular pattern Complete loss of vascular pattern
Bleeding	0 none 1 mucosal 2 luminal mild 3 luminal moderate	No visible blood Some spots or streaks of coagulated blood on the surface of the mucosa ahead of the scope, which can be washed away Some free liquid blood in the lumen Frank blood in the lumen ahead of endoscope or visible oozing from mucosa after washing intraluminal blood, or visible oozing from a hemorrhagic mucosa
Erosions and ulcers	0 none 1 erosions 2 superficial ulcer 3 deep ulcer	Normal mucosa, no visible erosions or ulcers Tiny ($\leq 5\text{mm}$) defects in the mucosa, of a white or yellow color with a flat edge Larger ($>5\text{ mm}$) defects in the mucosa, which are discrete fibrin-covered ulcers in comparison with erosions but remain superficial Deeper excavated defects in the mucosa, with a slightly raised edge

1

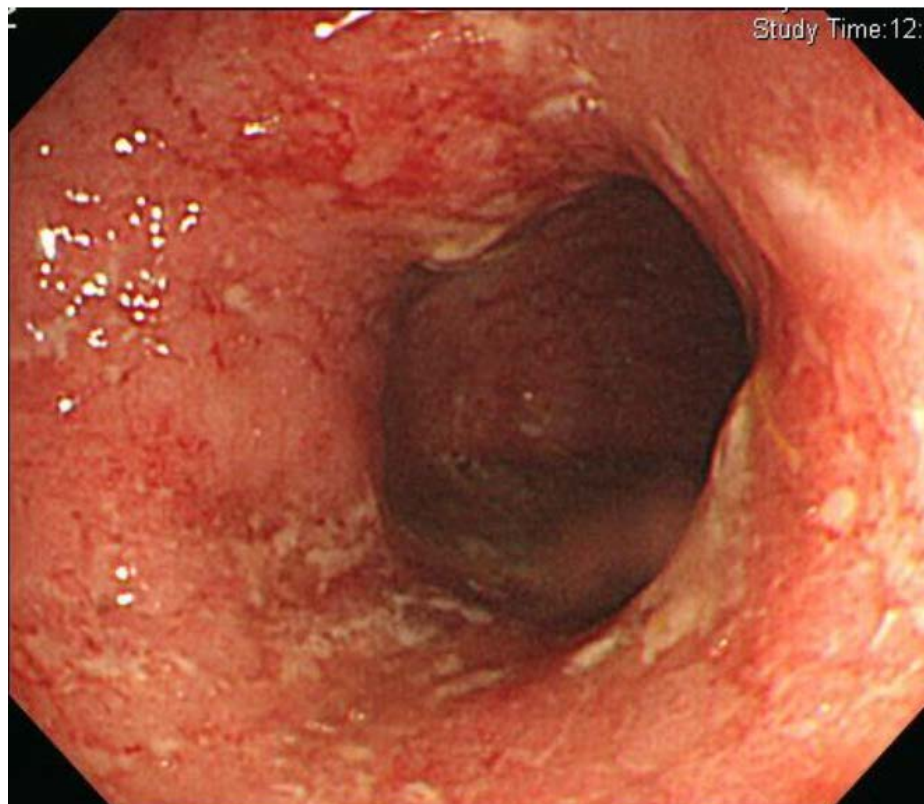


Mayo score	Staff	Fellow	Resident
0	2	2	5
1	2	9	7
2			
3			

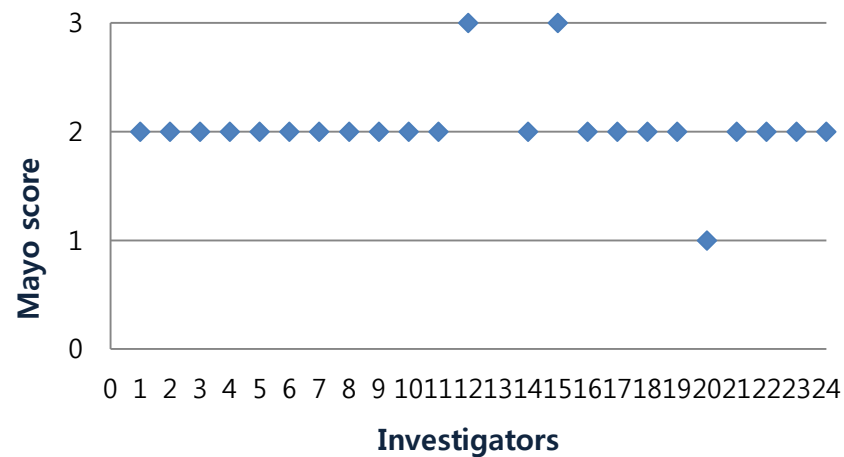


2

UCEIS
Obliterated/Mucosal/Erosion

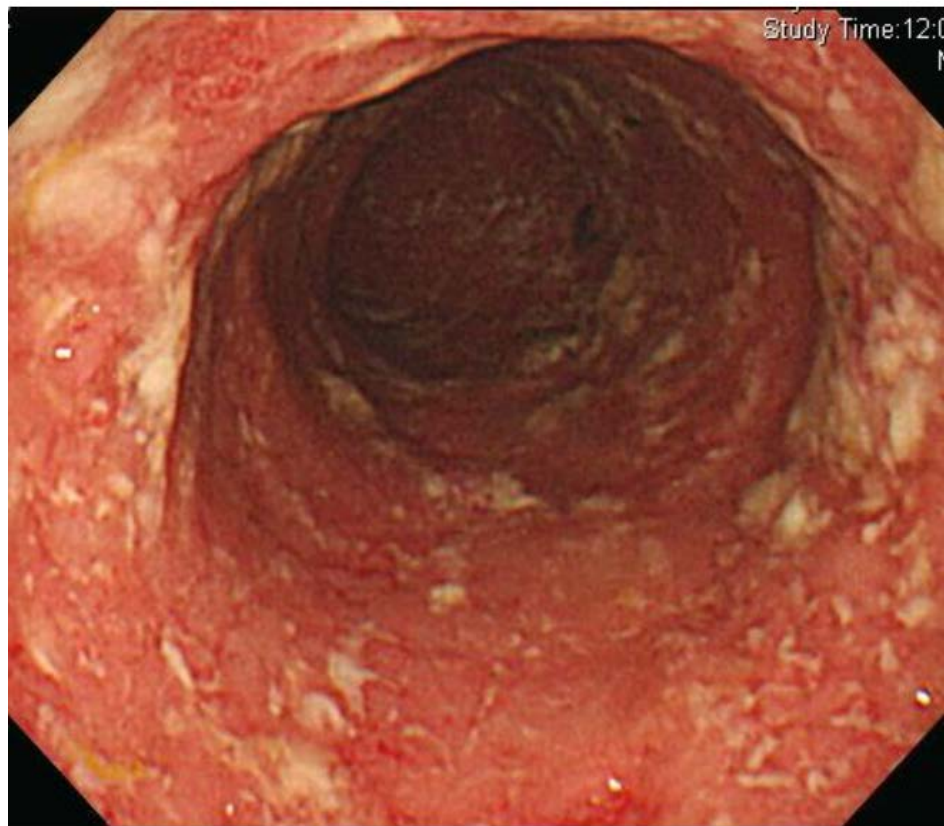


Mayo score	Staff	Fellow	Resident
0			
1			1
2	4	10	10
3		1	1

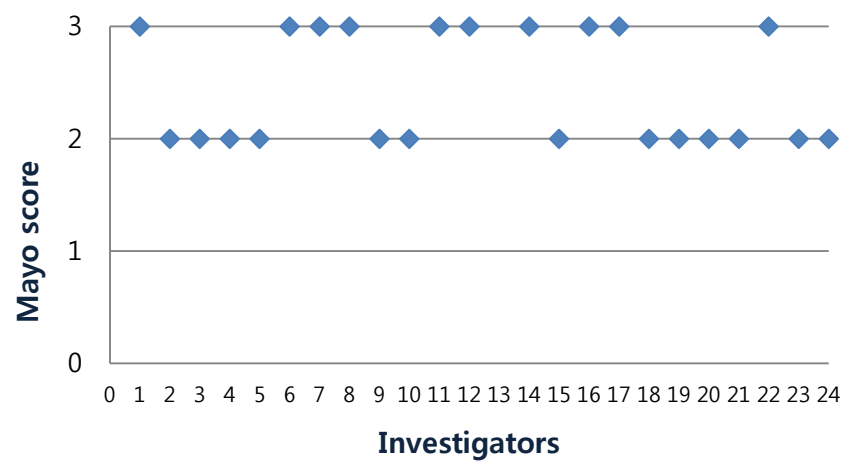


3**

UCEIS
Obliterated/Mucosal/Erosion

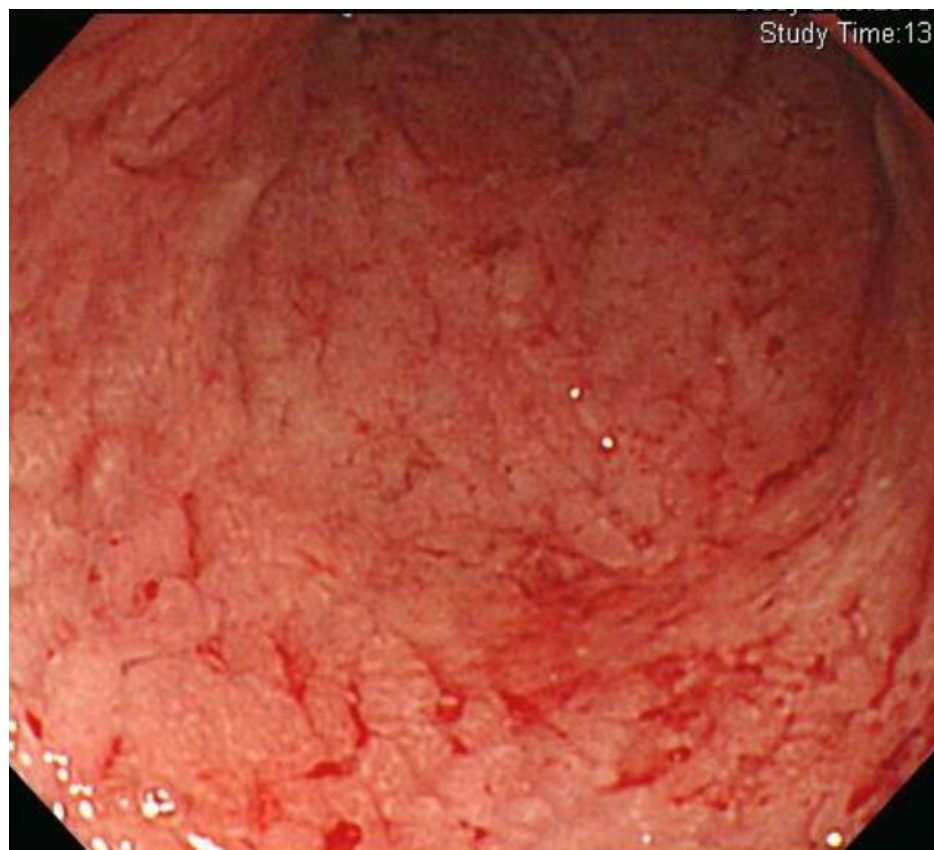


Mayo score	Staff	Fellow	Resident
0			
1			
2	4	6	8
3		5	4

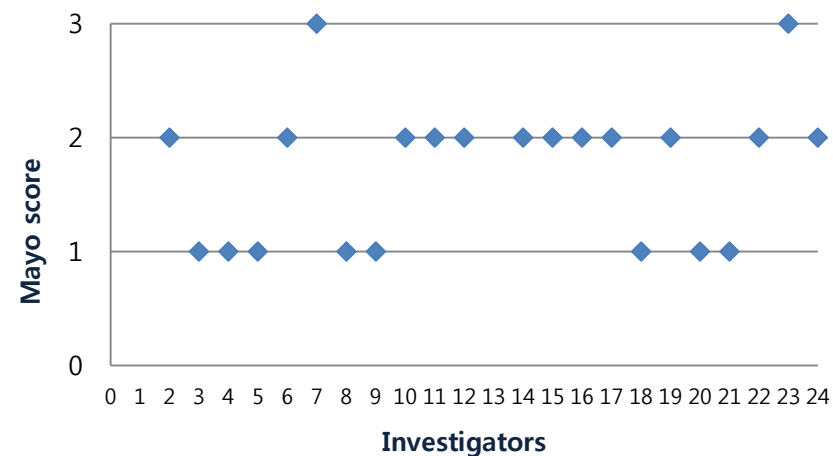


4***

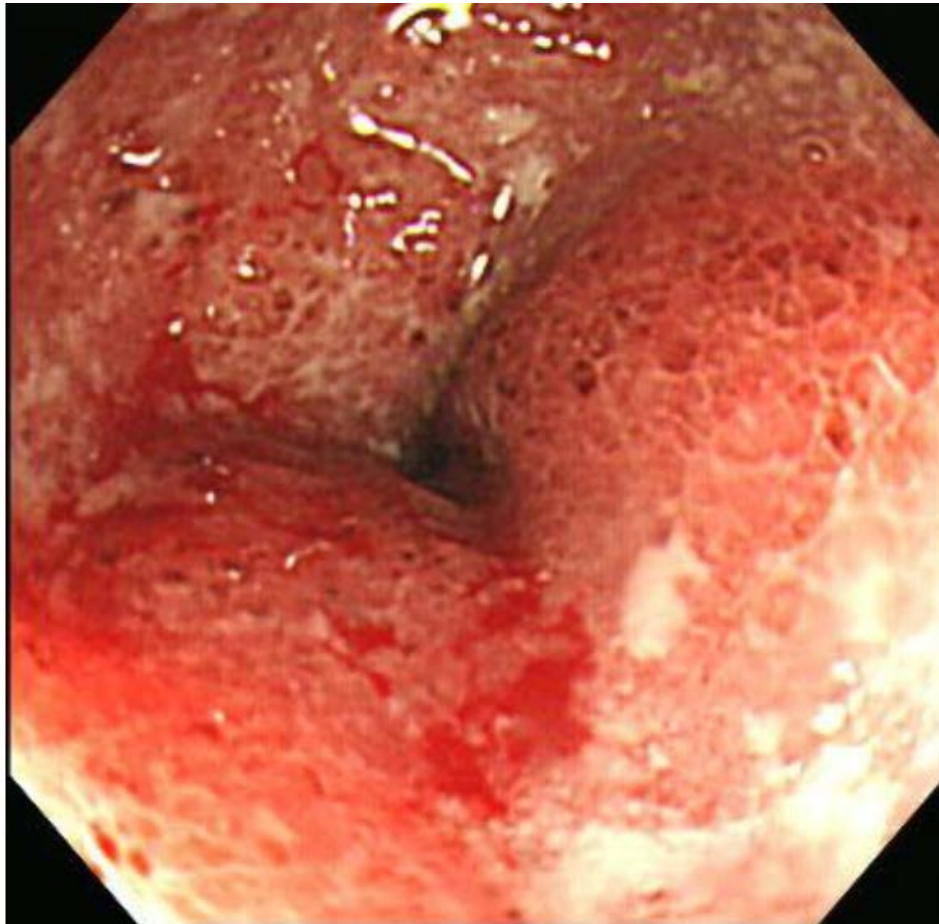
UCEIS
Obliterated/Luminal/Erosion



Mayo score	Staff	Fellow	Resident
0			
1	2	5	3
2	2	5	8
3		1	1

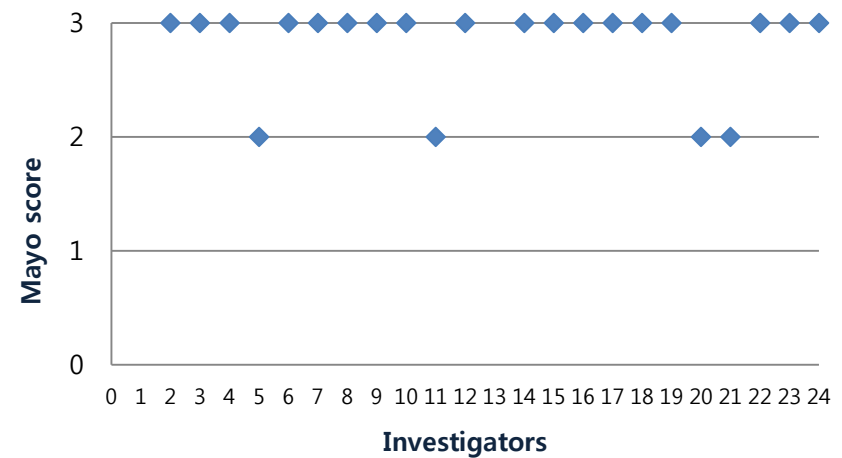


5**



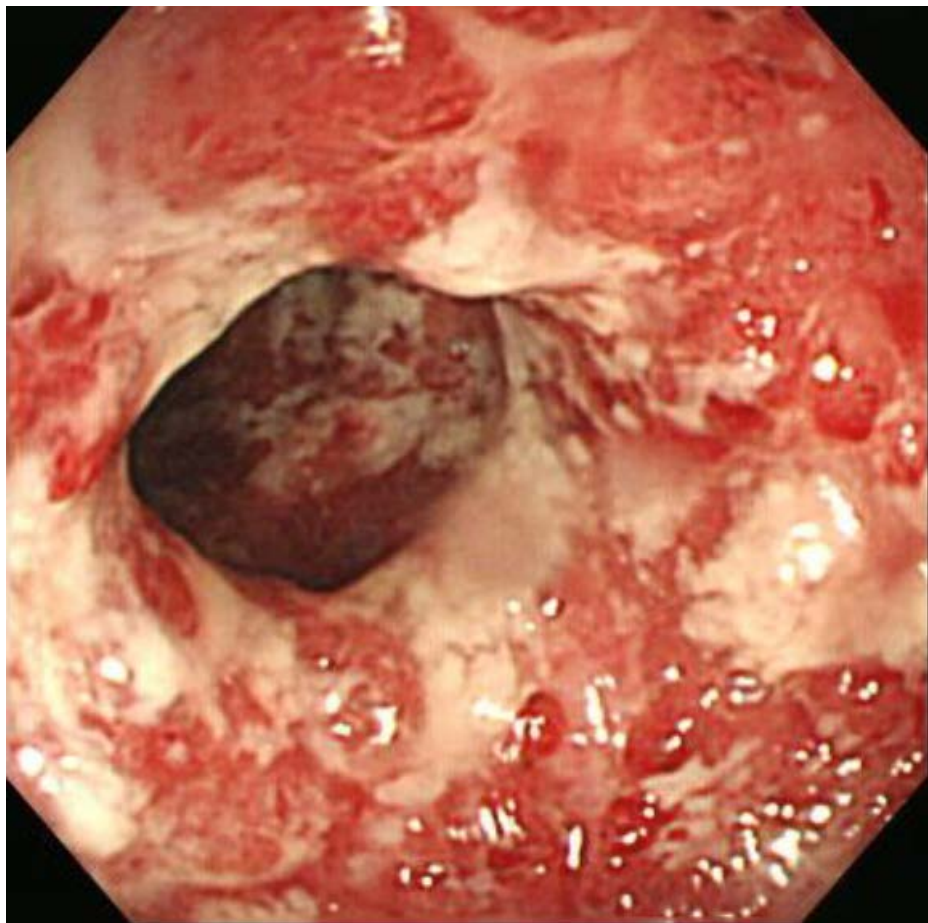
UCEIS
Obliterated/Mucosal/Erosion

Mayo score	Staff	Fellow	Resident
0			
1			
2	3	2	2
3	1	9	10

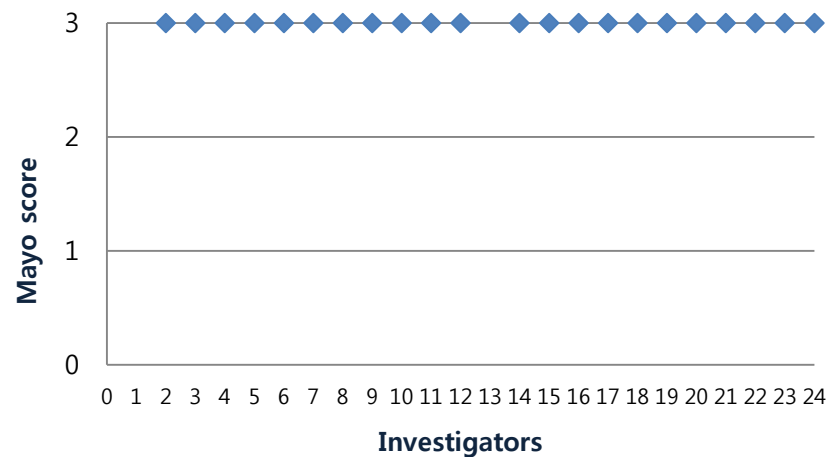


6*

UCEIS
Obliterated/Mucosal/Sup. ulcer



Mayo score	Staff	Fellow	Resident
0			
1			
2			
3	4	12	12

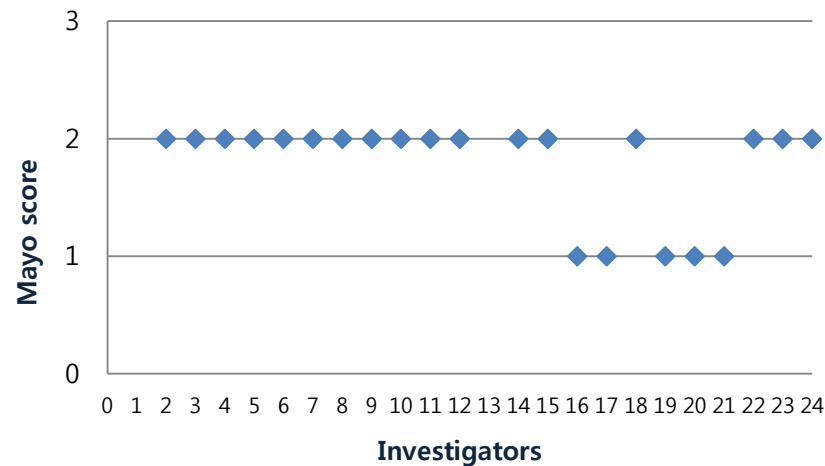


7

UCEIS
Obliterated/Mucosal/Erosion

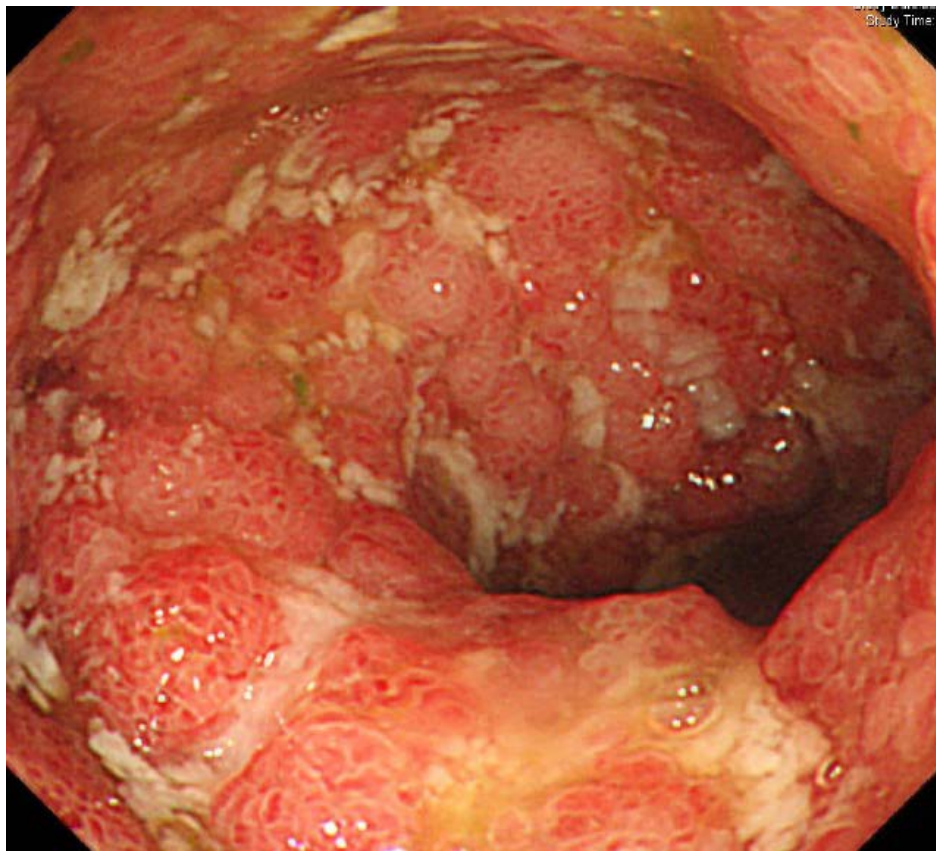


Mayo score	Staff	Fellow	Resident
0			
1			5
2	4	11	7
3			

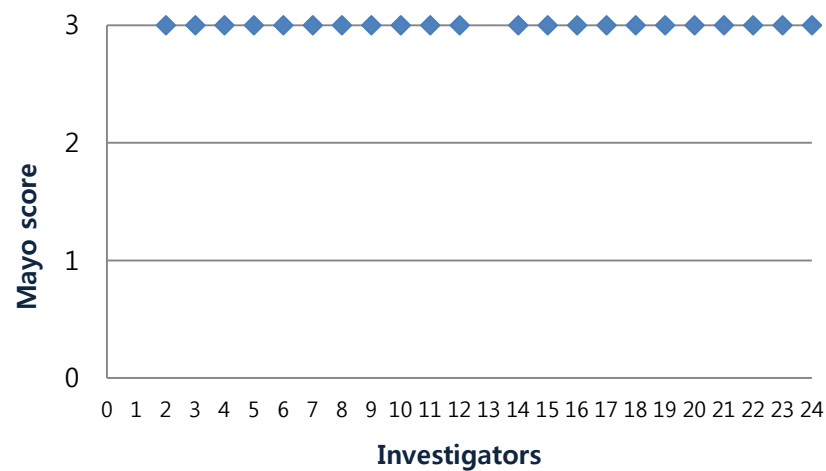


8

UCEIS
Obliterated/Mucosal/Sup. ulcer

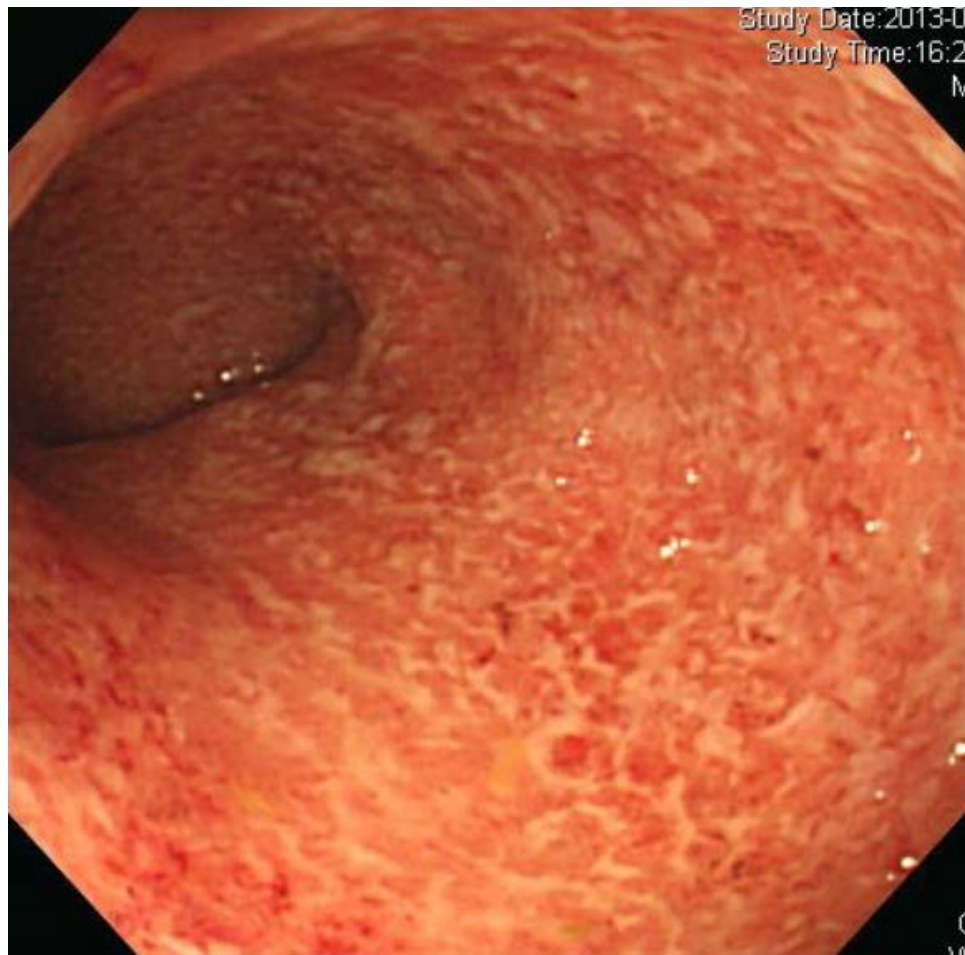


Mayo score	Staff	Fellow	Resident
0			
1			
2			
3	4	11	12

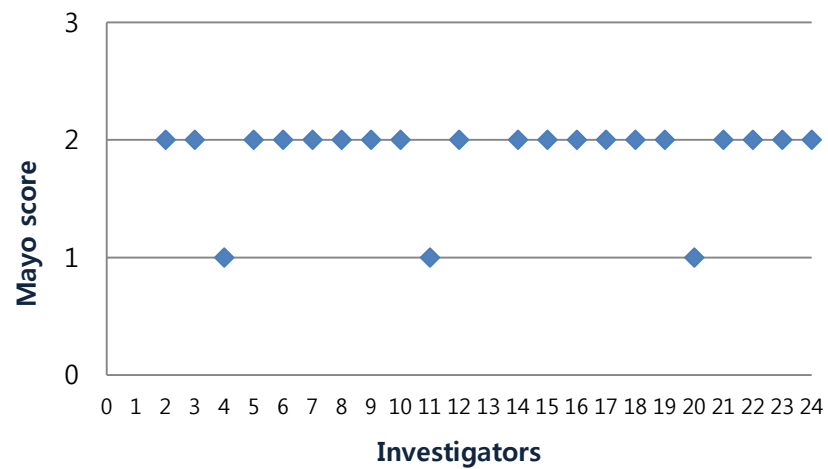


9

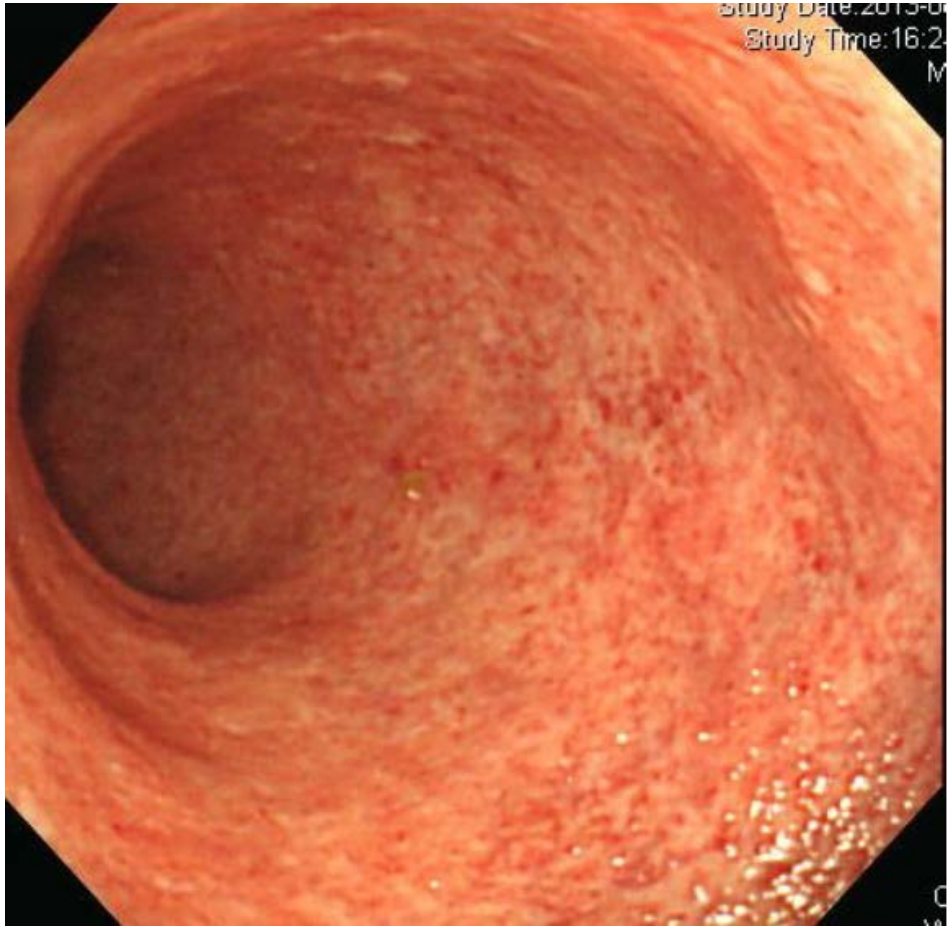
UCEIS
Obliterated/Mucosal/Erosion



Mayo score	Staff	Fellow	Resident
0			
1		2	1
2	4	9	11
3			

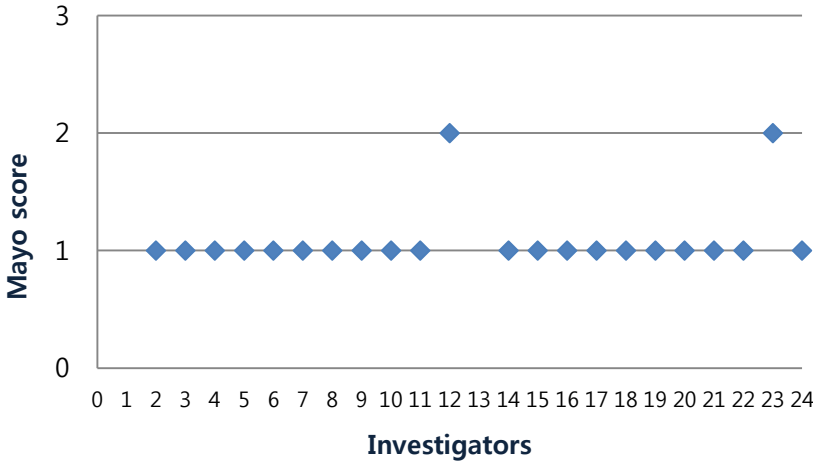


10**

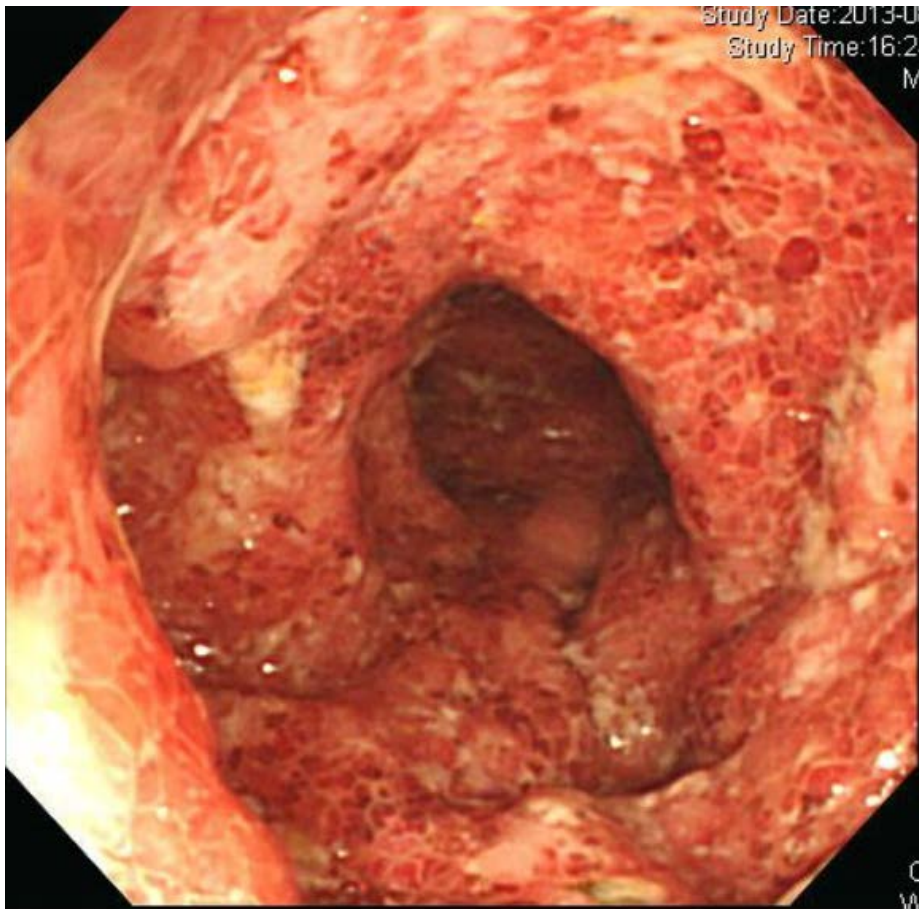


UCEIS
Obliterated/Mucosal/Erosion

Mayo score	Staff	Fellow	Resident
0			
1	2	10	10
2	2	1	2
3			

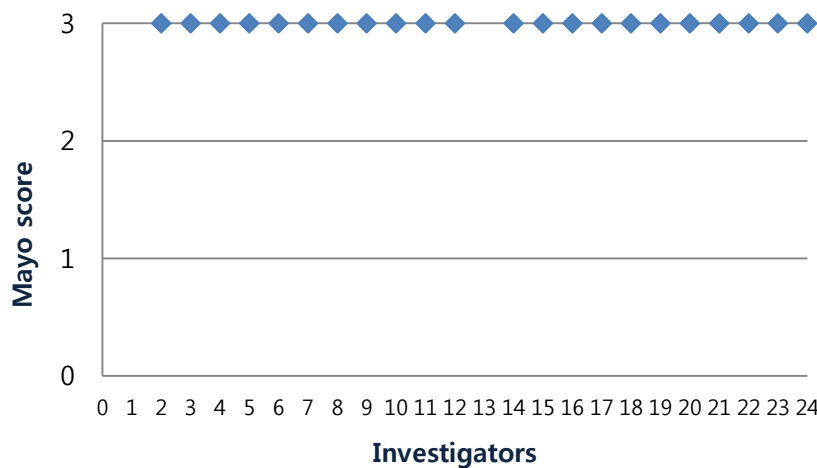


11*



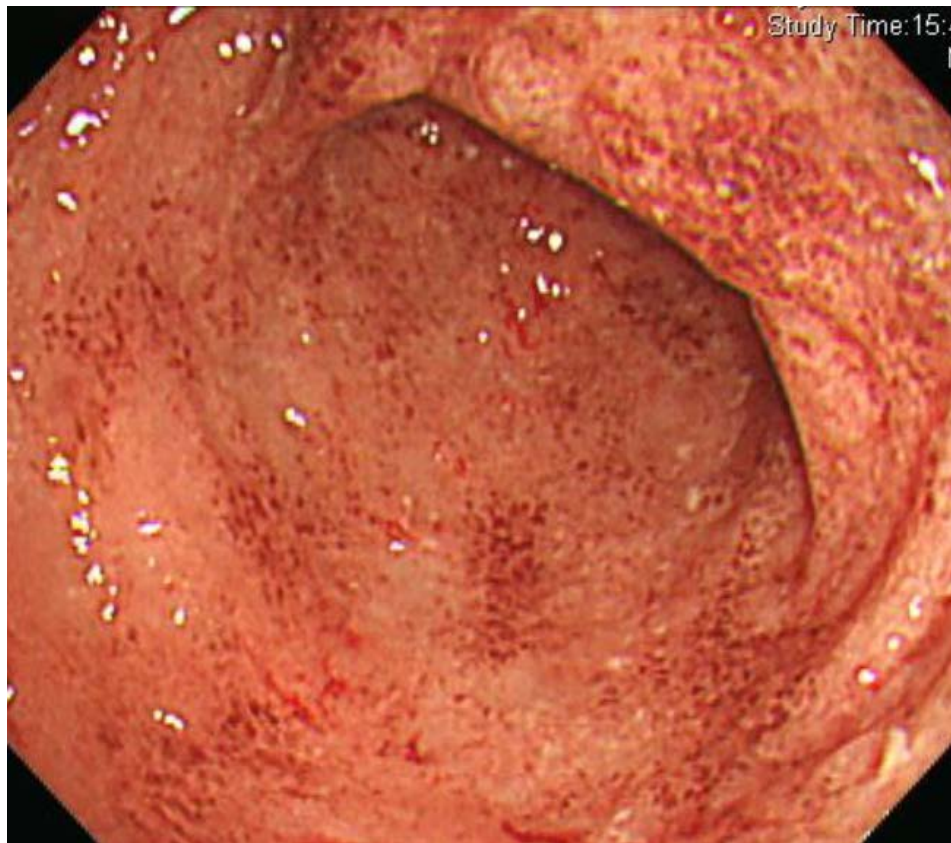
UCEIS
Obliterated/Mucosal/Sup. ulcer

Mayo score	Staff	Fellow	Resident
0			
1			
2			
3	4	11	12

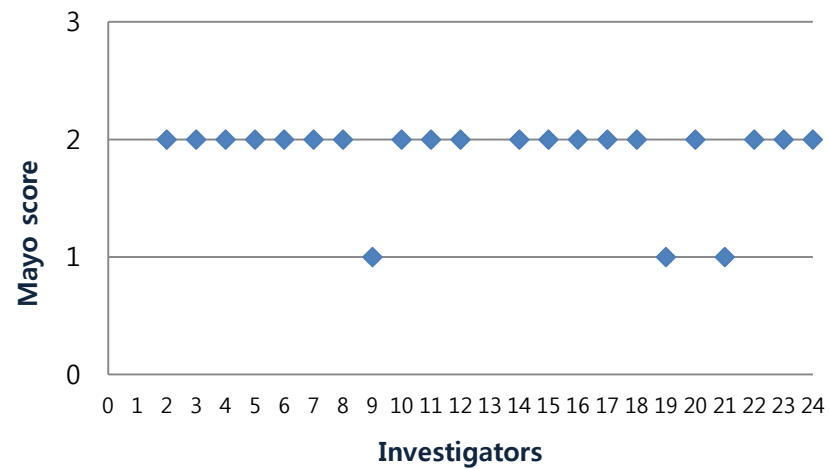


12

UCEIS Obliterated/Mucosal/Erosions

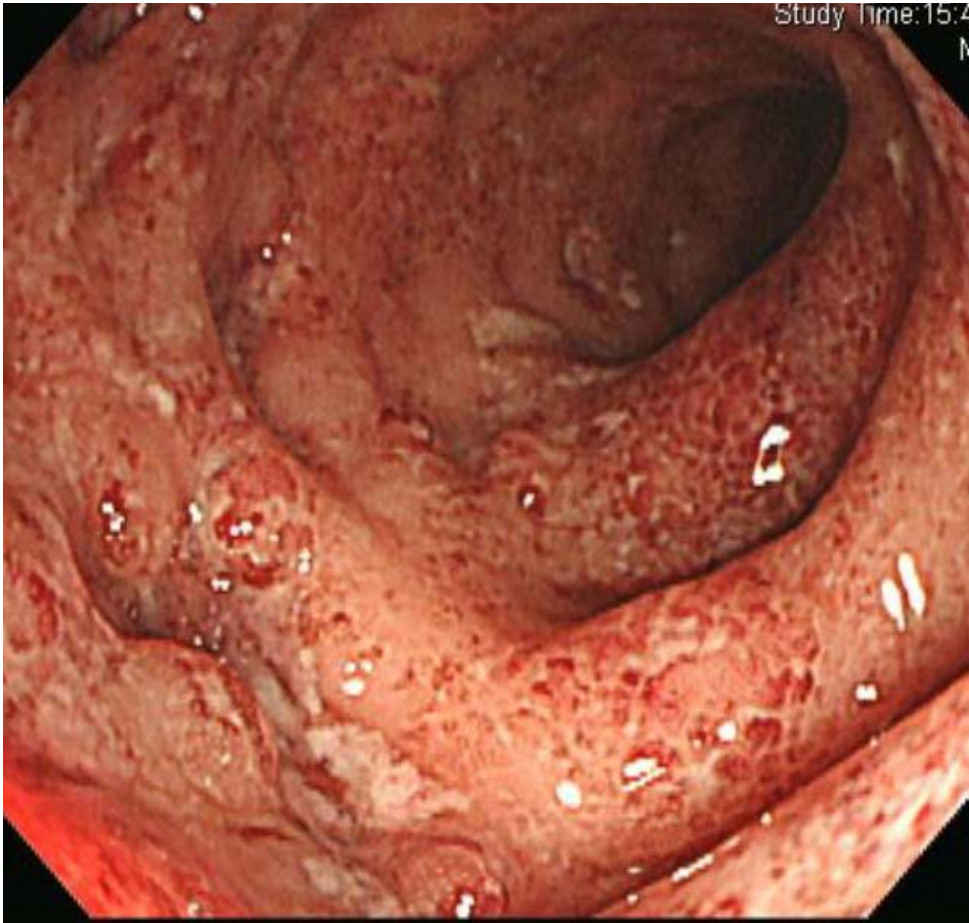


Mayo score	Staff	Fellow	Resident
0			
1		1	2
2	4	10	10
3			

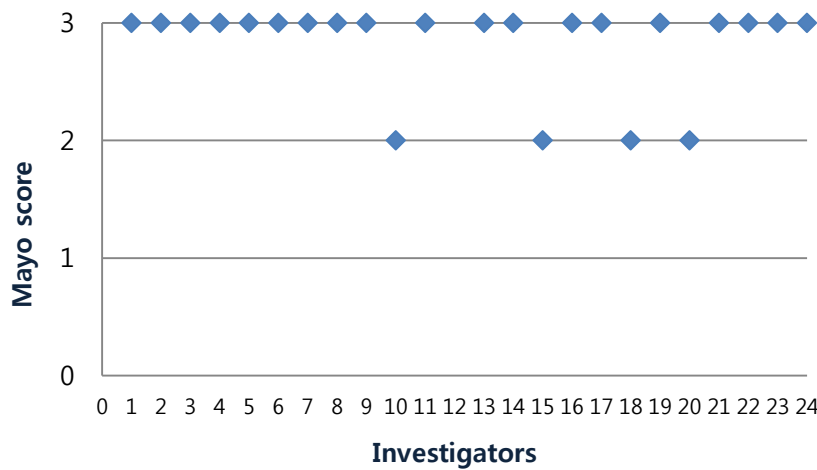


13

UCEIS
Obliterated/Mucosal/Sup. ulcer

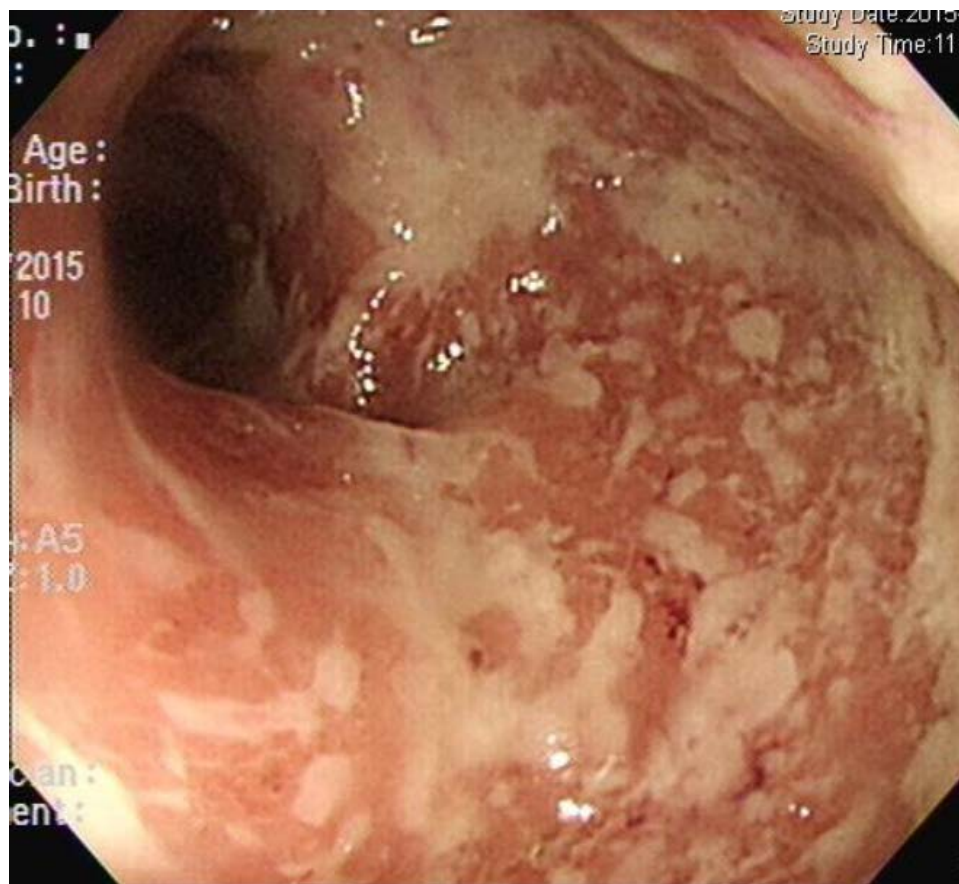


Mayo score	Staff	Fellow	Resident
0			
1			
2	1	1	3
3	3	10	9

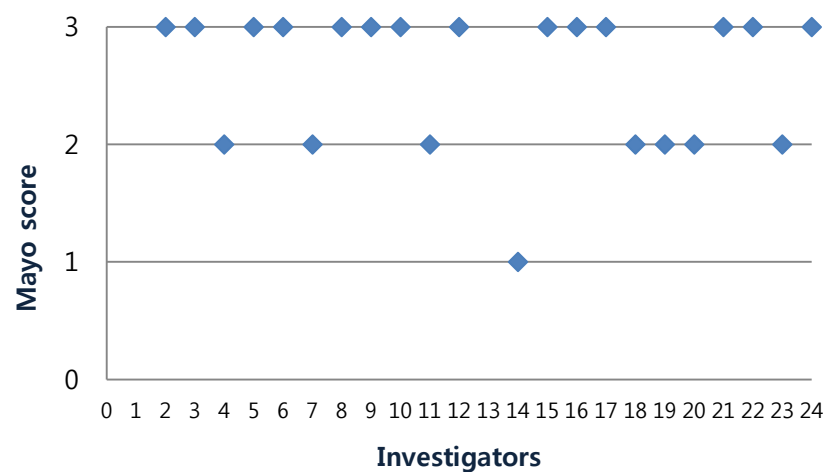


14*

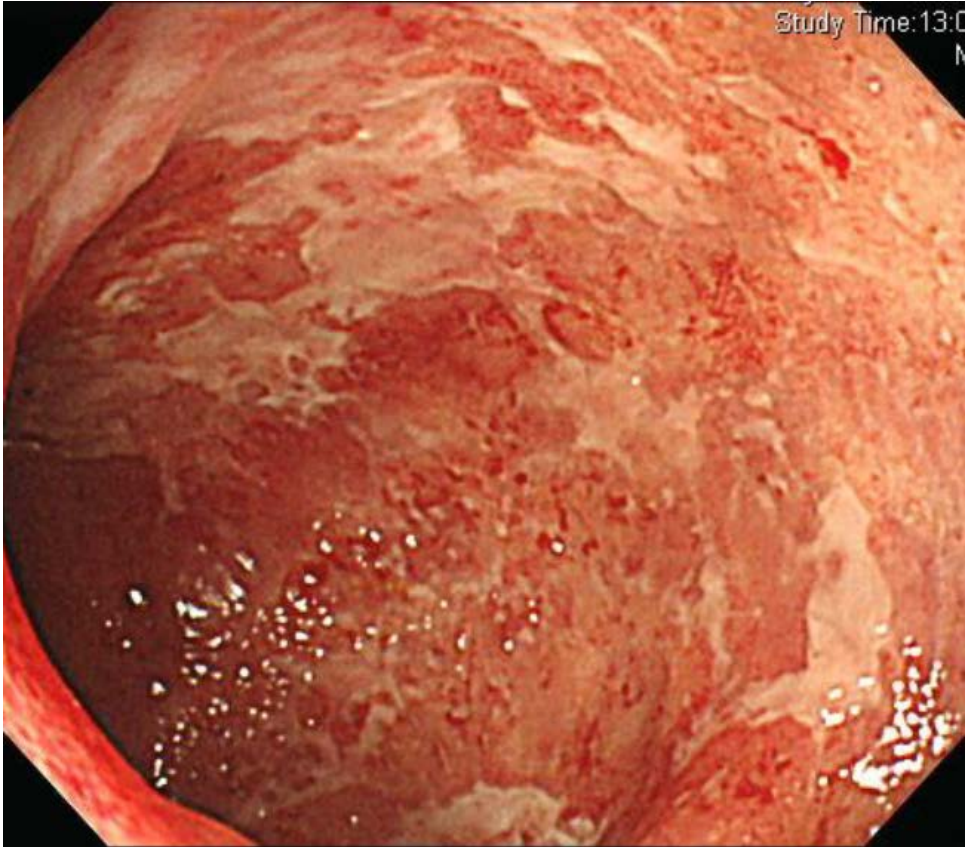
UCEIS
Obliterated/Mucosal/Sup. ulcer



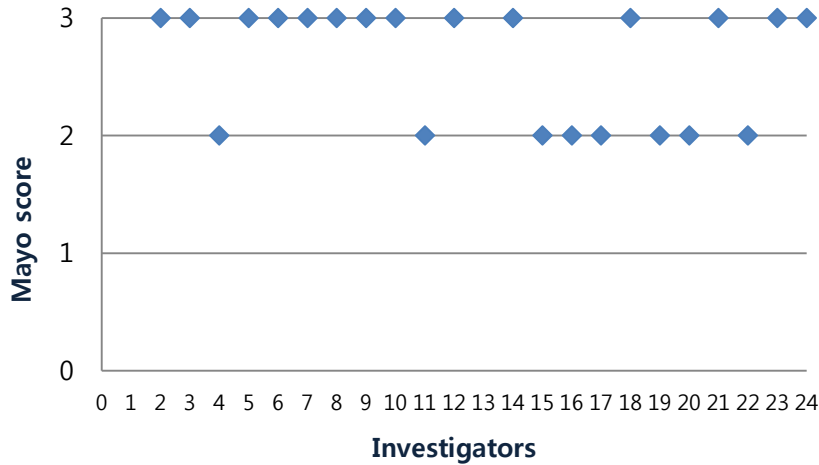
Mayo score	Staff	Fellow	Resident
0			
1			1
2		3	4
3	4	8	7



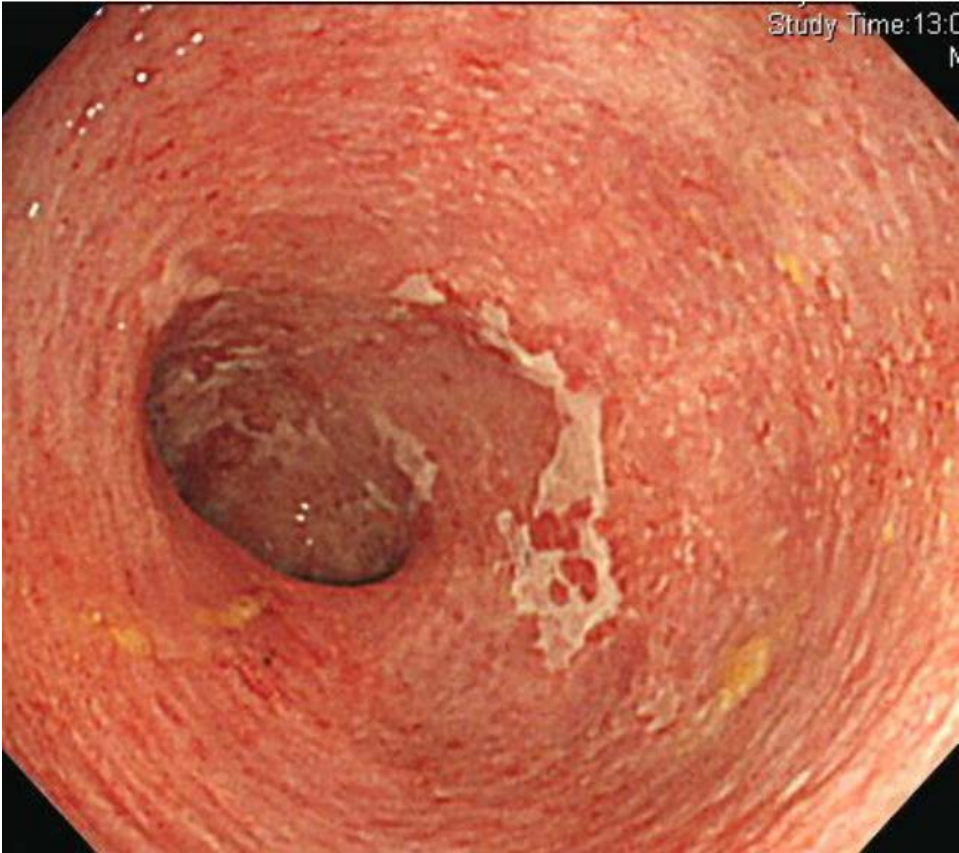
15**



Mayo score	Staff	Fellow	Resident
0			
1			
2		2	6
3	4	9	6



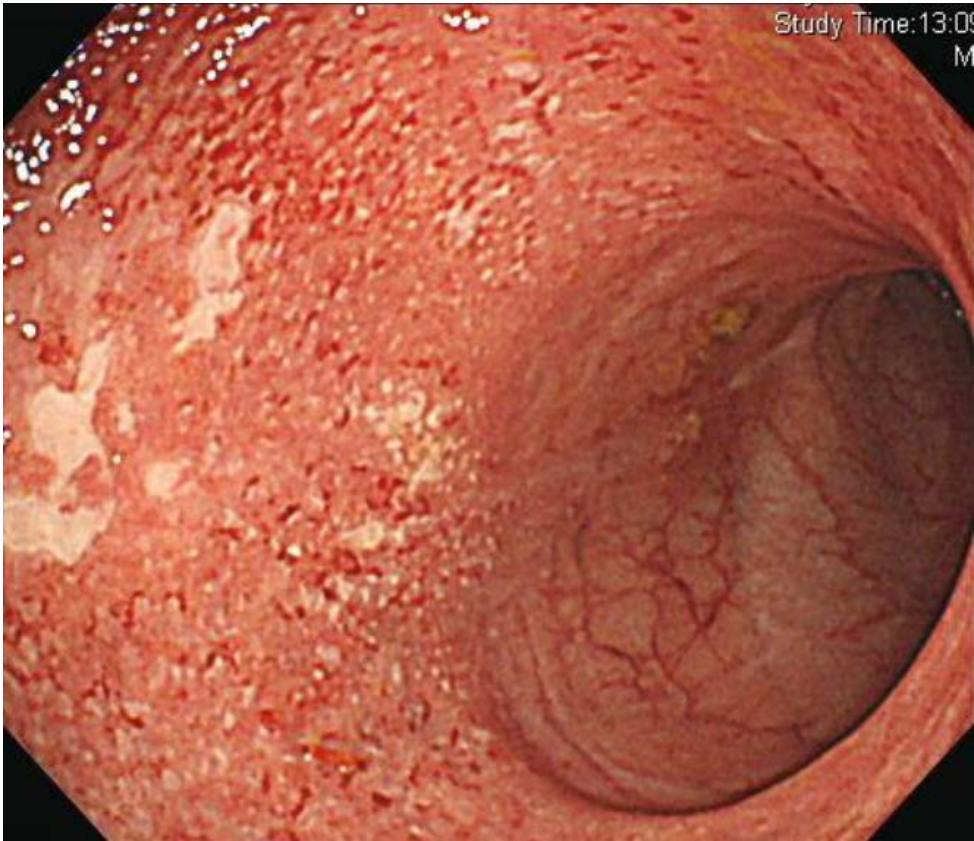
16**



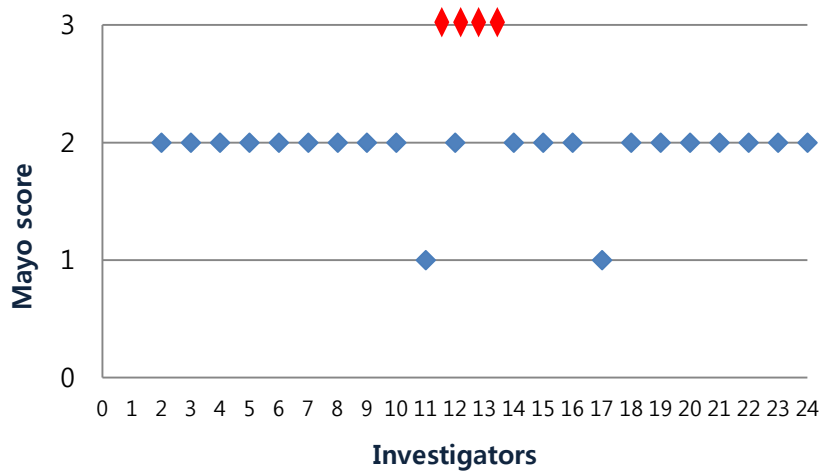
Mayo score	Staff	Fellow	Resident
0			
1		1	1
2	1	10	10
3	3		1



17*** Mayo score



Mayo score	Staff	Fellow	Resident
0			
1		1	1
2		10	11
3	4		

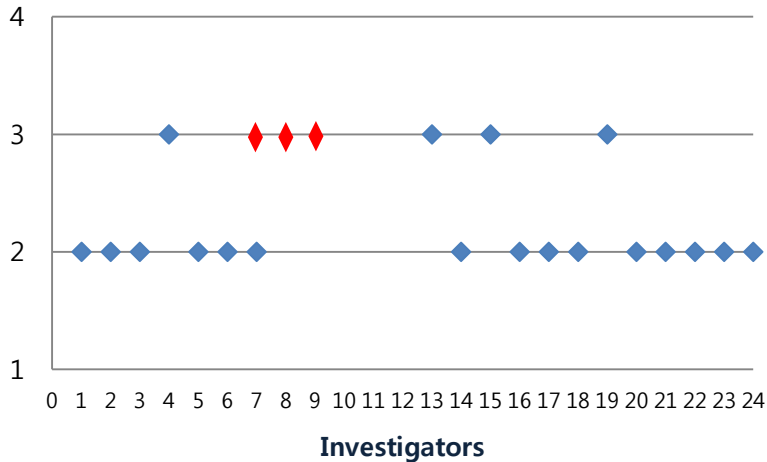


UCEIS
Obliterated/Mucosal/Sup. ulcer

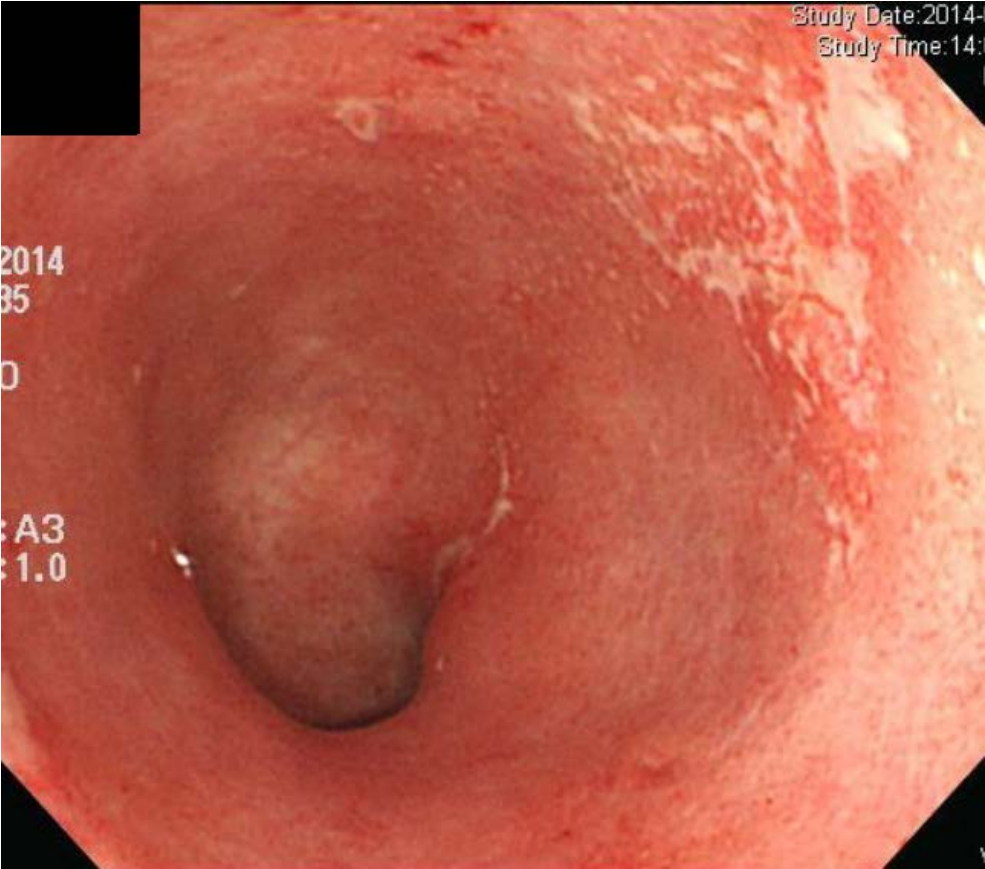
17*** UCEIS ulcer



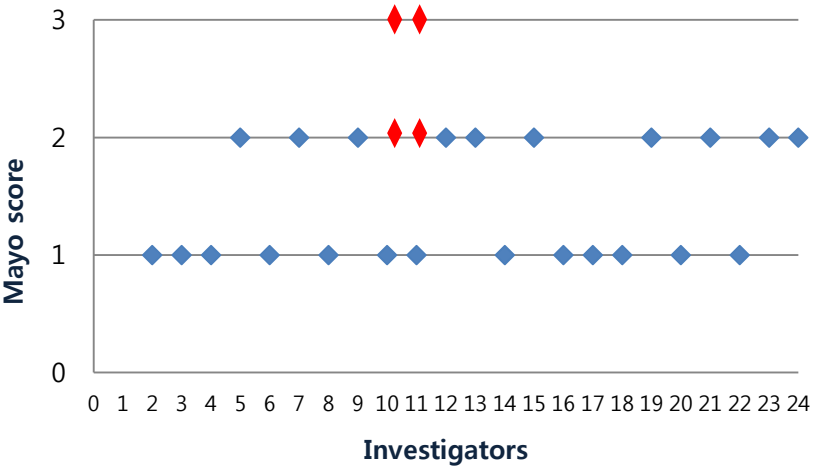
UCEIS ulcer	Staff	Fellow	Resident
1			
2		6	9
3	4	1	3
4			

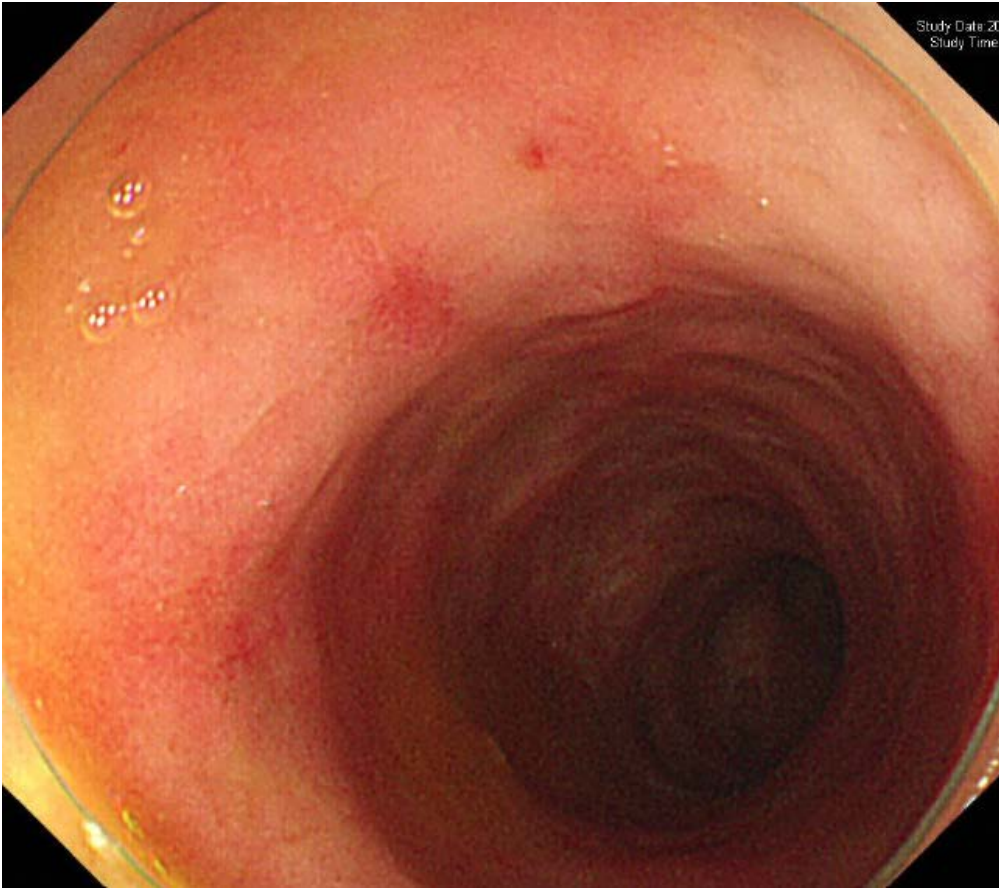


18**

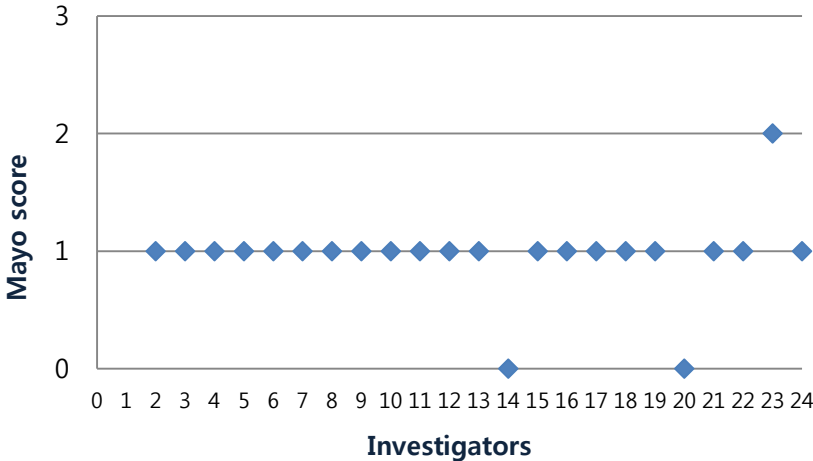


Mayo score	Staff	Fellow	Resident
0			
1		7	6
2	2	5	6
3	2		



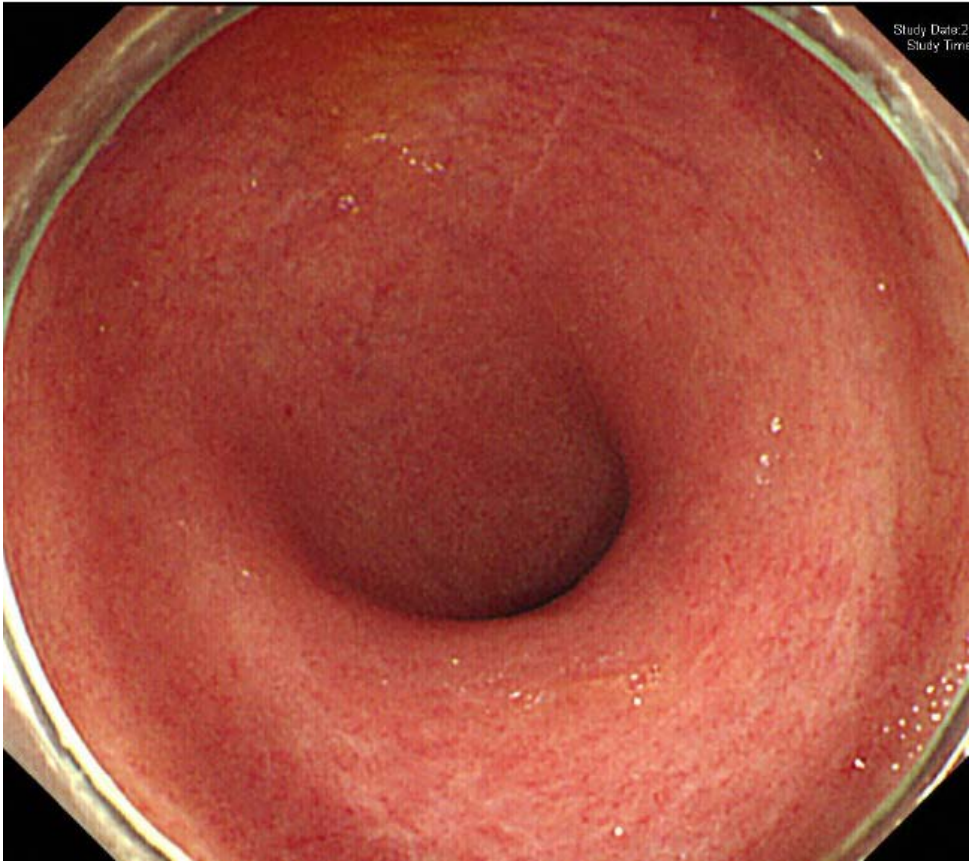


Mayo score	Staff	Fellow	Resident
0			2
1	4	12	8
2			2
3			

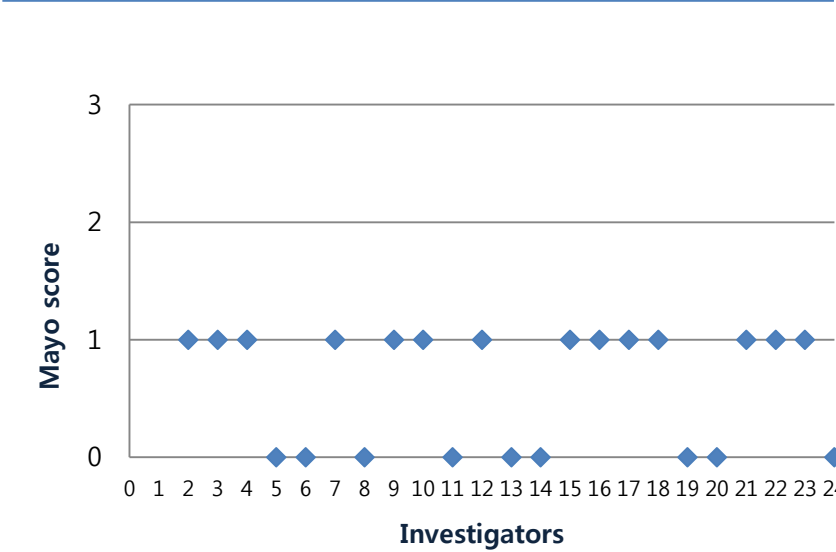


20 (=1)

	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
1	1	1	1	0	1	1	0	1	1	1	1	1
20	1	1	1	0	0	1	0	1	1	0	1	0

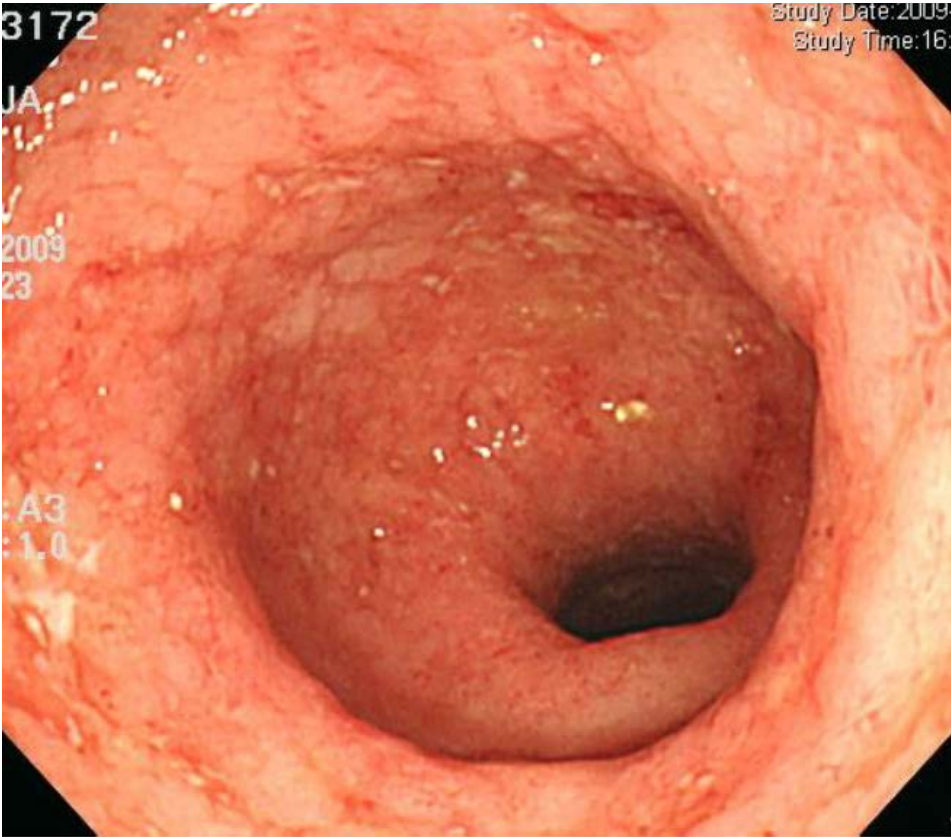


Mayo score	Staff	Fellow	Resident
0	2	5	5
1	2	7	7
2			
3			

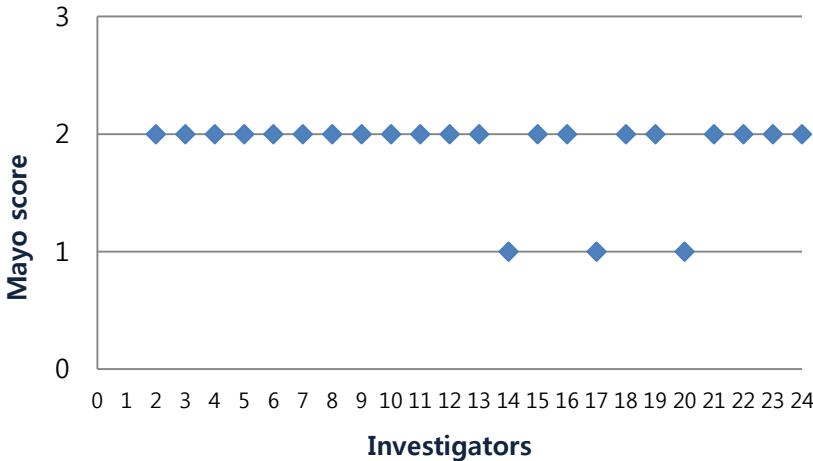


UCEIS
Obliterated/Mucosal/Sup. ulcer

21 (=23)

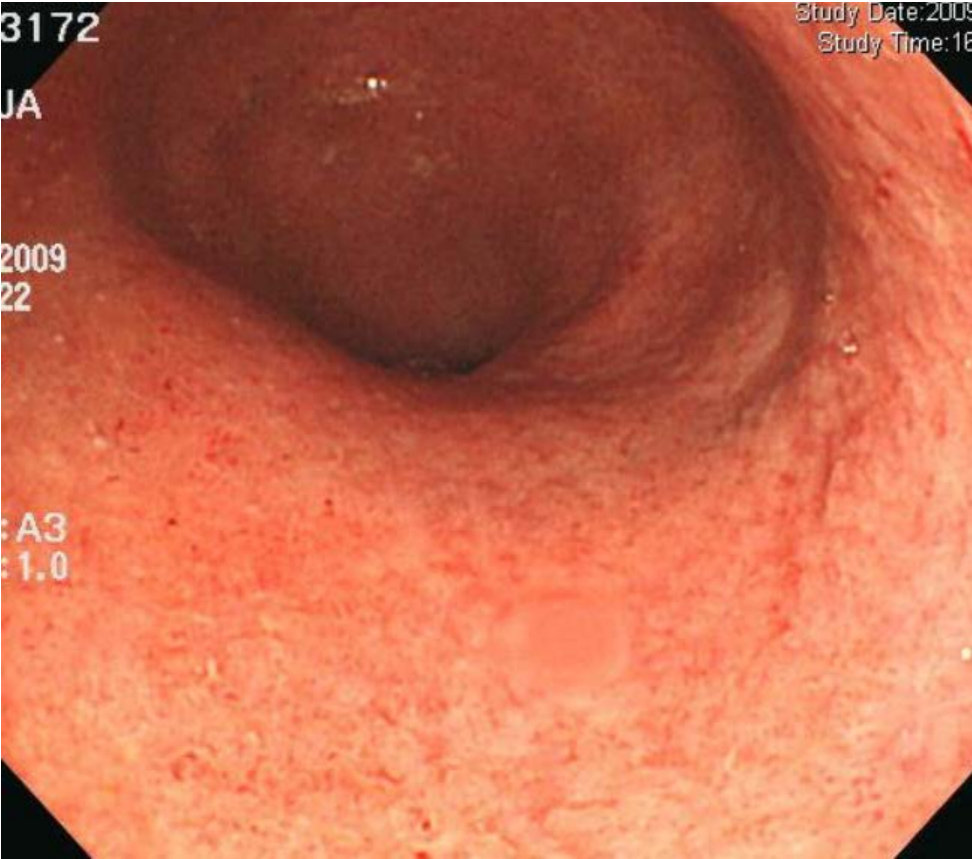


Mayo score	Staff	Fellow	Resident
0			
1			3
2	4	12	9
3			

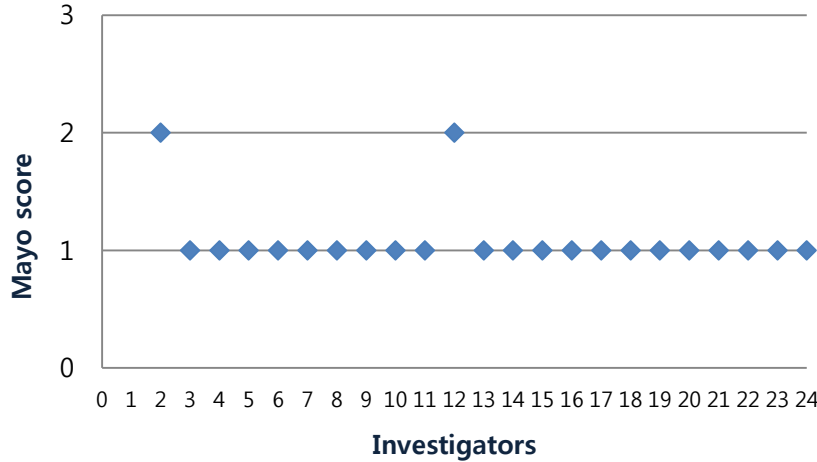


22

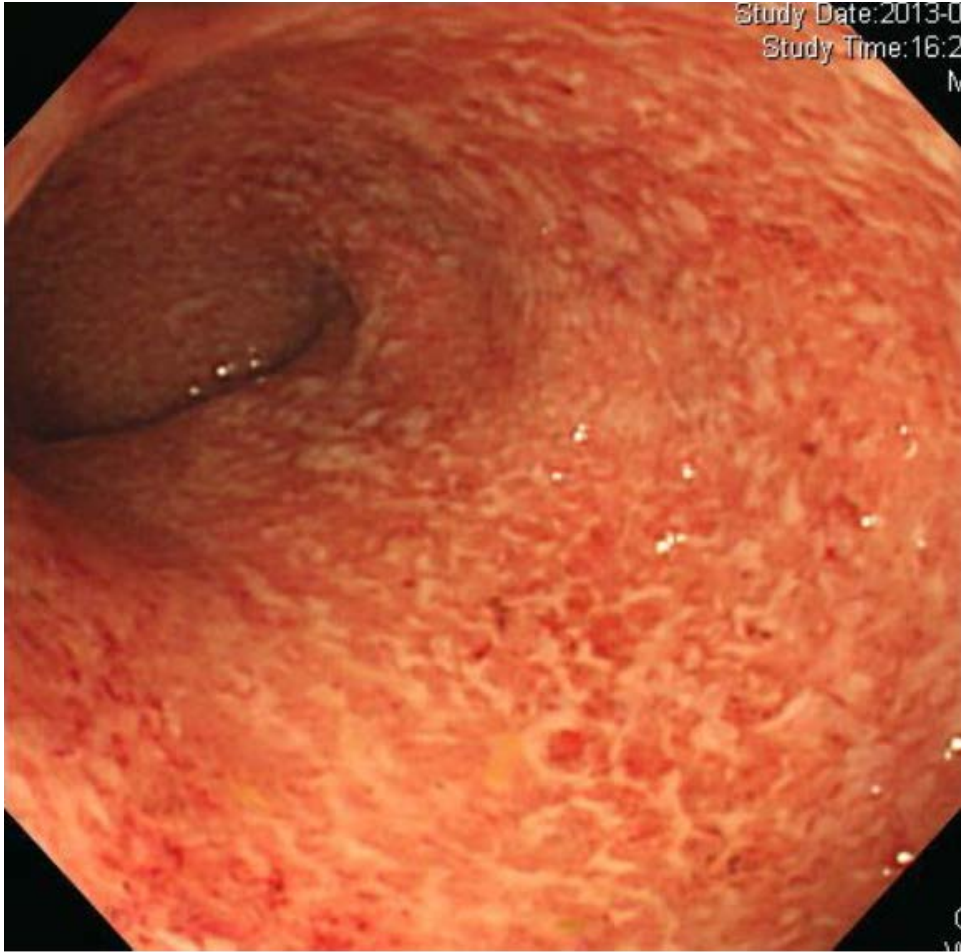
UCEIS
Obliterated/Mucosal/Erosion



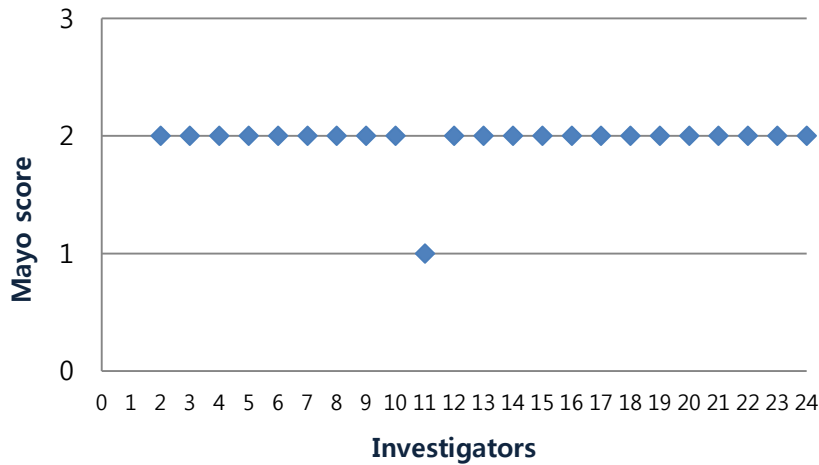
Mayo score	Staff	Fellow	Resident
0			
1	2	10	11
2	2	2	1
3			



24 (=9)

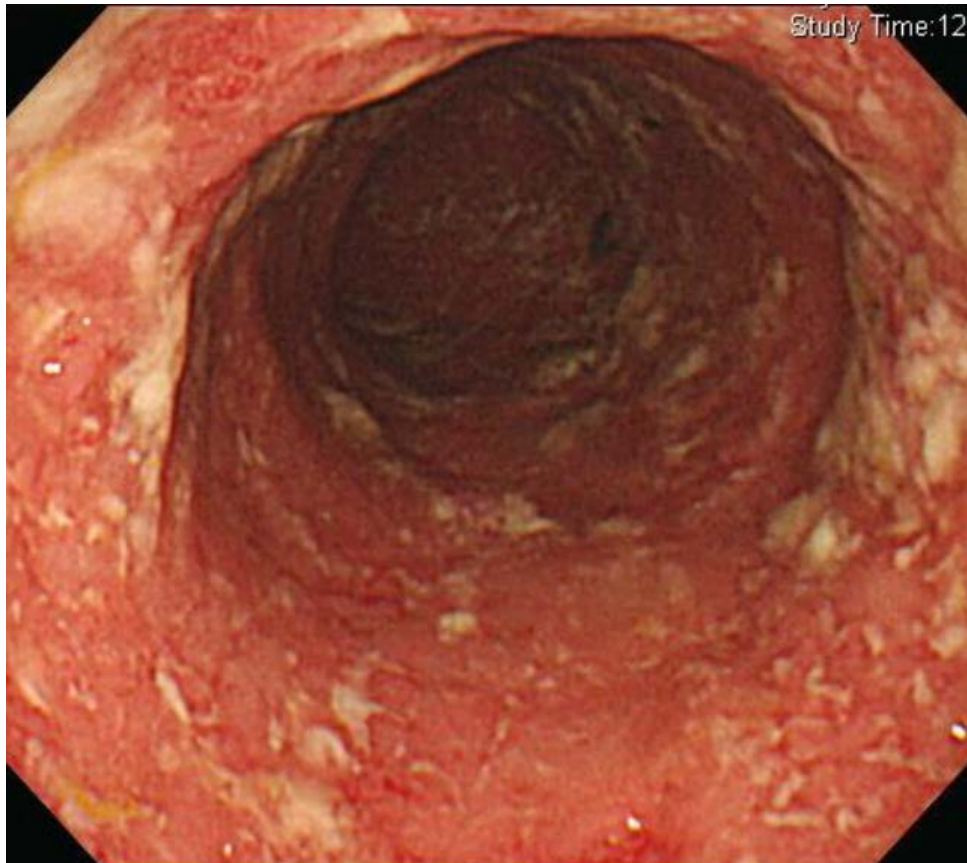


Mayo score	Staff	Fellow	Resident
0			
1		1	0
2	4	11	12
3			

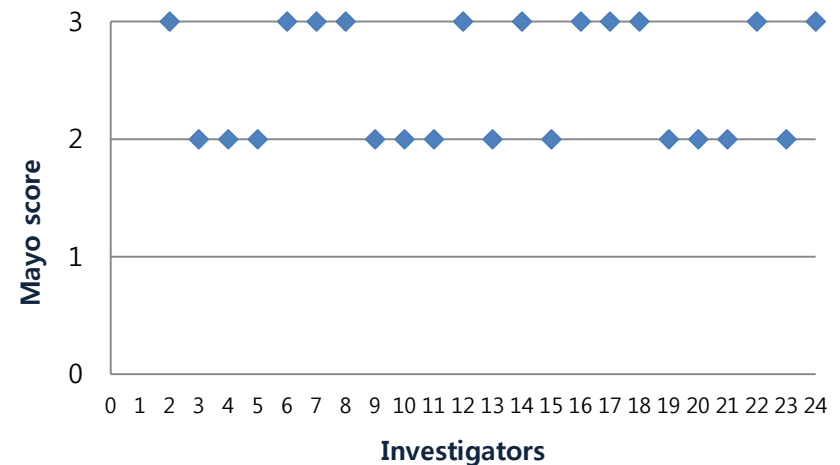


25 (=3)

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
2	2	2	2	3	3	3	2	2	3	3	2	3	2	3	3	2	2	2	2	3	2	2	2
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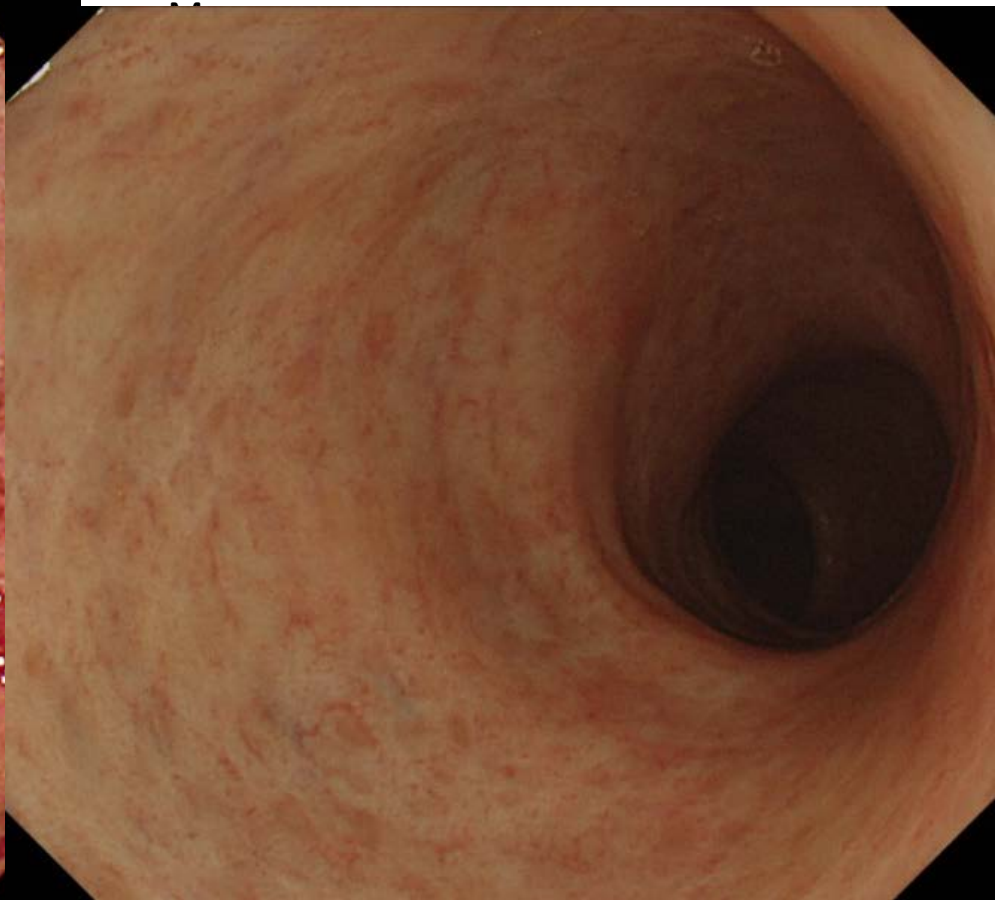
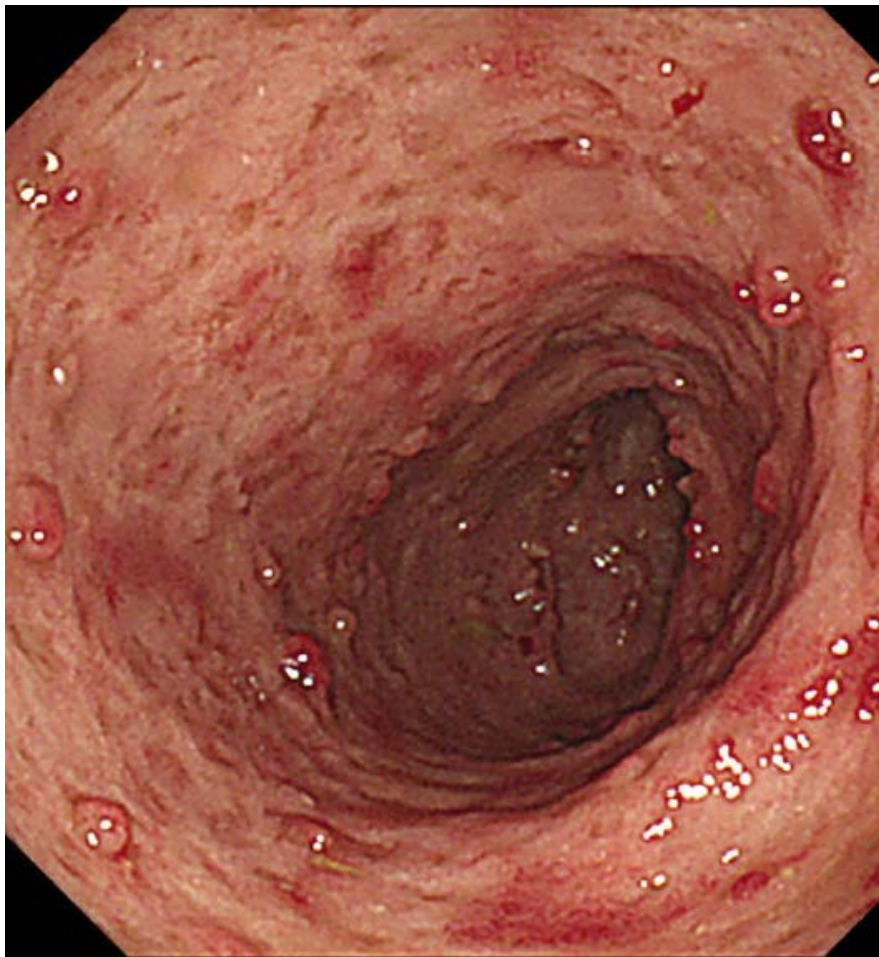


Mayo score	Staff	Fellow	Resident
0			
1			
2	2	7	5
3	2	5	7



26

UCEIS
Obliterated/None/None



Investigators

Conclusion

- 가장 심한 병변을 기준으로 체크한다
- UCEIS 와 Mayo 는 대체로 일치한다
- Erosion, superficial ulcer, deep ulcer 를 잘 감별할 것
→ Ulcer 로 정의하는 순간 Mayo 는 severe 가 된다
→ Erosion 과 ulcer 를 구분하는 기준은 5mm
- Mucosal healing 이 치료의 목표라 한다면, ulcer 가 있는지를 잘 확인하는 것이 중요

Pf. Hong's tip

- Mayo score 의 friability 는 touch bleeding 혹은 공기 주입 후 발생한 bleeding 을 의미합니다.
 - Mayo score 2 는 UCEIS bleeding 의 2와 부합, 3은 3에 부합
- Erosion 과 ulcer 의 구분은 크기로 하며 기준은 5mm
- Mayo score 매길 때 3점 → 0점으로 생각해보기
 - Ulcer 나 spontaneous bleeding 이 있으면 3점
 - Erosion 이나 touch bleeding 이 있으면 2점
 - 뭔가 정상이 아니면 1점
 - 완전히 scar change 라면 0점