

Format for ANSWERING REVIEWERS

May 1, 2017



Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 34174-Review.doc).

Title: Postoperative changes of manometry after restorative proctocolectomy in Korean ulcerative colitis patients

Author: Se Heon Oh, Yong Sik Yoon, Jong Lyul Lee, Chan Wook Kim, In Ja Park, Seok-Byung Lim, Chang Sik Yu, Jin Cheon Kim

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 34174

The manuscript has been improved according to the suggestions of reviewers:

1. Format has been updated
2. Revision has been made according to the suggestions of the reviewer. Complete corrections are provided in the revised text as highlighted characters in red.
 - (1) I respect reviewer's opinion and appreciate it. I corrected the phrases according to reviewer's kind advice. And the revised contents were inserted to the abstract and results section (red characters in the text).
 - (2) It has a wide ranged period because it is a follow up period from 1994 to 2013. When I reviewed the cases with 0 months follow-up, an error was found. I changed the range

of follow-up to 3-192 months.

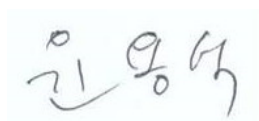
- (3) The push test was not performed, but the endurance test was checked by the measurement of rectal capacity. I attached a copy of scanned our manometry report at the end of this paper.
- (4) For complications: The rectovaginal fistula (RVF) happened in two patients within postoperative one month. Those were not related with *de novo* CD (Table 2). We included pathologic proven UC to the study, and there was no clinical manifestation of CD or indeterminate colitis during our follow-up.
- (5) For bleeding and pouchitis: Bleedings also happened in two patients within postoperative one month. These two bleeding cases were related to surgical procedures, rather than inflammation such as pouchitis and cuffitis. We defined these bleedings as early complication (within 90days after surgery).

3. References were corrected

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,

Yong Sik Yoon, M.D. PhD

A handwritten signature in black ink, appearing to read 'Yong Sik Yoon' in a stylized, cursive script.

AMC ANORECTAL MANOMETRY SHEET

검사번호: 1700000600

CHART NO : 42837477

MANO NO : 17M-0407

NAME : 박종식

SEX : M

AGE : 48

STUDY DATE : 20170404

REF.DEPT: CRS

EXAMINER R.N. : 정은영

윤종식

REVIEWED Dr 박인자

Confirmed by 윤종식

DIAGNOSIS

- | | | | |
|---|--|---|---------------------------------------|
| <input type="checkbox"/> Hemorrhoid | <input type="checkbox"/> PPC | <input type="checkbox"/> UC(preop) | <input type="checkbox"/> LLAR(postop) |
| <input type="checkbox"/> Fissure | <input type="checkbox"/> Proctalgia | <input type="checkbox"/> FAP(preop) | <input type="checkbox"/> IPAA(postop) |
| <input type="checkbox"/> Fistula | <input type="checkbox"/> ISH | <input type="checkbox"/> Rectal Ca(preop) | <input type="checkbox"/> IPRA(postop) |
| <input type="checkbox"/> Constipation | <input type="checkbox"/> Rectal Prolapse | <input type="checkbox"/> SC Ca(preop) | <input type="checkbox"/> IRA(postop) |
| <input type="checkbox"/> Fecal Incontinence | <input type="checkbox"/> Rectocele | <input type="checkbox"/> AR(postop) | <input type="checkbox"/> Other... |
| <input type="checkbox"/> Perineal Descent | <input type="checkbox"/> R/O CMC | <input type="checkbox"/> LAR(postop) | |

MANOMETER PROFILE

Resting					Maximal					Squeezing				
	ANT	RT	POST	LT		ANT	RT	POST	LT		ANT	RT	POST	LT
80cm					80cm					80cm				
60cm	43	63	67	45	60cm	62	67	72	48	60cm				
40cm	75	79	78	71	40cm	80	84	85	78	40cm				
30cm	92	93	101	90	30cm	95	98	101	92	30cm	285	227	222	304
20cm	91	90	89	92	20cm	93	98	93	99	20cm	244	244	252	288
10cm	73	78	82	77	10cm	80	84	82	80	10cm	247	249	250	276

RAIR

- ☐ Equivocal
☐ NO
☒ YES
☐ 3~4.1 cm From AV.

High Pressure Zone Length 6.6 cm

Sphincter Length 6.6 cm

Maximal Resting Pressure 87.8 mmHg (avg.)

Maximal Squeezing Pressure 191.7 mmHg (avg.)

Rectal Sensation

Minimal Sensory Volume	10/10 cc	Anal PR.	85.9 mmHg	Rectal Pressure	80.9 mmHg
Maximal Tolerable Volume	160 cc	Anal PR.	88.0 mmHg	Rectal Pressure	188.8 mmHg
Urgent Volume	100 cc				

Rectal Compliance = 2.1 cc/mmHg

Vectogram(ASI) = 0.91

DIAGNOSIS

- | | | | |
|---|--|---|---------------------------------------|
| <input type="checkbox"/> Hemorrhoid | <input type="checkbox"/> PPC | <input type="checkbox"/> UD(preop) | <input type="checkbox"/> LLAR(postop) |
| <input type="checkbox"/> Fissure | <input type="checkbox"/> Proctalgia | <input type="checkbox"/> FAP(preop) | <input type="checkbox"/> IPAA(postop) |
| <input type="checkbox"/> Fistula | <input type="checkbox"/> ISH | <input type="checkbox"/> Rectal Ca(preop) | <input type="checkbox"/> IPRA(postop) |
| <input type="checkbox"/> Constipation | <input type="checkbox"/> Rectal Prolapse | <input type="checkbox"/> SC Ca(preop) | <input type="checkbox"/> IRA(postop) |
| <input type="checkbox"/> Fecal Incontinence | <input type="checkbox"/> Rectocele | <input type="checkbox"/> AR(postop) | <input type="checkbox"/> Other... |
| <input type="checkbox"/> Perineal Descent | <input type="checkbox"/> R/O CMC | <input type="checkbox"/> LAR(postop) | |

MANOMETER PROFILE

Resting					Maximal					Squeezing				
	ANT	RT	POST	LT		ANT	RT	POST	LT		ANT	RT	POST	LT
60m					60m					60m				
50m	43	83	57	45	50m	52	87	72	48	50m				
40m	75	79	78	71	40m	80	84	85	78	40m				
30m	92	93	101	90	30m	95	98	101	92	30m	285	227	222	304
20m	91	90	89	92	20m	93	98	93	99	20m	244	244	252	288
10m	78	78	82	77	10m	80	84	82	80	10m	247	249	250	278

RAIR

- ☐ Equivocal
☐ NO
☒ YES
☐

6.6 ~ 4.1 cm From AV.

With 80 cc

High Pressure Zone Length

6.6 cm

Sphincter Length

6.6 cm

Maximal Resting Pressure

87.8 mmHg (avg.)

Maximal Squeezing Pressure

191.7 mmHg (avg.)

Rectal Sensation

Minimal Sensory Volume	10/10 cc	Anal PR.	85.9 mmHg	Rectal Pressure	80.9 mmHg
Maximal Tolerable Volume	180 cc	Anal PR.	88.0 mmHg	Rectal Pressure	188.8 mmHg
Urgent Volume	100 cc				

Rectal Compliance = 2.1 cc/mmHg

Vectogram(ASI) = 0.91

Normal Value

MRP(mmHg)	40-70
MSP(mmHg)	100-180
HPZ Length(Cm)	male 2.5-8.5
	female 2.0-8.0
Minimal Sensory Volume(cc)	10-80
Maximal Tolerable Volume(cc)	100-800
Compliance(cc/mmHg)	2-8

Reviewer's Conclusion

특이소견 없음