

Supplementary

Table S1 Detail information of each patients

No.	Sex	Age	Clinicopathologic characteristics					Endoscopic characteristics		
			Tumor size of emerging lesion (mm)	Emerging time (months)	Distance from the lesion to the anal margin (cm)	History of chemotherapy	History of radiotherapy	Pit pattern	JNET Classification	Macroscopic type
1	M	46	20	36	5	N	N	IV	2A	Protruded
2	M	59	31	72	5	N	N	IV	2A	Protruded
3	M	74	7	173	6	Y	Y	IIIL	2A	LST-NG (F)
4	M	63	25	147	8	Y	Y	IV + Vi	2B	LST-NG (F)
5	M	47	22	216	3	N	Y	IV	2A	LST-NG (F)
6	M	70	10	252	6	N	Y	IIIL	2A	LST-G (H)
7	F	56	25	162	6	N	N	IIIL	2A	LST-G (H)
8	F	71	20	70	15	N	N	IV	2A	LST-NG (F)
9	M	80	23	180	14	Y	Y	IV	2A	Protruded
10	M	66	15	44	16	Y	N	IV	2A	LST-G (M)
11	M	49	8	94	60	Y	N	IIIL	2A	LST-NG (F)

JNET, the Japan NBI Expert Team; M, male; F, female; N, no; Y, yes; LST, laterally spreading tumor; G, granular; NG, non-granular; (F), flat; (H), homogeneous; (M), nodular mixed.

No.	Pathological results of endoscopic submucosal dissection							Pathologic characteristics of the primary tumor						
	Size of resected specimen	Depth of invasion	LI	VI	HM	VM	Predominant type	ER	CR	CuR	Tumor location	Predominant type	T stage	N stage
1	25	PL	N	N	N	N	LGIN	N	N	N	Rectum	HGIN	Tis	N0
2	36	PL	N	N	Y	Y	LGIN	N	N	N	Rectum	HGIN	Tis	N0
3	22	PL	N	N	N	N	LGIN	Y	Y	Y	Rectum	MDA	T4	N0
4	33	M	N	N	N	N	WDA	Y	Y	Y	Rectum	MDA	T4	N0
5	32	PL	N	N	N	N	LGIN	Y	Y	Y	Rectum	MDA	T4	N0
6	15	PL	N	N	N	N	LGIN	Y	Y	Y	Rectum	MDA	T3	N1
7	30	PL	N	N	N	N	HGIN	Y	Y	Y	Rectum	WDA	T2	N0
8	30	PL	N	N	N	N	LGIN	N	N	N	Left colon	WDA	T2	N0
9	35	PL	N	N	Y	Y	HGIN	Y	N	N	Left colon	MDA	T4	N2
10	18	PL	N	N	N	N	LGIN	Y	Y	Y	Left colon	MDA	T4	N0
11	12	PL	N	N	N	N	LGIN	N	N	N	Right colon	MDA	T1b	N1

LI, lymphatic invasion; VI, vessel invasion; HM, horizontal margin; VN, vertical margin; ER, en-bloc resection; CR, completed resection; CuR, curative resection; PL, precancerous lesions; M, mucosa; N, no; Y, yes; LGIN, light grade intraepithelial neoplasia; HGIN, high grade intraepithelial neoplasia; WDA, well-differentiated adenocarcinoma; MDA, moderately differentiated adenocarcinoma.

Table S3 Detail operative information of each patient

No.	Operation details of endoscopic submucosal dissection				
	Operation duration (min)	Hospital time (d)	Complications		
			Postoperative bleeding	Perforation	Follow-up time (months)
1	48	5	N	N	36
2	262	6	Y	N	42
3	72	3	N	N	14
4	42	6	N	N	12
5	62	4	N	N	7
6	40	6	N	N	11
7	78	5	N	N	31
8	40	10	N	N	61
9	54	8	N	N	53
10	40	6	N	N	6
11	48	6	N	N	6

N, no; Y, yes.

Table S4 Pathologic characteristics of the primary tumor (n=11)

Tumor location	N (%)
Rectum	7 (63.6)
Right colon (CE, AC, TC)	1 (9.1)
Left colon (DC, SC)	3 (27.3)
Predominant type	
HGIN	2 (18.2)
WDA	2 (18.2)
MDA	7 (63.6)
PDA	0 (0.0)
T stage	
Tix	2 (18.2)
T1	1 (9.1)
T2	2 (18.2)
T3	1 (9.1)
T4	5 (45.5)
N stage	
N0	8 (72.7)
N1	2 (18.2)
N2	1 (9.1)

CE, Cecum; AC, ascending colon; TC, transverse colon; DC, descending colon; SC, sigmoid colon; HGIN, high grade intraepithelial neoplasia; WDA, well-differentiated adenocarcinoma; MDA, moderately differentiated adenocarcinoma; PDA, poorly differentiated adenocarcinoma.