Supplementary Table 1 Polyp characteristics by intervention, overall, *n* (%)

N = 428	ESD (N = 125)	Knife-assisted endoscopic resection (N =4 5)	EMR (N = 258)	P value
Mean size of polyp, mm (mean ± SD)	35.8 (17.3)	33.3 (9.9)	30.5 (10.8)	< 0.001
En bloc	113 (90.4)	14 (31.1)	52 (20.2)	< 0.001
Prior attempt	7 (5.6)	2 (4.4)	18 (7.0)	0.754
Location of polyp				
Cecum	18 (14.4)	9 (20.0)	59 (22.9)	< 0.001
Ascending	27 (21.6)	17 (37.8)	98 (38.0)	
Transverse	11 (8.8)	8 (17.8)	61 (23.6)	
Descending	5 (4.0)	5 (11.1)	20 (7.8)	
Sigmoid	14 (11.2)	2 (4.4)	11 (4.3)	
Rectum	50 (40.0)	4 (8.9)	9 (3.5)	
Pathology				
Non-neoplastic	0 (0.0)	1 (2.2)	15 (5.8)	< 0.001
Neoplastic, no high-grade dysplasia	85 (68.0)	32 (71.1)	219 (84.9)	
High-grade dysplasia	22 (17.6)	8 (17.8)	15 (5.8)	
Neuroendocrine tumor	1 (0.8)	0 (0.0)	0 (0.0)	
Cancer	17 (13.6)	4 (8.9)	9 (3.5)	
Complete Resection				< 0.001
R0	92 (73.6)	12 (26.7)	21 (8.1)	
R1	28 (22.4)	33 (73.3)	218 (84.5)	
Rx	5 (4.0)	0 (0.0)	19 (7.4)	

Follow-up	77 (61.6)	32 (71.1)	178 (69.0)	0.290

Supplementary Table 2 Univariate Cox regression evaluating predictors of recurrence, including ESD and knife assisted endoscopic resection versus EMR

Covariates	Unadjusted hazard ratio (95%CI)	P value
Treatment type		**0.020**
EMR, pure	(Reference)	
ESD + knife-assisted	0.09 (0.01-0.69)	
Age, per year	1.04 (0.99-1.08)	0.094
Sex		0.912
Female	(Reference)	
Male	1.05 (0.46-2.38)	
Race		0.122
White	(Reference)	
Non-White	1.91 (0.84-4.31)	
Polyp location		0.420
Non-rectum	(Reference)	
Rectum	0.55 (0.13-2.36)	
Prior resection attempt	2.83 (0.81-9.93)	0.105
Polyp size, by mm	1.03 (1.01-1.05)	**0.001**
Presence of circumferential incision	0.11 (0.01-0.79)	**0.028**
En bloc resection	0.15 (0.04-0.64)	**0.010**
JNET classification		
Type 1	(Reference)	
Type 2A	2.82 (0.38-21.00)	0.312
Type 2B or 3	3.57 (0.32-39.67)	0.301
R0 resection	0.13 (0.02-0.97)	**0.046**

Supplementary Table 3 Multivariate Cox regression evaluating predictors of recurrence, including ESD and knife assisted endoscopic resection versus EMR

Covariates	Adjusted hazard ratio (95%CI)	P value
Treatment type		0.008
EMR, pure	(Reference)	
ESD + knife-assisted	0.05 (0.01-0.45)	
Polyp size, by mm	1.05 (1.03-1.07)	< 0.001