

## Supplementary material

## Supplementary sources:

Table 1. ESD outcomes for colonic cases

Characteristic	Overall, 217 patients (lesions=221)
Primary outcome	
En bloc resection	173 (87.3%)
R0 resection	163 (73.8%)
Curative resection	161 (72.9 %)
Procedure time (median)	82 minutes
Resection speed	6.4 cm <sup>2</sup> /hr
Specimen size in cm	
Specimen size length	2.9 ± 1.4 cm
Specimen size width	2.4 ± 1.1 cm

Table 2: Multiple mixed effect linear regression for ESD time

	Coefficient	95% Confidence Interval		p-value
<b>Lesion length &gt; 4 cm</b>	31.13	22.51	39.74	<b>0.000</b>
<b>Location</b>				0.509
<b>Esophagus</b>	Reference	.	.	.
<b>Stomach</b>	10.32	-6.22	26.86	0.222
<b>Jejunum or duodenum</b>	3.26	-13.03	19.55	0.695
<b>Colon</b>	4.54	-6.41	15.48	0.417
<b>Appendix or IC valve</b>	5.20	-12.52	22.91	0.565
<b>Rectum</b>	13.90	-0.43	28.23	0.057
<b>Multiple knives</b>	28.65	18.78	38.51	<b>0.000</b>
<b>Fibrosis</b>	19.16	8.87	29.45	<b>0.000</b>
<b>Paris IIa + IIc (vs. other)</b>	12.52	2.75	22.29	<b>0.012</b>
<b>Use of hemostatic device</b>	4.17	-8.66	17.00	0.524

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**Table 3: Associations with ESD time among single colonic procedures (Mixed linear regressions)**

	<b>Coefficient</b>	<b>95% Confidence Interval</b>		<b>p-value</b>
<b>Lesion length &gt; 4 cm</b>	26.47	15.88	37.07	<b>0.000</b>
<b>Multiple knives used</b>	26.39	13.73	39.05	<b>0.000</b>
<b>Use of hemostatic device</b>	18.21	-1.64	38.06	0.072

**Table 4: Associations with R0 resection among single colonic procedures (multiple logistic regression for R0 resection)**

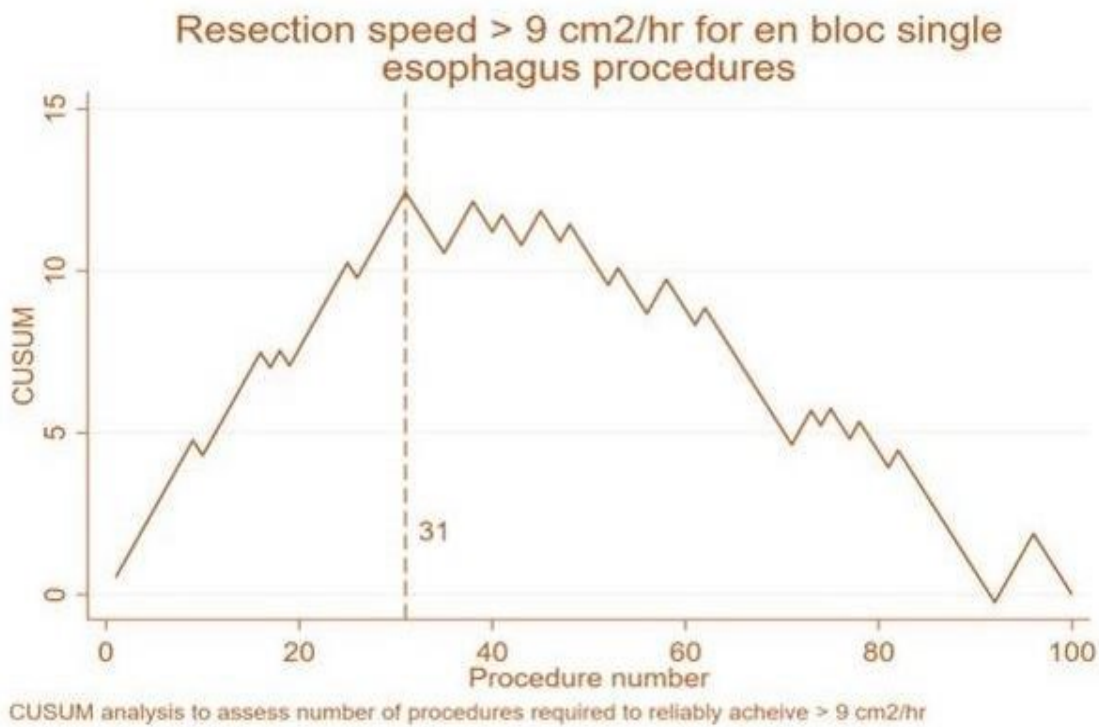
	<b>Adj. OR</b>	<b>95% Confidence Interval</b>		<b>p-value</b>
<b>Multiple knives used</b>	0.42	0.20	0.90	<b>0.025</b>
<b>Fibrosis</b>	0.42	0.20	0.90	<b>0.025</b>

**Table 5: Multiple GEE for R0 resection**

	<b>Adj. OR</b>	<b>95% Confidence Interval</b>		<b>p-value</b>
<b>Location</b>				0.069
Esophagus	Reference	.	.	.
Stomach	1.24	0.50	3.03	0.644
Jejunum or duodenum	0.36	0.17	0.76	<b>0.008</b>
Colon	0.91	0.52	1.57	0.725
Appendix or IC valve	0.58	0.24	1.40	0.226
Rectum	0.84	0.40	1.78	0.652
<b>Fibrosis</b>	0.34	0.21	0.55	<b>0.000</b>

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Supplementary figure 1



Supplementary figure 2

