**Supplemental table 1. Comparisons of baseline characteristics and therapeutic outcomes between patients of the pre-incision traction group and intra-dissection traction group**

|  |  |  |  |
| --- | --- | --- | --- |
| Variables | PIT group(*n* = 26) | IDT group(*n* = 10) | *P* value |
| Sex (M/F) | 17/9 | 6/4 | 1.000 |
| Age, mean ± s.d., years | 66.3 ± 10.3 | 69.3 ± 11.4 | 0.449 |
| BMI, mean ± s.d. kg/m2 | 22.5 ± 2.6 | 22.1 ± 2.1 | 0.622 |
| Abdominal surgery history, yes/no | 7/19 | 3/7 | 1.000 |
| BBPS, mean ± s.d | 6.2 ± 0.9 | 6.4 ± 0.8 | 0.546 |
| Lesion diameter, mean ± s.d., cm | 4.1 ± 1.0 | 4.0 ± 0.8 | 0.873 |
| Lesion location (Proximal/Distal) | 19/7 | 7/3 | 1.000 |
| Macroscopic morphology (Granular/Nongranular) | 16/10 | 7/3 | 0.716 |
| *En bloc* resection, *n (*%) | 26 (100) | 10 (100) | 1.000 |
| *R0* resection, *n* (%) | 24 (92.3) | 10 (100) | 1.000 |
| Procedure time, mean ± s.d., min | 29.8 ± 18.4 | 43.0 ± 13.4 | **0.047** |
| Total submucosal injection volume, mean ± s.d., mL | 49.6 ± 32.3 | 57.0 ± 20.0 | 0.507 |
| Histopathological type, *n (*%) |  |  |  |
| Adenoma | 10 (38.5) | 4 (40.0) | 1.000 |
| HGIN or intramucosal adenocarcinoma | 11 (42.3) | 6 (60.0) | 0.463 |
| Submucosal adenocarcinoma | 5 (19.2) | 0 | 0.293 |
| Postoperative hospital stay, mean ± s.d., d | 1.8 ± 0.8 | 2.2 ± 0.6 | 0.174 |
| Complications, *n (*%) |  |  |  |
| Intra-operative bleeding, *n (*%) | 7 (26.9) | 7 (70.0) | **0.026** |
| Muscular injury, *n* (%) | 2 (7.7) | 2(20.0) | 0.305 |
| Delayed bleeding, *n (*%) | 0 | 0 | 1.000 |
| Total expenses, Chinese Yuan | 18774.6 ± 3632.3 | 19001.7 ± 1690.9 | 0.800 |

*Abbreviations:* PIT, pre-incision traction; IDT, intra-dissection traction; M, male; F, female; BMI, body mass index; BBPS: Boston bowel preparation scale; HGIN, high-grade intraepithelial neoplasia; s.d., standard deviation; cm, centimeter; min, minute; d, day.