## Supplementary Table 2. Risk factors of large residual gastric volume (Logistic) 50mL

| Variable                                      | Uni-variate analysis | Multi-variate analysis |
|-----------------------------------------------|----------------------|------------------------|
|                                               | P-value  | OR (95% CI) | P-value  | Adjusted OR (95% CI) |
| Male sex                                      | 0.936    | 0.976 (0.543-1.755) | 0.968    | 1.014 (0.524-1.962)  |
| Age                                           | 0.058    | 0.972 (0.944-1.001)  | 0.121    | 0.975 (0.945-1.007)  |
| BMI                                           | 0.291    | 1.052 (0.958-1.155)  |          |                      |
| Reason for colonoscopy                        |          |              |          |                      |
| Screening                                     | 0.017    | 1.0 (Ref.)    | 0.100    | 1.0 (Ref.)           |
| Surveillance                                  | 0.017    | 2.462 (1.177-5.150) | 0.133    | 1.857 (0.829-4.163)  |
| GI symptom and others†                        | 0.249    | 0.555 (0.204-1.511)  | 0.198    | 0.499 (0.173-1.436)  |
| Previous colonoscopy                          |          |              |          |                      |
| Yes                                           | 1.0 (Ref.) |              |          |                      |
| None                                          | 0.124    | 0.420 (0.139-1.270)  |          |                      |
| Diabetes                                      | 0.551    | 0.778 (0.342-1.772)  |          |                      |
| Time from taking bowel preparation to gastroscopy (hr) | 0.524    | 0.961 (0.852-1.085)  |          |                      |
| Time from last water intake to gastroscopy     | 0.084    | 0.892 (0.784-1.016)  |          |                      |
| <4hr                                          | 0.004    | 2.579 (1.356-4.906)  |          |                      |
| <5hr                                          | 0.002    | 2.607 (1.434-4.740)  | 0.024    | 2.086 (1.101-3.951)  |
| <6hr                                          | 0.015    | 2.432 (1.190-4.971)  |          |                      |
| <7hr                                          | 0.644    | 1.231 (0.510-2.972)  |          |                      |
| Total water intake (L)                        | 0.505    | 0.902 (0.666-1.222)  |          |                      |
| Reason for difficulty of taking               |          |              |          |                      |
| Taste                                         | 0.462    | 0.781 (0.404-1.510)  |          |                      |
| Amount of solution                            | 0.009    | 2.500 (1.252-4.992)  | 0.039    | 2.234 (1.040-4.797)  |
| Associated symptoms                           | 0.151    | 0.633 (0.339-1.181)  |          |                      |
| Side effect                                   |          |              |          |                      |
| Yes                                           | 0.192    | 1.498 (0.817-2.748)  |          |                      |
| Overall satisfaction with bowel preparation solution | 0.095    | 1.0 (Ref.)    | 0.415    | 1.0 (Ref.)           |
| Satisfy                                       |          |              |          |                      |
| Common                                       | 0.034    | 0.451 (0.216-0.941)  | 0.314    | 0.662 (0.297-1.478)  |
| Dissatisfaction                               | 0.349    | 0.660 (0.277-1.576)  | 0.956    | 1.028 (0.387-2.731)  |
| Total BPPS                                    | 0.035    | 1.462 (1.027-2.081)  | 0.318    | 1.223 (0.824-1.818)  |
| Total Bubble score                            | 0.435    | 0.949 (0.834-1.082)  |          |                      |
| Inspection Satisfaction by endoscopist        | 0.033    | 0.205 (0.047-0.882)  | 0.207    | 0.358 (0.073-1.763)  |

OR, odds ratio; CI, confidence interval; BMI, body mass index; GI, gastrointestinal.
†Tumor marker elevation, stool occult blood positive.