**Supplementary Table 1.** Results of multiple regression analysis using the Mini Nutritional Assessment-Short Form as a continuous variable

|  |  |  |
| --- | --- | --- |
|  | Unadjusted estimate | Adjusted estimate |
|  | Partial regression coefficient  | 95% confidence interval | P-value | Partial regression coefficient  | 95% confidence interval | P-value |
| MNA-SF score | 2.0  | (0.6, 3.3) | 0.004 | 1.6  | (0.1, 3.0) | 0.02 |

MNA-SF, Mini Nutritional Assessment-Short Form.

The adjusted model was adjusted for age, sex, physical status by the criteria of the American Society of Anesthesiologists, surgical field, surgical procedure (laparotomy), surgical duration, blood loss volume, and postoperative analgesia (patient-controlled epidural analgesia).