Supplement 1. Causes of death or hospitalization during follow-up period

|  |  |  |
| --- | --- | --- |
|  | Cause of death, n (%) | Cause of hospitalization, n (%) |
| Cardiac | 20 (23) | 73 (12.0) |
| Cerebrovascular | 11 (12.6) | 24 (4.0) |
| Infection/inflammation | 21 (24.1) | 178 (29.3) |
| GI bleeding | 4 (4.6) | 69 (11.3) |
| Others | 31 (35.7) | 264 (43.4) |
| Total | 87 (100) | 608 (100) |

Abbreviation: GI, gastrointestinal.

Supplement 2. Univariate Analysis of the Association of Frailty with Mortality and Hospitalization

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Mortality | | Hospitalization | |
|  | Hazard Ratio (95% CI) | *P* Value | Hazard Ratio (95% CI) | *P* Value |
| Status of frailty |  |  |  |  |
| Pre frail | 1.02 (0.49 – 2.14) | .950 | 1.39 (1.07 – 1.79) | .011 |
| Frail | 3.05 (1.55 – 6.00) | .001 | 2.40 (1.87 – 3.08) | <.001 |
| Age (year) | 1.04 (1.02 – 1.06) | <.001 | 1.00 (1.01 – 1.02) | <.001 |
| Female gender | 0.74 (0.48 – 1.15) | .181 | 0.73 (0.87 – 1.20) | .443 |
| Diabetes | 2.29 (1.49 – 3.52) | <.001 | 1.69 (1.45 – 1.99) | <.001 |
| Cardiac | 2.07 (1.29 – 3.31) | .002 | 1.70 (1.40 – 2.07) | <.001 |
| Cerebrovascular | 0.60 (0.60 – 2.40) | .596 | 1.33 (1.03 – 1.72) | .027 |
| Disability | 2.47 (1.59 – 3.82) | . <.001 | 1.68 (1.40 – 2.02) | <.001 |
| Dialysis modality (PD) | 1.41 (0.89 – 2.23) | .145 | 1.64 (1.38 – 1.95) | <.001 |
| Unemployed | 2.74 (1.42 – 5.29) | .003 | 1.80 (1.47 – 2.22) | <.001 |
| BMI (kg/m2) | 0.94 (0.88 – 1.01) | .086 | 1.02 (1.00 – 1.04) | .114 |
| Education level  ≤ 6th grade  7th to 12th grade  > 12th grade | 1.00 (referent)  1.06 (0.64 – 1.75)  0.47 (0.21 – 1.02) | .821  .055 | 1.00 (referent)  0.81 (0.68 – 0.98)  0.48 (0.36 – 0.62) | .026  <.001 |
| Albumin (g/dL) | 0.70 (0.55 – 0.88) | .002 | 0.76 (0.69 – 0.84) | <.001 |
| iPTH (pg/dL) | 1.00 (1.00 – 1.00) | .310 | 1.00 (1.00 – 1.00) | .155 |
| Hemoglobin (g/dL) | 0.78 (0.64 – 0.94) | .008 | 0.89 (0.83 – 0.97) | .004 |

Abbreviations: BMI, body mass Index; CI, confidence interval; iPTH, intact parathyroid hormone; PD, peritoneal dialysis.

Supplement 3. Frequency of Hospitalization according to the status of frailty

|  |  |  |  |
| --- | --- | --- | --- |
| Status of Frailty (n) | Frequency of Hospitalizations, n (%) | | |
| 0 | 1 | > 2 |
| Not frail (324) | 245 (75.6) | 48 (14.8) | 31 (9.6) |
| Pre frail (757) | 507 (67.0) | 155 (20.5) | 95 (12.5) |
| Frail (577) | 298 (51.6) | 133 (23.1) | 146 (25.3) |

P < .001