**Supplementary Table 1. Patient comorbidities**

| **Factor** | **Total****(N=1083)** | **Without delirium(N=706)** | **With delirium(N=377)** |
| --- | --- | --- | --- |
| **Other comorbidities** |  |  |  |
| Congestive heart failure -% | 151(14) | 97(14) | 54(14) |
| Valvular disease -% | 85(8) | 50(7) | 35(9) |
| Pulmonary circulation disease -% | 84(8) | 56(8) | 28(7) |
| Peripheral vascular disease -% | 108(10) | 68(10) | 40(11) |
| Hypertension -% | 708(65) | 450(64) | 258(68) |
| Paralysis -% | 43(4) | 26(4) | 17(5) |
| Other neurological disorders -% | 87(8) | 40(6) | 47(12) |
| Chronic pulmonary disease -% | 232(21) | 145(21) | 87(23) |
| Diabetes -% | 331(31) | 209(30) | 122(32) |
| Hypothyroidism -% | 180(17) | 110(16) | 70(19) |
| Renal failure -% | 252(23) | 164(23) | 88(23) |
| Liver disease -% | 285(26) | 170(24) | 115(31) |
|  Lymphoma -% | 23(2) | 13(2) | 10(3) |
|  Metastatic cancer -% | 166(15) | 116(16) | 50(13) |
|  Solid tumor without metastasis -% | 188(17) | 128(18) | 60(16) |
|  Rheumatoid arthritis -% | 44(4) | 28(4) | 16(4) |
|  Coagulopathy -% | 425(39) | 259(37) | 166(44) |
|  Obesity -%  | 289(27) | 184(26) | 105(28) |
|  Weight loss -% | 394(36) | 209(30) | 185(49) |
|  Fluid and electrolyte disorders -% | 771(71) | 470(67) | 301(80) |
|  Chronic blood loss anemia -% | 20(2) | 16(2) | 4(1) |
|  Deficiency Anemias -% | 190(18) | 116(16) | 74(20) |
|  Drug abuse -% | 30(3) | 12(2) | 18(5) |
|  Psychoses -% | 62(6) | 33(5) | 29(8) |

*Values presented as Mean ± SD, Median [P25, P75], Median (min, max) or N (column %).*

*Abbreviations: IV: intravenous.*