**Supplemental Table 3A. Outcome of 35 patients assessed for diaphragm atrophy at day-5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Patients outcome | All patients(n=35) | Diaphragm atrophy(n=17) | No diaphragm atrophy (n=18) | *p* value |
| Successful weaning from MV#  | 43% (12/28) | 41% (7/17) | 45% (5/11) | 0.823 |
| Discharged alive from ICU$  | 51% (18/35) | 35% (6/17) | 67% (12/18) | 0.063 |
| Discharged alive from hospital$  | 34% (12/35) | 29% (5/17) | 39% (7/18) | 0.555 |

*MV, mechanical ventilation; ICU, intensive care unit; Outcomes were assessed at day-14# and day-28$ after admission. 35 patients were followed from day-1 to day-5$ including 28 patients ventilated#. Patients were classified according to a threshold of diaphragm atrophy of -10%.*

**Supplemental Table 3B. Outcome of 34 patients assessed at day-5 for pectoral atrophy**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Patients outcome | All patients(n=34) | Pectoral atrophy(n=10) | No pectoral atrophy (n=24) | *p* value |
| Successful weaning from MV#  | 44% (12/27) | 12% (1/8) | 58% (11/19) | 0.043 |
| Discharged alive from ICU$  | 53% (18/34) | 30% (3/10) | 62% (15/24) | 0.084 |
| Discharged alive from hospital$  | 35% (12/34) | 20% (2/10) | 42% (10/24) | 0.228 |

*MV, mechanical ventilation; ICU, intensive care unit; Outcomes were assessed at day-14# and day-28$ after admission. 35 patients were followed from day-1 to day-5$ including 28 patients ventilated#. Patients were classified according to a threshold of pectoral atrophy of -10%.*