|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Pre-HFNO | HFNO 1 day | HFNO 2 days | HFNO 3 days |
| RR(bpm) | HFNO success | 22.0 (20.0,24.0) | 22.0 (20.0,25.0) | 22.0(20.0, 24.5) | 23.0(21.0,24.0) |
| HFNO failure | 22.0 (21.0,34.0) | 25.0 (21.0,30.5) | 29.5(29.0, 35.0) | 29.5(21.0,34.0) |
| *P* | 0.484 | 0.179 | 0.006 | 0.019 |

**Supplement table 2** The changes of median respiratory rate (RR, upper table) and ROX (lower table) (25th-75th percentiles) within the first 3 days of HFNO treatment between HFNO success group and HFNO failure group.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Pre-HFNO | HFNO 1 day | HFNO 2 days | HFNO 3 days |
| ROXindex | HFNO success | 10.16(6.77,13.04) | 7.54(5.43,11.31) | 6.49(4.58,9.28) | 6.96(4.91,8.61) |
| HFNO failure | 4.71(3.30,10.16) | 5.34(4.22,7.13) | 3.49(2.96,5.04) | 4.43(2.85,6.48) |
| *P* | 0.096 | 0.020 | 0.004 | 0.033 |