Additional file 1: **Table S1**.Correlation between baseline scores (both sum score and subscales) of the Severe Respiratory Insufficiency questionnaire and respiratory variables in 112 patients treated with long-term mechanical ventilation between 2008 and 2014

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  Na | Correlation coefficientFVC*a* | Pvalue |  | N a | Correlation coefficientFEV1*a* | Pvalue | N a | Correlation coefficientPaO2*a* | Pvalue |  | N a | Correlation coefficientPaCO2*a* | Pvalue |
| SRI-SS | 83 | 0.29 | 0.008 |  | 84 | 0.24 | 0.03 | 65 | 0.22 | 0.07 |  | 78 | -0.17 | 0.13 |
| SRI-PF | 86 | 0.28 | 0.009 |  | 87 | 0.27 | 0.01 | 68 | 0.26 | 0.03 |  | 81 | -0.18 | 0.10 |
| SRI-RC | 86 | 0.32 | 0.003 |  | 87 | 0.36 | 0.007 | 68 | 0.16 | 0.20 |  | 81 | -0.11 | 0. 33 |
| SRI-AS | 86 | -0.02 | 0.85 |  | 87 | -0.07 | 0.53 | 68 | -0.16 | 0.17 |  | 81 | 0.04 | 0.73 |
| SRI-SR | 86 | 0.27 | 0.01 |  | 86 | 0.16 | 0.15 | 67 | 0.20 | 0.11 |  | 80 | -0.23 | 0.04 |
| SRI-AX | 85 | 0.30 | 0.006 |  | 86 | 0.26 | 0.01 | 67 | 0.16 | 0.20 |  | 80 | -0.17 | 0.14 |
| SRI-WB | 83 | 0.21 | 0.06 |  | 84 | 0.13 | 0.25 | 65 | 0.17 | 0.19 |  | 78 | -0.14 | 0.23 |
| SRI-SF | 86 | 0.18 | 0.10 |  | 87 | 0.17 | 0.11 | 68 | 0.20 | 0.23 |  | 81 | -0.15 | 0.18 |

Abbreviations: SRI, Severe Respiratory Insufficiency; SS, sum score; PF, Physical Functioning; RC, Respiratory Complaints; AS, Attendant Symptoms and Sleep; SR, Social Relationships; AX, Anxiety; WB, Psychological Well-Being; SF, Social Functioning; FVC, forced vital capacity; FEV1, forced expiratory volume in one second of expiration; PaO2, partial pressure of oxygen; PaCO2, partial pressure of carbon dioxide.

a Numbers do not add to 112 due to missing SRI and respiratory variables.

*b* By Spearman correlation.

Additional file 1: **Table S2**. Hazard ratios for mortality by baseline scores (both sum score and subscales) of the Severe Respiratory Insufficiency questionnaire in obesity hypoventilation syndrome patients (n = 32) treated with long-term mechanical ventilation between 2008 and 2014

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SRI |  |  |  Crude |  |  Adjusteda |
| Nb | HR | 95% CI | P value | HR | 95% CI | P value |
| SRI- Sum Score (SS) |  | 31 | 0.98 | (0.95, 1.02) | 0.32 |  | 1.00 | (0.96, 1.03) | 0.84 |
| SRI- Physical Functioning (PF) |  | 32 | 0.97 | (0.94, 1.00) | 0.07 |  | 0.98 | 0.95, 1.01) | 0.17 |
| SRI- Respiratory Complaints (RC) |  | 32 | 0.98 | (0.95, 1.01) | 0.26 |  | 0.99 | (0.96, 1.02) | 0.61 |
| SRI- Attendant Symptoms and Sleep (AS) |  | 32 | 1.00 | (0.97, 1.04) | 0.74 |  | 1.01 | (0.97, 1.04) | 0.68 |
| SRI- Social Relationships (SR) |  | 31 | 0.99 | (0.96, 1.02) | 0.39 |  | 0.95 | (0.87, 1.03) | 0.99 |
| SRI- Anxiety (AX) |  | 31 | 1.00 | (0.97, 1.02) | 0.83 |  | 1.00 | (0.98 1.03) | 0.46 |
| SRI- Psychological Well-Being (WB) |  | 31 | 0.99 | (0.97, 1.02) | 0.62 |  | 0.99 | (0.97, 1.03) | 0.97 |
| SRI- Social Functioning (SF) |  | 32 | 0.98 | (0.94, 1.00) | 0.15 |  | 0.98 | (0.94, 1.02) | 0.38 |

Abbreviations: SRI, Severe Respiratory Insufficiency; HR, hazard ratio; CI, confidence interval.

a Adjusted for comorbidity.

b Numbers do not add to 32 due to missing in the Severe Respiratory Insufficiency questionnaire.