

**Ventilatory support or respiratory muscle training as adjuncts to exercise in obese CPAP-treated obstructive sleep apnoea patients: a randomized-controlled trial**

(Online Data supplement)

Online data supplement contains 2 tables and 1 figure:

**Table E1:** Unexpected events report

**Table E2:** Dietary intake in the subgroup of patients participating in the Grenoble's Center

**Figure E1:** Changes in peak minute ventilation and Respiratory Rate in the intention-to-treat population

**Table E1:** Unexpected events report

| Center | Patient | group | Unexpected event                                 | Timing   | Dropped out |
|--------|---------|-------|--|----------|-------------|
| France | #7      | 2     | Type II diabetes mellitus                        | training | No          |
| France | #12     | 0     | Inguinoscrotal hernia and hypertension treatment | visit #2 | Yes         |
| France | #18     | 1     | Stroke   | training | Yes         |
| France | #20     | 2     | Stop training because of ankle fracture          | training | Yes         |
| France | #22     | 2     | Ulnar canal surgery                              | visit #3 | No          |
| France | #26     | 2     | Hospitalization for pericardial effusion         | training | Yes         |
| Canada | #107    | 3     | Evaluations for Narcolepsy                       | visit #2 | Yes         |
| Canada | #128    | 1     | Pneumonia  | visit #2 | Yes         |

**Table E2:** Dietary intake in the subgroup of patients participating in the Grenoble's Center

|                                   | ERGO          | ERGO          | p    | ERGO-RMT      | ERGO-RMT      | p    | ERGO-NIV       | ERGO-NIV       | p    | Between group |                   |
|-----------------------------------|---------------|---------------|------|---------------|---------------|------|----------------|----------------|------|---------------|-------------------|
|                                   | pre           | post          |      | pre           | post          |      | pre            | post           |      | p - value     | Baseline / change |
| <b>Total Energy Intake (Kcal)</b> | 2486<br>±1046 | 2373<br>± 660 | 0.75 | 2483<br>± 743 | 2314<br>± 629 | 0.51 | 2885<br>± 1082 | 2645<br>± 1049 | 0.37 | 0.35          | 0.89              |
| <b>Protein intake (%)</b>         | 16 ± 4        | 16 ± 1        | 0.93 | 16 ± 4        | 18 ± 3        | 0.16 | 16 ± 4         | 17 ± 3         | 0.48 | 0.56          | 0.86              |
| <b>Lipid intake (%)</b>           | 34 ± 4        | 40 ± 1        | 0.32 | 45 ± 5        | 41 ± 6        | 0.48 | 34 ± 9         | 36 ± 9         | 0.37 | 0.02          | 0.27              |
| <b>Carbohydrate intake (%)</b>    | 42 ± 6        | 37 ± 2        | 0.32 | 35 ± 7        | 38 ± 3        | 0.50 | 43 ± 8         | 43 ± 8         | 0.84 | 0.07          | 0.52              |
| <b>Alcohol (%TEI*)</b>            | 8 ± 7         | 7 ± 4         | 0.32 | 4 ± 5         | 3 ± 4         | 0.60 | 7 ± 9          | 4 ± 4          | 0.18 | 0.90          | 0.72              |

Data are mean ± SD. Definition of abbreviations: \*TEI = Theoretical Energetic Intake

**Figure E1:** Panel A shows changes in peak minute ventilation VE (left sticks) and peak Respiratory Rate (RR) (right sticks) in the intention-to-treat population, and Panel B shows changes in peak VE (left sticks) and peak Respiratory Rate (RR) (right sticks) in the per-protocol population. Bars represent standard error. P values are for between-group differences in changes in peak VE or RR.