**SUPPLEMENTARY TABLES REGARDING THE RESPIRATORY ASESSMENT**

Table 1 - Comparative analysis between the parameters used in the respiratory asessment of patients with Graves' disease according to thyroid hormonal status.

|  |  |  |  |
| --- | --- | --- | --- |
| **RESPIRATORY ASSESSMENT** | Euthyroidism | Hyperthyroidism | P-value |
| Walking test risk  | Low risk | 30 (73.17%) | 29 (76.32%) | 0.7481 |
| Medium risk | 11 (26.83%) | 9 (23.68%) |
| Predicted distance (m) | 563.75 ± 69.33(574.46, 441.39-688.48) | 609.56 ± 98.1 (626.22, 452.16-781)   | 0.0347 |
| Walked distance (m) | 471.63 ± 58.02 (457, 342-597) | 475.47 ± 57.26 (478, 330-604) | 0.5140 |
| Walked distance of the predicted (%) | 83.8 ± 13.32 (82.86, 63.47-121.08) | 78.74 ± 13.49 (79.04, 53.3-102.28) | 0.2509 |
| Drop SpO2 ≥4 points | 4 (9.76%) | 4 (10.53%) | 1.0000 |
| Drop SpO2  | -0.83 ± 3.19 (0, -15 – 3) | -0.45 ± 3.14 (0, -15 – 4) | 0.3340 |
| Symptomatic MRC | 4 (9.3%) | 6 (15.79%) | 0.5032 |
| FVC or FEV1 < 80% of the predicted | 12 (32.43%) | 10 (27.78%) | 0.6648 |
| FVC (L) | 3 ± 0.64 (2.93, 1.94-4.63) | 3.11 ± 0.73 (3.02, 1.7-4.86) | 0.5318 |
| FVC (%) | 89.68 ± 13.4 (89, 70-126) | 88.31 ± 15.4 (90, 56-126) | 0.9077 |
| FEV1 (L) | 2.43  0.56 (2.43, 1.68-3.68) | 2.53  0.66 (2.51, 0.95-4.08) | 0.4426 |
| FEV1 (%) | 88.49  13.93 (86, 67-127) | 86.89  16.27 (89, 38-116) | 0.8382 |
| FEV1/CVF | 81.01  4.88 (82.1, 68.9-94.4) | 81.51  6.79 (82.05, 55.8-95.3) | 0.4141 |
| FEV1/CFV (%) | 99.11  5.89 (100, 84-113) | 98.31  8 (100, 67-112) | 0.6779 |

Walking test medium risk: up to 439 meters; Walking test low risk: ≥ 440 meters; Drop SpO2: final-initial SpO2

Symptomatic MRC: Dyspnea scale of the Medical Research Council between 3 to 5; FVC: forced vital capacity; FEV1: forced expiratory volume in the first second; FEV1/FVC: forced expiratory volume in one second / forced vital capacity ratio

Categorical variables are represented by the absolute value and frequency in percentage. Continuous variables are represented by values ​​of mean ± standard deviation (median, minimum and maximum).

Table 2 - Comparative analysis between the parameters used in the respiratory assessment of patients with Graves' disease according to the presence of Pulmonary Hypertension.

|  |  |  |
| --- | --- | --- |
| RESPIRATORY ASSESSMENT | PULMONARY HYPERTENSION | p-valor |
| Yes | No |
| Walking test risk | Low | 17 (70.83%) | 29 (76.32%) | 0.6308 |
| Medium | 7 (29.17%) | 9 (23.68%) |
| Drop Sp02 ≥ 4 points  | 2 (8.33%) | 5 (13.16%) | 0.6962 |
| Symptomatic MRC  | 3 (12%) | 5 (13.51%) | 1.0000 |
| FVC or FEV1 < 80% of the predicted | 8 (40%) | 10 (27.03%) | 0.3146 |
| Walked distance (m) | 472.17  62.51 (457.5, 342-604) | 481.58  55.57 (483, 372-593) | 0.4100 |
| Predicted distance (m) | 570.33 104.11 (546.06, 455.62-759.84) | 599.6575.04 (595.62, 441.39-781) | 0.1619 |
| Predicted distance (%) | 85.06 13.86 (86.78, 53.3-112.71) | 79.83 13.95 (79.22, 56.08-121.08) | 0.1103 |
| Drop SpO2 | -1  3.91 (0, -15 – 3) | -0,53,  3.16 (0, -15 – 4) | 0.5556 |
| FVC (L) | 2.87  0.87 (2.72, 1.7-4.86) | 3.13  0.6 (3.07, 1.93-4.63) | 0.0712 |
| FVC (%) | 83.7  10.08 (84, 56-98) | 91.19  15.95 (91, 63-126) | 0.0993 |
| FEV1 (L) | 2.31  0.79 (2.19, 0.95-4.08) | 2.56  0.5 (2.55, 1.65-3.68) | 0.0648 |
| FEV1 (%) | 82.05  13.99 (84, 38-104) | 90.27  15.26 (90, 61-127) | 0.0543 |
| FEV1/FVC | 79.92  7.28 (81.85, 55.8-88.9) | 82.15  5.35 (82.4, 66.7-95.3) | 0.3709 |
| FEV1/FVC (%) | 97.65  9.09 (99.5, 67-108) | 99.38  6.26 (100, 80-113) | 0.7122 |

Walking test medium risk: up to 439 meters; Walking test low risk: ≥ 440 meters; Drop SpO2: final-initial SpO2

Symptomatic MRC: Dyspnea scale of the Medical Research Council between 3 to 5; FVC: forced vital capacity; FEV1: forced expiratory volume in the first second; FEV1/FVC: forced expiratory volume in one second / forced vital capacity ratio