###### **Supplementary Table 2**. Amplitudes of Zygomaticus and Corrugator during the expression of different emotions along the biofeedback training.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Training block 1** | **Training block 2** | **Training block 3** | **Muscle****effect** | **Effect size** |
| Emotion | muscle | *M* | *SD* | *M* | *SD* | *M* | *SD* | *F(1,15)* | *p* | $$η\_{}^{2}$$ |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Happiness** | zygomaticus\* | 56.76 | 15.00 | 61.22 | 19.06 | 66.26 | 21.81 | 20.78 | **<.001** | .58 |
| corrugator | 40.36 | 5.75 | 39.29 | 4.27 | 41.22 | 7.15 |
| **Anger** | zygomaticus | 44.55 | 6.54 | 46.49 | 9.17 | 46.16 | 6.07 | 17.55 | **.001** | .54 |
| corrugator\* | 58.68 | 13.39 | 58.59 | 15.33 | 60.65 | 18.29 |
| **Disgust** | zygomaticus\* | 45.32 | 9.20 | 46.18 | 7.67 | 47.21 | 9.93 | 19.47 | **.001** | .57 |
| corrugator\* | 58.89 | 12.78 | 58.38 | 13.13 | 66.44 | 21.10 |
| **Fear** | zygomaticus | 39.51 | 3.82 | 41.48 | 6.06 | 41.13 | 4.36 | 6.40 | **.023** | .30 |
| corrugator\* | 45.15 | 10.17 | 49.89 | 14.56 | 51.27 | 14.99 |
| **Sadness** | zygomaticus | 42.57 | 6.51 | 41.87 | 4.48 | 43.13 | 6.06 | 12.64 | **.003** | .46 |
| Corrugator\* | 50.57 | 11.96 | 53.49 | 16.27 | 57.30 | 19.31 |

***Note.*** *N* = 16 PD patients of the experimental group. *F*-values, *p*-values and $η\_{}^{2}$ of mixed repeated ANOVA are reported. T-scaled mean facial muscle amplitude (assessed in mV) while imitating a facial expression in the biofeedback training in block 1, 2, and 3. Bold value indicates significant results (alpha <.05).\*indicates emotion specific muscle (see Methods).