**Table 1. Linear Regression results for the effects of ATC medication groups on resting-state EEG power variables**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Medication  Group | **EEG-Variable** | **N(case/control)** | ***t*** | ***df*** | ***p*** | ***partial η²*** |
| N03- Antiepileptics  N05 N05 N05 N05 N05 N05 N05 N05 N06 N06 N06 N06 N06 N06 N06 N06 | Occipital Peak Frequency Beta band power at Cz Alpha band power at Cz Broadband power at Cz Delta band power at Cz Theta band power at Cz Occipital Alpha Power Theta/Beta Ratio at Cz Beta band power at Cz Alpha band power at Cz Broadband power at Cz Delta band power at Cz Theta band power at Cz Occipital Alpha Power Occipital Peak Frequency Theta/Beta Ratio at Cz Occipital Peak Frequency Beta band power at Cz Alpha band power at Cz Broadband power at Cz Delta band power at Cz Theta band power at Cz Occipital Alpha Power Theta/Beta Ratio at Cz | **102 / 2961**  **102 / 2961**  **102 / 2961**  **102 / 2961**  **102 / 2961**  **102 / 2961**  **102 / 2961**  **102 / 2961**  **135 / 2961**  **135 / 2961**  **135 / 2961**  **135 / 2961**  **135 / 2961**  **135 / 2961**  **135 / 2961**  **135 / 2961**  **135 / 2961**  **135 / 2961**  **282 / 2961**  **282 / 2961**  **282 / 2961**  **282 / 2961**  **282 / 2961**  **282 / 2961** | -3.33 -0.35 0.58 0.13 0.18 1.02 -0.13 0.67 2.10 1.21 1.69 0.58 0.22 0.79 0.62 -1.83 -2.87 0.34 -0.21 0.53 1.24 1.63 -0.43 2.02 | 3059 3059 3059 3059 3059 3059 3059 3059 3092 3092 3092 3092 3092 3092 3092 3092 3239 3239 3239 3239 3239 3239 3239 3239 | 0.0009 \*\*\* 0.7271 0.5605 0.8976 0.8602 0.3068 0.8941 0.5036 0.0362 \* 0.2250 0.0907 0.5629 0.8287 0.4282 0.5324 0.0671 0.0042 \*\*0.7359 0.8313 0.5930 0.2134 0.1038 0.6676 0.0432 \* | 0.0065 0.0004 0.0000 0.0001 0.0002 0.0001 0.0002 0.0001 0.0031 0.0007 0.0018 0.0002 0.0000 0.0002 0.0003 0.0027 0.0031 0.0002 0.0000 0.0002 0.0003 0.0005  0.0001 0.0004 |

**Note.**  *p* < .05 (*),* *p* *< .01 (*), *p* < .001 (); partial η² = partial eta squared. Occipital Peak Frequency in Hertz (Hz); all band power in decibels per Hertz (dB/Hz); Theta/Beta Ratio at Cz is unitless. Sample sizes (N, cases/controls): N03 = 102/2961, N05 = 135/2961, N06 = 282/2961.

* Abkürzungen nicht im Note Teil erwähnen, wenn sie schon im Methoden erklärt sind

Textteile:

\*\*Note.\*\* \*p\* < .05 (\*), \*\*p\* < .01 (\*\*), \*\*\*p\* < .001 (\*\*\*); partial η² = partial eta squared.

EEG variables: Occipital Peak Frequency in Hertz (Hz), Beta band power in decibels per Hertz (dB/Hz), Theta/Beta Ratio is dimensionless.

**Note.** N (cases/controls): N03 = 102/2961, N05 = 135/2961, N06 = 282/2961.

This table presents the results of linear regression analyses examining the association between three medication groups (Med. Group) N03: antiepileptics, N05: psycholeptics, N06: psychoanaleptics; ATC classification and eight EEG outcome variables. For each medication group and EEG variable, the t-value, degrees of freedom (df), p-value, and partial eta squared (η²) are reported.

EEG variable abbreviations: pow\_cz\_broadband = broadband power at Cz, pow\_cz\_delta = delta power at Cz, pow\_cz\_theta = theta power at Cz, pow\_cz\_alpha = alpha power at Cz, pow\_cz\_beta = beta power at Cz, pow\_occipital\_alpha = alpha power at occipital electrodes, pow\_occipital\_peakfreq = occipital peak frequency (Hz), tbr\_tbr\_cz = theta/beta ratio at Cz.

Linear regression results for the effects of ATC medication groups (N03: antiepileptics, N05: psycholeptics, N06: psychoanaleptics)

on resting-state EEG power variables. Shown are t-values, degrees of freedom (df), p-values, and partial eta squared (η²) for each group and variable.

p < .05 (\*), p< .01 (\*\*),p***< .001 (***);.  partial η² = partial eta squared,Occipital Peak Frequency is in Hertz (Hz); all band power measures are in decibels per Hertz (dB/Hz); Theta/Beta Ratio at Cz is unitless.