**Supplementary Table 4. The *P*-values for the interaction between group and time in the two-way repeated measures ANOVA.**

**Figure 4; A – F**

|  |  |  |
| --- | --- | --- |
|  | Sedation with propofol (n=8) vs. no sedation (n = 9) | Sedation with dexmedetomidine (n = 7) vs. no sedation (n = 9) |
| Delta (0.5-4 Hz) | *P* = 0.0006 | *P* < 0.0001 |
| Theta (4-8 Hz) | *P* < 0.0001 | *P* < 0.0001 |
| Alpha (8-12 Hz) | *P* < 0.0001 | *P* < 0.0001 |
| Sigma (12-16 Hz) | *P* < 0.0001 | *P* < 0.0001 |
| Beta (16-24 Hz) | *P* < 0.0001 | *P* < 0.0001 |
| Gamma (30-90 Hz) | *P* < 0.0001 | *P* < 0.0001 |

**Figure 5; D – I**

|  |  |  |
| --- | --- | --- |
|  | Sedation with propofol (n=8) vs. no sedation (n = 9) | Sedation with dexmedetomidine (n = 7) vs. no sedation (n = 9) |
| Delta (0.5-4 Hz) | *P* = 0.001 | *P* < 0.0001 |
| Theta (4-8 Hz) | *P* = 0.0007 | *P* < 0.0001 |
| Alpha (8-12 Hz) | *P* < 0.0001 | *P* < 0.0001 |
| Sigma (12-16 Hz) | *P* < 0.0001 | *P* < 0.0001 |
| Beta (16-24 Hz) | *P* < 0.0001 | *P* < 0.0001 |
| Gamma (30-90 Hz) | *P* = 0.0006 | *P* = 0.002 |

**Figure 6; D – I**

|  |  |  |
| --- | --- | --- |
|  | Sedation with propofol (n = 8) vs. no sedation (n = 9) | Sedation with dexmedetomidine (n = 7) vs. no sedation (n = 9) |
| Delta (0.5-4 Hz) | *P* = 0.056main effect: *P* = 0.002 | *P* < 0.0001 |
| Theta (4-8 Hz) | *P* = 0.010 | *P* < 0.0001 |
| Alpha (8-12 Hz) | *P* = 0.001 | *P* < 0.0001 |
| Sigma (12-16 Hz) | *P* < 0.0001 | *P* < 0.0001 |
| Beta (16-24 Hz) | *P* = 0.891main effect: *P* < 0.0001 | *P* < 0.0001 |
| Gamma (30-90 Hz) | *P* < 0.0001 | *P* < 0.0001 |

**Supplementary Figure 3; A – C**

|  |  |  |
| --- | --- | --- |
|  | Sedation with propofol (n = 16) vs. no sedation (n = 16) | Sedation with dexmedetomidine (n = 16) vs. no sedation (n = 16) |
| Mean arterial pressure | *P* < 0.0001 | *P* = 0.019 |
| Heart rate | *P* = 0.0004 | *P* < 0.0001 |
| Respiratory rate | *P* = 0.058main effect: *P* = 0.955 | *P* = 0.025 |

**Supplementary Figure 3; D – F**

|  |  |  |
| --- | --- | --- |
|  | Sedation with propofol (n = 10) vs. no sedation (n = 10) | Sedation with dexmedetomidine (n = 10) vs. no sedation (n = 10) |
| Mean arterial pressure | *P* < 0.0001 | *P* = 0.004 |
| Heart rate | *P* = 0.0008 | *P* = 0.305main effect: *P* = 0.388 |
| Respiratory rate | *P* = 0.195main effect: *P* = 0.099 | *P* = 0.010 |