Supplemental Digital Content

**Variation of acceleromyographic TOF ratios during measurements in the recovery room.**

Twelve patients had recurrent neuromuscular block (normalized average TOF ratio < 0.9) on 18 occasions (bold italic fonts). Three normalized TOF ratios are reported for each patient on each occasion. Each table shows data obtained at different measurement times (0, 20, 40, 60 min). The coefficients of variation of TOF ratios have been calculated for each patient. The median coefficient of variation for the dataset was 6% (IQR: 5.1).

Table 1. Time 0

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Patients**  | **Study group** | **TOFR 1** | **TOFR 2** | **TOFR 3**  | **Mean TOFR** | **Coefficient of variation** |
|
| ***34*** | ***sug 0.5 mg /kg*** | ***0.86*** | ***0.83*** | ***0.88*** | ***0.85*** |  ***0.02*** |
| 36 |  sug 1.0 mg/kg  | 0.87 | 0.88 | 0.88 | 0.88 |  0.006 |
| ***44*** | ***sug 1.0 mg/kg***  | ***0.86*** | ***0.86*** | ***0.78*** | ***0.83*** |  ***0.05*** |
| ***62*** | ***sug 1.0 mg/kg***  | ***0.90*** | ***0.84*** | ***0.85*** | ***0.86*** |  ***0.037*** |
| 55 | sug 2.0 mg/kg  | 0.87 | 0.87 | 0.87 | 0.87 |  0 |

sug = sugammadex, TOFR = train-of-four ratio

Table 2. 20 min

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Patients** | **Study group** | **TOFR 1** | **TOFR 2** | **TOFR 3** | **Mean TOFR** | **Coefficient of variation** |
|
| 18 |  placebo |  1.0 | 0.78 | 0.88 | 0.88 |  0.068 |
| 37 |  neostigmine | 0.93 | 0.80 | 0.85 | 0.86 |  0.076 |
| 10 | sug 0.5 mg /kg | 1.21 | 0.81 | 0.61 | 0.87 |  0.34 |
| ***34*** | ***sug 0.5 mg /kg*** | ***0.78*** | ***0.85*** | ***0.90*** | ***0.84*** |  ***0.07*** |
| 60 | sug 0.5 mg /kg  | 0.91 | 0.88 | 0.88 | 0.89 |  0.02 |
| 11 |  sug 1.0 mg/kg  | 0.88 | 0.79 | 0.89 | 0.85 |  0.06 |

sug = sugammadex, TOFR = train-of-four ratio

Table 3. 40 min

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Patients** | **Study group** | **TOFR 1** | **TOFR 2** | **TOFR 3** | **Mean TOFR** | **Coefficient of variation** |
|
| ***7*** |  ***placebo*** | ***0.82*** | ***0.88*** | ***0.87*** | ***0.85*** |  ***0.06*** |
| ***34*** |  ***sug 0.5 mg /kg***  | ***0.86*** | ***0.85*** | ***0.88*** | ***0.86*** |  ***0.017*** |
| ***62*** |  ***sug 1.0 mg/kg***  | ***0.81*** | ***0.90*** | ***0.90*** | ***0.87*** |  ***0.06*** |

sug = sugammadex, TOFR = train-of-four ratio

Table 4. 60 min

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Patients** | **Study group** | **TOFR 1** | **TOFR 2** | **TOFR 3** | **Mean TOFR** | **Coefficient of variation** |
|
| ***7*** |  ***placebo*** | ***0.70*** | ***0.73*** | ***0.80*** | ***0.74*** |  ***0.07*** |
| ***44*** |  ***sug 1.0 mg/kg***  | ***0.96*** | ***0.85*** | ***0.78*** | ***0.86*** |  ***0.105*** |
| ***62*** |  ***sug 1.0 mg/kg***  | ***0.82*** | ***0.88*** | ***0.91*** | ***0.87*** |  ***0.05*** |
| 3 |  sug 2.0 mg/kg  | 0.81 | 0.64 | 0.71 | 0.72 |  0.13 |

sug = sugammadex, TOFR = train-of-four ratio