Supplementary Table 2: Univariate and Multivariable analysis for **Mild** Delay by Subscale

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **Receptive** | | | | **Expressive** | | | | **Fine** | | | | **Gross** | | | |
|  | **Unadjusted** | | **Adjusted** | | **Unadjusted** | | **Adjusted** | | **Unadjusted** | | **Adjusted** | | **Unadjusted** | | **Adjusted** | |
|  | OR (95%CI) | P | aOR | P | OR (95%) | P value | aOR | P | OR (95%) | P value | aOR | P | OR | P | aOR | P |
| **CS-AKI Episodes** |  | 0.10 |  | 0.30 |  | 0.08 |  | 0.50 |  | 0.01 |  | 0.81 |  | 0.02 |  | 0.89 |
| 0 | Ref |  | Ref |  | Ref |  | Ref |  | Ref |  | Ref |  | Ref |  | Ref |  |
| 1 | 1.1 (0.6-2.1) | 0.76 | 0.8 (0.4-1.8) | 0.64 | 1.5 (0.8-2.8) | 0.23 | 1.2 (0.6-2.3) | 0.67 | 1.3 (0.6-2.8) | 0.52 | 0.9 (0.4-2.1) | 0.8 | 1.3 (0.6-2.8) | 0.45 | 1.2 (0.5-2.8) | 0.75 |
| >1 | 5.6 (1.1-27.3) | **0.03** | 5.6 (0.5-67) | 0.17 | 5.3 (1.1-25.7) | **0.04** | 3.6 (0.4-30.6) | 0.25 | 8.5 (2.1-35.1) | **0.003** | 1.7 (0.3-10.2) | 0.59 | 9.7 (1.9-50.6) | **0.007** | 1.6 (0.2-15.3) | 0.68 |
| **Demographics** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Male | 1 (0.6-1.7) | 0.92 |  |  | 2 (1.1-3.5) | **0.02** |  |  | 1.6 (0.8-3.2) | 0.17 |  |  | 3.4 (1.6-7.2) | **0.001** | 4.4 (1.8-10.5) | **0.001** |
| Birthweight, kg | 1 (0.6-1.6) | 0.9 | 1.2 (0.7-2.2) | 0.5 | 0.9 (0.5-1.4) | 0.58 | 1 (0.6-1.7) | 0.96 | 0.7 (0.4-1.2) | 0.18 | 0.8 (0.4-1.4) | 0.43 | 0.5 (0.3-0.8) | **0.01** | 0.4 (0.2-0.9) | **0.02** |
| Non- Hispanic White | 0.3 (0.1-0.5) | **<0.001** | 0.2 (0.1-0.4) | **<0.001** | 0.7 (0.4-1.2) | 0.15 |  |  | 0.7 (0.4-1.4) | 0.34 |  |  | 0.9 (0.5-1.8) | 0.87 |  |  |
| Gestational age (weeks) | 0.9 (0.8-1.1) | 0.4 |  |  | 0.9 (0.8-1.1) | 0.34 |  |  | 0.9 (0.8-1.1) | 0.24 |  |  | 0.8 (0.7-1) | **0.03** |  |  |
| Age at 1st surgery (7day increase) | 1.0 (0.9-1) | 0.47 | 1 (0.9-1) | 0.33 | 1 (0.9-1.1) | 0.13 | 1 (1-1.1) | 0.09 | 1 (0.9-1.1) | 0.55 | 1 (1-1.1) | 0.83 | 1 (0.9-1) | 0.85 | 1 (0.9-1) | 0.56 |
| >1 cardiac surgery | 1.5 (0.8-2.7) | 0.17 |  |  | 2.1 (1.2-3.7) | **0.02** |  |  | 2 (1-3.8) | 0.05 |  |  | 3.5 (1.8-6.8) | **<0.001** |  |  |
| **Intra/PostOp** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total CPB | 1.0 (1-1) | 0.08 |  |  | 1 (1-1) | **0.03** |  |  | 1 (1-1) | 0.06 |  |  | 1 (1-1) | **<0.001** |  |  |
| Total Anesthesia | 1.0 (1-1) | **0.004** |  |  | 1 (1-1) | **0.003** |  |  | 1 (1-1) | **0.006** |  |  | 1 (1-1) | **<0.001** |  |  |
| Total Hospital Days in 1st year  (7 day increase) | 1.1 (1.1-1.2) | **<0.001** | 1.2 (1.1-1.3) | **<0.001** | 1.1 (1-1.2) | **<0.001** | 1.1 (1.1-1.2) | **<0.001** | 1.1 (1.1-1.2) | **<0.001** | 1.1 (1.1-1.2) | **<0.001** | 1.1 (1.1-1.2) | **<0.001** | 1.1 (1.1-1.2) | **<0.001** |
| Total Intubated Days | 1.0 (1-1.1) | **0.03** |  |  | 1 (1-1.2) | **0.03** |  |  | 1.1-1-1.1) | **0.002** |  |  | 1.1 (1-1.1) | **0.01** |  |  |
| Total Benzodiazepine (mg) | 1 (1-1.1) | 0.19 | 0.9 (0.8-1) | **0.02** | 1 (1-1.1) | 0.22 | 0.9 (0.8-1) | **0.03** | 1.1 (1-1.2) | **0.03** |  |  | 1.2 (1-1.3) | **0.03** |  |  |
| Total Opiate (mg) | 1 (1-1) | 0.65 |  |  | 1 (1-1) | 0.61 |  |  | 1 (1-1) | 0.88 |  |  | 1 (1-1) | **0.02** |  |  |
| STAT 3-5 | 0.7 (0.4-1.2) | 0.16 |  |  | 1 (0.6-1.9) | 0.9 |  |  | 1.4 (0.7-2.9) | 0.41 |  |  | 1.8 (0.9-3.9) | 0.13 |  |  |
| ECMO/VAD/CPR | 2.6 (0.5-14.4) | 0.28 |  |  | 2.3 (0.4-13) | 0.34 |  |  | 16.8 (1.9-148.2) | **0.01** |  |  | 12.4 (1.4-114) | **0.03** |  |  |
| Post-Op Seizures | 5.4 (1.1-26) | **0.04** |  |  | 1.7 (0.5-6.2) | 0.43 |  |  | 4.9 (1.3-18.2) | **0.02** |  |  | 3.6 (0.9-13.8) | 0.07 |  |  |
| English Speaker | 0.8 (0.4- 1.4) | 0.40 |  |  | 0.9 (0.4-1.6) | 0.65 |  |  | 0.98 (0.5- 2.1) | 0.96 |  |  | 1.1 (0.5- 2.4) | 0.73 |  |  |