Supplementary Material

# Supplementary Tables

**Table 1**. Clinical characteristics of the maternal-neonatal dyads.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Seronegative cord blood****(n=45)****(n, %)** | **Seropositive cord blood****(n=18)****(n, %)** | **All****(n= 63)****(n,%)** |
| **Maternal age (years):****<19****19-34****>35** | 1 (2)26 (58)14 (22) | 1 (5)11 (61)6 (33) | 2 (3)37 (63)20 (34) |
| **Maternal pre-gestational BMI (kg/m2):****<24.9****25-29.9****>30** | 3 (8)23 (60)12 (32) | 3 (18)8 (47)6 (33) | 6 (11)31 (56)18 (33) |
| **Maternal pre-existing conditions:****Hypertension****Autoimmune disease****Diabetes Mellitus****Hypothyroidism** | 02 (5)4 (7)2 (4) | 1 (5)000 | 1 (1)2 (3)4 (6)2 (3) |
| **Gravity:****1****2****>3** | 13 (29)13 (29)14 (31) | 3 (17)10 (55)3 (17) | 16 (29)23 (41)17 (30) |
| **C-section:****0****1****2****>3** | 20 (44)16 (35)6 (13)3 (17) | 9 (50)5 (28)2 (11)0 | 29 (52)16 (29)8 (14)3 (5) |
| **Abortion:****0****1****>2** | 24 (50)13 (29)3 (67) | 10 (55)4 (22)2 (11) | 34 (61)17 (30)5 (9) |
| **Gestational Diabetes** | 1 (2) | 1 (6) | 1 (1) |
| **Preeclampsia** | 0 | 2 (11) | 2 (3) |
| **Premature rupture of membranes** | 1 (2) | 0 | 1 (1) |
| **Gestational age (weeks)****> 37** | 45 (100) | 18 (100) | 63 (100) |
| **Birthweight (g):****1501-2499****>2500** | 4 (9)41 (91) | 018 (100) | 4 (6)59 (94) |

**Table 2.** A binomial logistic regression model with cord blood antibody test result (positive vs. negative) as a dependent variable.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variables** | **B** | **Wald** | **Sig.** | **Exp (B)** | **95% CI for Exp (B)** |
| Maternal Log2 SARS-CoV-2 IgG index | 0.857 | 13.756 | <0.001 | 2.357 | 1.498 – 3.707 |
| Maternal Ct values | 0.213 | 3.340 | 0.068 | 1.238 | 0.985 – 1.555 |

**Table 3**. Neonatal outcomes according to the RT-qPCR test result.

|  |  |  |
| --- | --- | --- |
|  | **COVID-19 negative****(n=29)** | **COVID-19 positive****(n=34)** |
|  | **Seronegative cord blood****(n=18)** | **Seropositive cord blood****(n=11)** | **Seronegative cord blood****(n=27)** | **Seropositive cord blood****(n=7)** |
| **Reanimation:****None****Oxygen****ETI** | 10 (59)7 (41)0 | 7 (64)4 (36)0 | 13 (50)12 (46)1 (4) | 3 (43)4 (57)0 |
| **Ventilatory support:****None****Oxygen****CPAP****HFV** | 16 (94)001 (6) | 10 (91)01 (9)0 | 22 (81)3 (11)2 (7)0 | 7 (100)000 |
| **Respiratory morbidity:****None****Tachypnea****RDS** | 15 (88)1 (6)1 (6) | 11 (100)00 | 25 (93)1 (4)0 | 7 (100)00 |
| **1 min Apgar score:****4-6****7-9** | 1 (6)16 (94) | 011 (100) | 027 (100) | 07 (100) |
| **5 min Apgar score:****4-6** | 17 (100) | 11 (100) | 27 (100) | 7 (100) |
| **Lemgh of hospital stay:****1-3****4-7****7-14****>14** | 15 (94)1(6)1 (6)0 | 9 (82)1 (4)1 (4)0 | 19 (73)3 (73)3 (11)1 (4) | 5 (73)1 (14)01 (14) |

 CPAP: continuous positive airway pressure; IMV: invasive mechanical ventilation; HFV: High frequency ventilation; RDS: respiratory distress

**Table 4.** A binomial logistic regression model with respiratory morbidity (adverse outcome) as a dependent variable and its association with cord blood antibody index.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variables** | **B** | **Wald** | **Sig.** | **Exp (B)** | **95% CI for Exp (B)** |
| SARS-CoV-2 IgG index | -1.260 | 3.614 | 0.057 | 0.284 | 0.077 – 1.040 |
| PCR test result | -3.306 | 2.646 | 0.212 | 0.212 | 0 - 6.561 |
| Sex | 4.067 | 2.212 | 0.137 | 58.396 | 0.275 - 12419.2 |
| Reanimation at birth | 21.3 | 0 | 0.997 | 1.78 | 0 |