

Pregnant Patients with COVID-19 Admitted to an ICU: A Comparison with a Historical Cohort of Critical Pregnant Patients without COVID-19

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Table S1. Maternal characteristics at the ICU admission.

	Pregnant pts with COVID-19 n = 11	Pregnant pts without COVID-19 n = 38	<i>p</i>
Maternal age (y) (mean; SD; range)	32.2; 4.6; 25–40	32.9; 6.3; 18–44	0.77
Body mass index (kg/m ²) (mean; SD; range)	34.6; 7.7; 24.91–47.75	28.8; 4.2; 22.3–36.4	0.04
Primigravida	2; 16.6%	12; 31%	0.13
Patients with at least one previous cesarean section (n; %)	8; 73%	22; 58%	0.65
Multiple pregnancy ** (n; %)	1; 8.4%	2; 5%	0.45

Table S2. Maternal comorbidities of the patients at the ICU admission.

Comorbidities	Pregnant pts with COVID-19 n = 11	Pregnant pts without COVID-19 n = 38	
Heart disease	0%	5; 13%	0.21
Arterial Hypertension	0	2; 3%	0.45
Hemostatic disorder	0	1; 5%	0.6
Asthma	0	1; 2.5%	0.61
Autoimmune disease	0	1; 2.5%	0.58
Hypothyroidism	2; 20%	3; 8%	0.26
Malignancy	0	2; 5%	0.42
Chronic renal failure	0	0	-
Diabetes mellitus type I	0	1; 2.5%	0.78
Chronic Infection (HIV, HBV)	0	1; 2.5%	0.78
Cerebrovascular accident	0	2; 5%	0.67
Twin pregnancy	1; 9%	2; 5%	0.9

Table S3. clinical features and characteristics of pregnant patients with COVID-19 admitted in ICU.

Case	Vaccinal status	Gestational age at ICU Admission (weeks)	Delivery during Admission	Days between Admission and Delivery	Age at Gestational Delivery (weeks)	Mode of Delivery	Indication for Delivery	Pao/FIO before Intubation	Duration of Mechanical Ventilation [†] (d)	ICU Length of Stay [†] (d)	Hospital Length of Stay [†] (d)	Maternal Outcome	CT COVID-19 score (according Chung - Radiology 2020; 295:202-207)
1	No	26	yes	3	27	Cesarean sec-	Respiratory failure	71.9	45	60	60	Alive	19/20
2	No	26	yes	1	26	Cesarean sec-	Respiratory failure	46.5	26	46	55	Alive	19/20
3	no	27	No (delivery the day before the admission)	0	27	Cesarean sec-	Respiratory failure	75.7	56	56	67	Dead	18/20
4	No	36	No (delivery 2 days before admission)	0	35+5	Cesarean sec-	Respiratory failure	39.7	6	6	12	Dead	15/20
5	No	38	Yes	1	38+1	Cesarean sec-	Respiratory failure	83.7	4	6	21	Alive	18/20
6	No	33	No (4 days before admission)	4	33+3	Cesarean sec-	Respiratory failure	Only non-invasive ventilation	2	3	7	Alive	14/20
7	No	33	No (2 days before admission)	2	33	Cesarean sec-	Respiratory failure	Only non-invasive ventilation	2	5	9	Alive	11/20
8	No	33	Yes	0	33	Cesarean sec-	Respiratory failure	98	10	16	21	Alive	17/20
9	No	30	Yes	0	30+1	Cesarean sec-	Respiratory failure	56	3	6	11	Alive	12/20
10	No	33	No (1 day before admission)	2	33+1	Cesarean sec-	Respiratory failure	91.5	13	14	16	Dead	18/20
11	No	19	No	6	20	Cesarean section	Status epilepticus	87	17	23	51	Alive	5/20

Table S4. newborn outcomes between the groups.

	Newborn from Pregnant pts with COVID-19	Newborn from Pregnant pts without COVID-19	<i>p</i>
Gestational age (weeks)	30.6; 5.4	34; 4	0.03
Born alive	11/12	36/40	0.96
Birth weight (gr)	1754.54; 770.6	2328.15; 841.3	0.048
Apgar at 5 minutes	7.6; 1.6	7.94; 1.61	0.43
Cardiopulmonary resuscitation at the birth	6/11	4/40	0.013