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Clinical features and obstetric and neonatal outcomes of pregnant patients with COVID-19 in Wuhan, China: a retrospective, single-centre, descriptive study

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QUEL EST L'IMPACT DU COVID-19 SUR LES FEMMES ENCEINTES? (PARTIE 1/2)



Devis:

Étude rétrospective, 1 centre, Wuhan, Chine.

Population:

Toutes femmes enceintes T3, testées + & admises



Résultats:

7 patientes:

Âge moyen 32 (29-34) ; AG moyen 39 + 1 (37-41+2)
3 nulliparts

2 (39%) avec maladies chroniques: HypoT4 (1) & PCOS (1)
Fièvre (86%); Toux (14%); Dyspnée (14%); Do (14%)

Césarienne (100%)

Outcome favorable (100%); pas USI

Co-infections (2/7): H1N1 (1); L. Pneumophila (1)

3 nouveaux-nés testés; 1+, mais test a/n placenta/cordon -

	Patient 1	Patient 2	Patient 3	Patient 4	Patient 5	Patient 6	Patient 7
Age, years	34	30	31	33	29	34	34
Gravida (parity)	2 (0)	2 (0)	2 (1)	5 (1)	1 (0)	2 (1)	2 (1)
Gestational age at admission, weeks + days	39 + 6	38 + 5	41 + 2	37	40 + 4	38 + 2	38 + 4
Exposure to Huanan seafood market	No	No	No	No	No	No	No
Contact history of epidemic area	Yes	Yes	Yes	Yes	Yes	Yes	Yes
History of chronic basic diseases	Hypothyroidism	Polycystic ovary syndrome	No	No	No	No	No
Pregnancy complications	No	No	No	Uterine scarring	No	Uterine scarring	Uterine scarring
Clinical manifestations of obstetrics	Abdominal pain (labour)	No	Abdominal pain (premonitory labour)	Increased fetal movement	Abdominal pain (premonitory labour)	Abdominal pain (premonitory labour)	No
Pneumonia-related manifestations							
Fever (days)	Yes (3)	Yes (4)	Yes (14)	No	Yes (3)	Yes (4)	Yes (8)
Cough	No	No	No	Yes	No	No	No
Shortness of breath	No	Yes	No	No	No	No	No
Diarrhoea	No	No	Yes	No	No	No	No
Incubation period, days	5	7	4	2	9	5	3

Table 1: Maternal characteristics of seven patients with COVID-19

	Patient 1	Patient 2	Patient 3	Patient 4	Patient 5	Patient 6	Patient 7
Pregnancy outcome	Discharged	Discharged	Discharged	Discharged	Discharged	Discharged	Discharged
Neonatal outcome	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Birthweight, g	3250	3350	3200	3000	3500	3300	3250
Apgar score (1 min)	8-9	8-9	8-9	8-9	8-9	8-9	8-9
Apgar score (5 min)	9-10	9-10	9-10	9-10	9-10	9-10	9-10
Admission to neonatology department	Yes	No	Yes	No	No	No	Yes
Nucleic acid test of SARS-CoV-2	Positive (36 h)	Not tested	Negative	Not tested	Not tested	Not tested	Negative
Days of follow-up	40	28	28	28	28	28	28
Neonatal complications	No	No	No	No	No	No	No

None of the women were admitted to intensive care. Normal=no respiratory symptoms or fever or neonatal complications, such as neonatal respiratory distress syndrome, feeding abnormalities, or abnormal growth or development. SARS-CoV-2=severe acute respiratory syndrome coronavirus 2.

Table 2: Maternal and neonatal outcomes of seven patients with COVID-19

Clinical characteristics and intrauterine vertical transmission potential of COVID-19 infection in nine pregnant women: a retrospective review of medical records

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QUEL EST L'IMPACT DU COVID-19 SUR LES FEMMES ENCEINTES? (PARTIE 2/2)



Devis:

Étude rétrospective, 1 centre, aussi Wuhan, Chine.

Population:

9 femmes enceintes T3, testées + & admises



Résultats:

9 patientes

Âge 26-40 ans ; AG 36-39+4 semaines

Césarienne (100%)

Fièvre (78%); toux (44%); myalgie (33%); odynophagie (22%); AEG (22%); sx GI (11%)

Pas de maladie chronique; HTA gestationnelle (1); PE (1)

Co-infection à influenza (1)

Détresse foetale à l'accouchement (22%)

9 naissances sans complications; 0 asphyxie néonatale

Apgar (1 min): 8-9; Apgar (5 min): 9-10

4/9 (44%) naissance < 37 sem (>= 36 sem) ; 2/4 avec <2500g

6 naissances testées; TOUS - (liquide amniotique, sang cordon, gorge & lait maternel); pas fait a/n vaginal

	Patient 1	Patient 2	Patient 3	Patient 4	Patient 5	Patient 6	Patient 7	Patient 8	Patient 9	n (%)
(Continued from previous page)										
CT evidence of pneumonia										
Typical signs of viral infection	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	8 (89%)
Delivery										
Method of delivery	C-section	C-section	C-section	C-section	C-section	C-section	C-section	C-section	C-section	..
Indication for C-section	Severely elevated ALT or AST; COVID-19 pneumonia	Mature; COVID-19 pneumonia	History of C-section (x 2); COVID-19 pneumonia	Pre-eclampsia; COVID-19 pneumonia	Fetal distress; COVID-19 pneumonia	History of stillbirth (x 2); COVID-19 pneumonia	PROM; COVID-19 pneumonia	Fetal distress; COVID-19 pneumonia	PROM; COVID-19 pneumonia	..
Treatment after delivery										
Oxygen support (nasal cannula)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9 (100%)
Antiviral therapy	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	6 (67%)
Antibiotic therapy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9 (100%)
Use of corticosteroid	No	No	No	No	No	No	No	No	No	0

PROM=premature rupture of membrane. NA=not applicable. ALT=alanine transaminase. AST=aspartate transaminase. COVID-19=2019 novel coronavirus disease. C-section=caesarean section. SARS-CoV-2=severe acute respiratory syndrome coronavirus 2. *Exposure to Hankou, the area in Wuhan where the epidemic was first detected. †A university where the patient works, and a gathering of people. ‡Data missing for one patient.

Table 1: Maternal clinical and laboratory characteristics

Limitations:

- Pas de donnée sur les femmes en 1er et 2e trimestre.
- Pas de données sur les cas modérés à sévères.
- C/S pratiquée chez 100% des patientes.
- Trop petit échantillon (16) pour conclure.

CE QU'IL FAUT RETENIR!

Il demeure incertain si une transmission verticale est possible et par conséquent, si un accouchement par voie vaginale est plus risqué