Corona Virus and Pregnancy

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Abstract
Corona Virus global has affected many parts of life, through antenatal, intra, and the postpartum period. Due to immunologically and physically adaptive perinatal variations, this is fully recognized that pregnant woman usually has an exceeded disposition to contamination. Despite this, the majorities of mothers influenced by Corona Virus to time have offered mild symptoms and produce perfect recovery. However, it is no safe evidence for the transition of the Corona Virus from pregnant women to neonatal during the pregnancy period. The Corona Virus infection didn’t appear to the excess probability of requirement for obstetric care during delivery, with well neonatal born through the vaginal birth canal to pregnant women with the contamination. Next to childbirth, the World Health Organization (WHO) advises mothers with Coronavirus to start breastfeeding within 1 hour of delivery and attracts in the skin-to-skin touch and kangaroo woman nursing. In addition to the implementation of seeking infection control provision, the pregnant women should share in usual preventive actions to avoid infection like washing hands before and after contacting the child and avoiding people who are ill.

Keywords: Coronavirus and pregnancy outcomes.

1. Introduction
Coronavirus disease 2019 global has appeared the main effect on health systems and communities worldwide. Nonetheless, maternal-fetal medicine and obstetrics training have experienced deep alternates to adjust to the pandemic. In general, many anatomic and physiologic variations of pregnancy impact the respiratory system and excess predisposition to contaminations. That might conclude or reprieve
the diagnosis of coronavirus and the clinical channel of the illness in contaminated mothers (1).

How does the Coronavirus affect pregnancy?

Fact on adverse pregnancy outcomes in gravid mothers with Coronavirus is lacking.

Maternal effect

Pregnant mothers may be in danger for serious disease, or morbidity and death rates contrasted to the public population as the monitor in cases of other viral respiratory infections, like influenza. The most current complications of Coronavirus contamination during pregnancy may be cesarean section delivery, maternal admission to the intensive care unit, and severe pneumonia. Pregnancy loss, included abortion and stillbirth, has been appeared in the status of infection with other regarded Covid-19 through pregnancy (2, 3).

Fetal effect

Whether a pregnant woman with coronavirus can carry the virus to her fetus or neonatal by other routes of vertical transmission is still unknown. Currently, there is no information on long-term health adverse on newborn either with coronavirus, or those exposed to the virus that causes coronavirus in utero. Based on restricted case reports, low birth weight and preterm birth have been reported among newborns to pregnant women positive for coronavirus through pregnancy. However, it was not clear that those effects were related to maternal contaminations. Maternal pyrexia through the 1st trimester of gravid may be connected with certain delivery disorders such as craniofacial and cardiac disorders and reverse neurological effects. (4, 5).

Neonatal Effect

The maximum widespread effect obstetrical effect regarding maternal with coronavirus from commonalty, neonatal mortality, admission to NICU, 5th minutes Apgar score less than seven (6, 7).

Recommendations for management

American College of obstetrician’s gynecologists (ACOG) and Centers for disease control and prevention (CDC) recommend priority coronavirus screening for gravid women admitted to hospital with suspicious coronavirus contamination or who improve symptoms related to coronavirus infection through admission. Follow general recommendations for infection prevention in the treatment of gravid women with suspected or confirmed coronavirus. Screening for coronavirus in gravid women is identical to that in the universal population. If symptoms worsen, the pregnant
women must be self-monitoring of symptoms and follow-up with health care promoters at minimal once within 14 days of coronavirus diagnosis \(^8,^9,^10\).

**Fetal surveillance during antenatal**

Through acute disease, fetal treatment should be identical to that promoted to any crucially sick pregnant women. Particular mid-trimester anatomy ultrasound screening may be reflected following 1st-trimester maternal coronavirus infection. Ultrasound examination of fetal development is specified in gravid women with coronavirus contamination due to the risk of fetal development limitation. \(^11\)

**Alternative prenatal care approaches may include the following:**

Reinforcing arrival to online antepartum education, such as set or personal meeting through online, email connect, upholding groups, platforms, text messaging, and telehealth appointments. The interval between individuals routine antenatal care offices to decrease the number of women in the office at once. \(^12\)

Whole gravid women with suspected or confirmed coronavirus contamination should take prophylactic low molecular weight heparin upon admission to decrease the hazard of venous thromboembolism unless delivery is predictable within twelve hours. Antenatal corticosteroids for fetal maturation are recommended to all gravid women with suspected or sure coronavirus at risk of preterm birth within one week between 24 and 33 weeks gestation for women who had multiple gestations and ruptured membranes between 34 and 36 weeks gestation for women who have not welcomed a prior course of antenatal corticosteroids \(^13,^14,^15\).

**Intrapartum**

The vital sign should be taken frequently, seeking for intubation, alternate to intubation for unharmed oxygen birth, and mother positioning. Clamping of the cord should be delayed in the setting of suspicious or sure coronavirus infection with the use of suitable individual conservative tools. The number of visitors should be restricted through in-hospital maternity nursing to reduce the danger of contamination. Timing of birth may not be impacted with coronavirus contamination in major status. Cesarean section birth should be set up on obstetric (maternal or fetal) references and not based on suspicious or soured coronavirus contamination. \(^16,^17\).

**Postpartum Management**
Identical to mothers without coronavirus contamination, tranexamic acid (TXA) for the therapy of postpartum bleeding may be believed for mothers with suspicious or sure coronavirus contamination when all other medical treatments are defeated. According to the Centers for disease control and prevention, newborns to women with sure coronavirus must be considered woman down examination and must be separated. Accelerated discharge from the hospital may be believed when both mother and her baby are well to minimize hazer of contamination to coronavirus. Whole mothers with sure coronavirus must be taken prophylactic low molecular weight heparin for ≥ ten days upon hospital sigh out in any case of delivery modes. (17, 19, 20).

References


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20) Antithrombotic Therapy in Patients with COVID-19
