



# corona virus in pregnancy & delivery

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## Abstract

**Introduction:** all the quicktransfer and person to the peraoon of the corona virus has become a global problem and threatening human health. Since the risk of infection in pregnant women is more than others, the purpose of this study is to provide information about the spread and effects of the corona virus to the mother and infant, as well as helping the treatment of this disease.

**Methods:** in this reviewal and unsystematic article , information is obtained with the search of keyword, the corona virus, pregnant women, infants, mortality and morbidity on the sites of pubmed, uptodate, medlib, googlescholar. Irrelevant studies has been removed.

**Result:** the found shows in pregnant woman, infection to corona virus in third 3 month of pregnancy can lead to increase the risk of preterm labor and preterm of memberane. In some cases , fetal distres in pregnant woman reported. There has been no case of the death of a pregnant woman and infant due to the corona virus.

**Conclusion:** therefore, according to the importance of pregnant women and babies, we need more information and taking proper care and treatment.

**keyword:** Corona virus,ainfant, mortality,pregnant woman

## Introduction

Pregnancy can somehow lead to weak pregnant women's safety system, so the risk of infections, like corona virus. For example: studies show that the effects of flu in pregnant women are more than non\_pregnant.[1\2]

According to the high importance of pregnant women, to be studies in some involved countries. in this disease we, beacuse of being new virus, we are also facing the limits of a clinical experience.according to Reports, in 5 different hospital in chinese, 10 infant were born from 9 mother with covid-19(2 of them were twins). That no case of mother death has been reported. The found of this report shows that corona virus in the third 3 months of pregnancy lead to an increase in the risk of preterm labor, preterm of memberane .[3]

In the review of the blood smaples, serum, amniotic fluid, the throat of the these infants , there is no evidence of the existence of the corona virus.[4]

In another study, 9 pregnanat mather was checked in the third 3 months of pregnancy, with a certain initative to corona virus (Positive RT\_PCR). None of them were suffering from field disease such as diabetes, chronic hypertension and cardiovascular. In 4/9 of cases that had symptoms such as myalgia, cough, Abnormal lung CT , disorder in ALT, ASTand 1 case of pre eclampsia , preterm labor was seen. (They were not before 36 weeks). In 2 cases thet one case with high fever and the other with cough, disorder in AST, ALT, short breath, lymphocytopenia, Abnormal lung CT and positive CRP preterm of memberane has been seen seen. in 2 cases with the symptoms of lymphocytopenia and abnormal lung CT hae also been seen. But there is no evidence of the mother's death.[5](table 1)

All 9 pregnant were delivery and infants were born with good apgar score. In another study, 3 cases of pregnant mother with corona virus were reported. One of them was a 34-years old mother with a fever, abnormal lung CT and finally positive PCR. Corona virus diseas du to chronic fetal distres. She was under the emergency cection and baby was born with good apgar score. Second case was a 34\_ years old mother, visited the hospital with fever. Her lung CT been abnormal. And PCR test was positive for her. Her infant was born in 38 weeks with a pretty good apgar score and alittle hypotone. And the third case was 30\_years old mother that visitet high blood pressure and fever. Her lung CT was abnormal and Her PCR test was positive. Finally the infant was born with a good apgar score. There are no evidence of the existence of corona virus in the throat, cord blood and amniotic fluid. Also in the sample of mather's milk and vaginal mocus there is no witness of the corona virus. No severe pneumonia and death of mother and baby has been reported.[6](table 2)

**Conclusion:** studies show that the pregnant mother in the third months of pregnancy can increase the risk of early birth, as well as stress in the mother. There is no reason that there corona virus has been seen in the samples of the throat, cord blood and serum, so the disease has no common transfer from mother to infant. Also all born babies had a good apgar. According to the top importance mother and baby health, offers to isolated, spicial care and accurate training for better mothers. managed by a multidisciplinary team of midwife, obstetrician, specialist in intensive care medicine, microbiologist.

All medical staff caring for COVID-19 patients should use personal protective equipment including gown, N95 masks, goggles, and gloves. Special consideration should be given to physiological adaptations in pregnancy when treating pregnant women with COVID-19 infection. There should also be actions such as hydratasion, nutrition care, keeping electrolyte balance, and patient monitoring and critical signs. According to this virus, providing more information about the effects of this virus on pregnant mothers and babies need more studies.