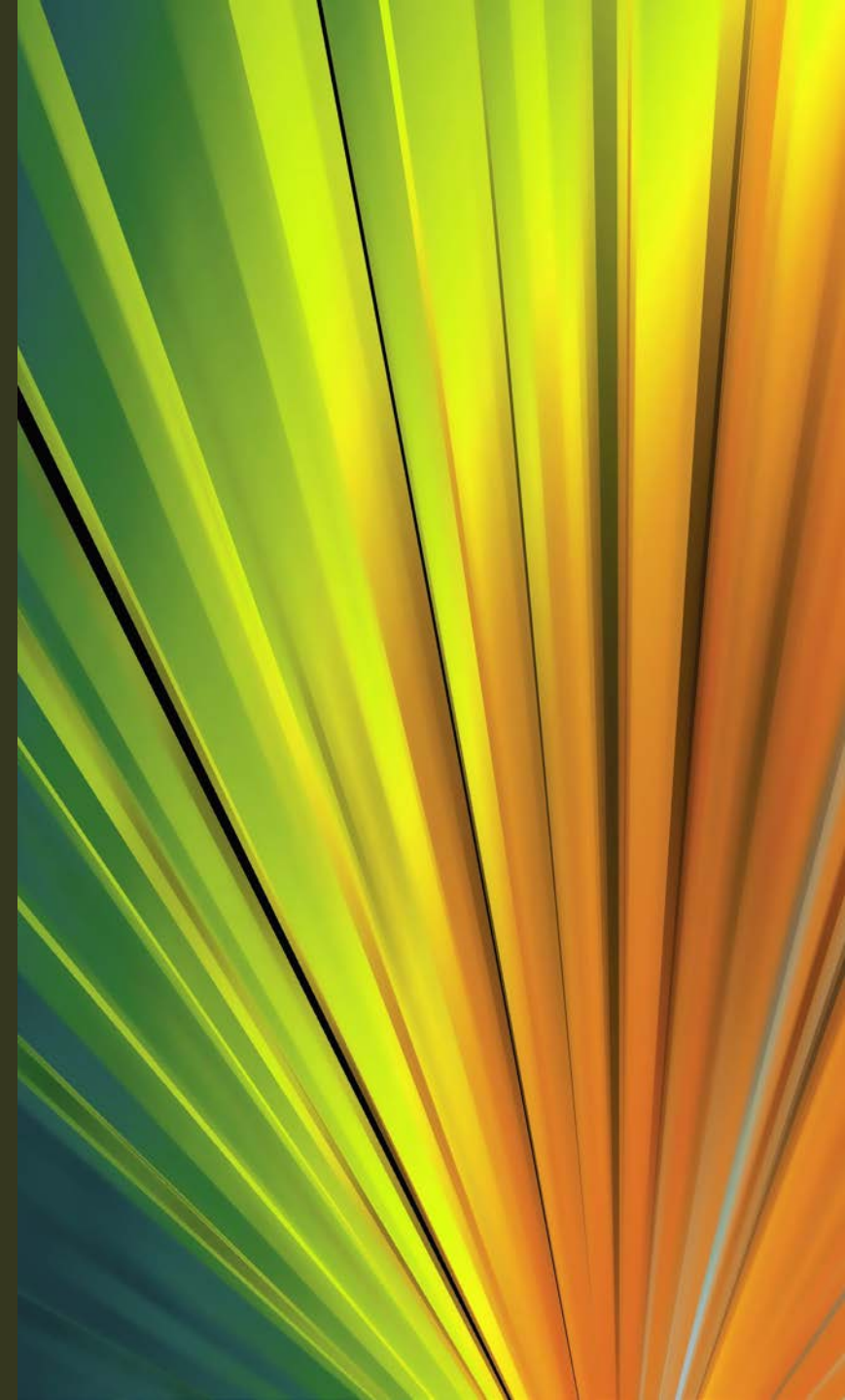

PREGNANCY & COVID 19

CLINICAL PRESENTATION, VACCINE, FERTILITY

PRESENTED BY JOHN HORTON, MD



CLINICAL PRESENTATION

Similar and subtle

- Challenges lie with the mimicry of pregnancy symptoms
- Test, have a low threshold to test

Increased risk for severe illness

Escalates to intensive care

- Admitted to ICU (10.5 vs. 3.9 per 1,00 cases)
- Received Ventilation (2.9 Vs 1.1 per 1,00 cases)

HEALTH DISPARITIES

Increased number of infections and mortality amongst woman of color and sexual minority people regardless of pregnancy status

**GUT CHECK:
JANUARY 22, 2020 –
MARCH 22, 2021**

- **Total Cases: 80,590**
- **Total Deaths: 88**

Total Data	56,479	
Hispanic or Latino	17,390	30.74%
Asian, Non-Hispanic	2,042	3.62%
Black, Non-Hispanic	8,590	15.21%
White, Non-Hispanic	24,209	42.87%
Multiple of other races	4,248	7.52%

VACCINES

MRNA

- Pfizer-BioNtech
- Moderna

Viral Vector

- Jansen - Johnson and Johnson
- AstraZeneca - Oxford

VACCINATION

- There is limited published safety data.... for now
 - Viral vector vaccines have been used to safely protect from Ebola virus
- Risk based counseling
 - Ability to minimize exposure

FACTS

There is no data on best timing of vaccination in pregnancy

Vaccine products do not enter the nucleus and do not alter someone's DNA

There is no placental or fetal tissue in vaccine products

WHAT THE CLINICAL SOCIETIES RECOMMEND

- ACOG
 - "ACOG recommends that COVID-19 vaccines should not be withheld from pregnant individuals."
 - Pregnancy testing should not be a requirement prior to receiving any EUA-approved COVID-19 vaccine
- SMFM
 - Vaccination is available during pregnancy.
 - Counseling should balance available data on vaccine safety with the lack of data related to fetal risk, the pregnant person's risk for SAR-CoV-2 acquisition, and their individual risk for moderate or severe disease.

FERTILITY

- "Unfounded claims linking COVID-19 vaccines to infertility have been scientifically disproven. ACOG recommends vaccination for all eligible people who may consider future pregnancy."
- ASRM
 - Cautiously resumed fertility cycles and therapies
 - "Patients undergoing fertility treatment and pregnant patients should be encouraged to receive vaccination based on eligibility criteria. Since the vaccine is not a live virus, there is no reason to delay pregnancy attempts because of vaccination administration or to defer treatment until the second dose has been administered."

BREASTFEEDING

Breastfeeding parents should be offered vaccine

There are no data available on:

- The safety of COVID-19 vaccines in lactating people
- The effects of vaccination on the breastfed infant
- The effects on milk production or excretion

Possible passive immunity from breast feeding parents but data limited