

# A CASE REPORT OF NEONATAL CORONAVIRUS 2019 (COVID-19) DISEASE IN GHANA

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# Introduction

- Global Pandemic
- Burden of the disease
- Pregnant women
- Vertical transmission is still unclear

# Case Presentation

## Characteristics of Neonate

<b>Sex</b>	<b>:</b>	<b>Female</b>
<b>MBA</b>	<b>:</b>	<b>36 weeks</b>
<b>Delivery Type</b>	<b>:</b>	<b>C/S</b>
<b>Indication</b>	<b>:</b>	<b>Imminent Eclampsia</b>
<b>Apgar Score</b>	<b>:</b>	<b>1min – 4      5min – 7</b>
<b>Birth Weight</b>	<b>:</b>	<b>2.6 kg</b>



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# Case Presentation

Clinical Course	
Admission Temperature	36.4°C
Respiratory rate on admission	88/min
SPO <sub>2</sub> on room air	61%
CPAP Support duration	4 days
Phototherapy duration	3 days
Empiric Antibiotics	5 days

# Case Presentation

## Lab Test Results of Neonate

	4 days of life	9 days of life	22 days of life
Hb(g/dl)	15.8	-	-
WBC ( $\mu$ L)	21.6	-	-
Total Bilirubin (g/dl)	139	-	-
Indirect Billi (g/dl)	124	-	-
Blood C/S	Negative	-	-
PCR (COVID-19) Nasopharyngeal Swab	-	Positive	Negative

# Case Presentation

Day 4

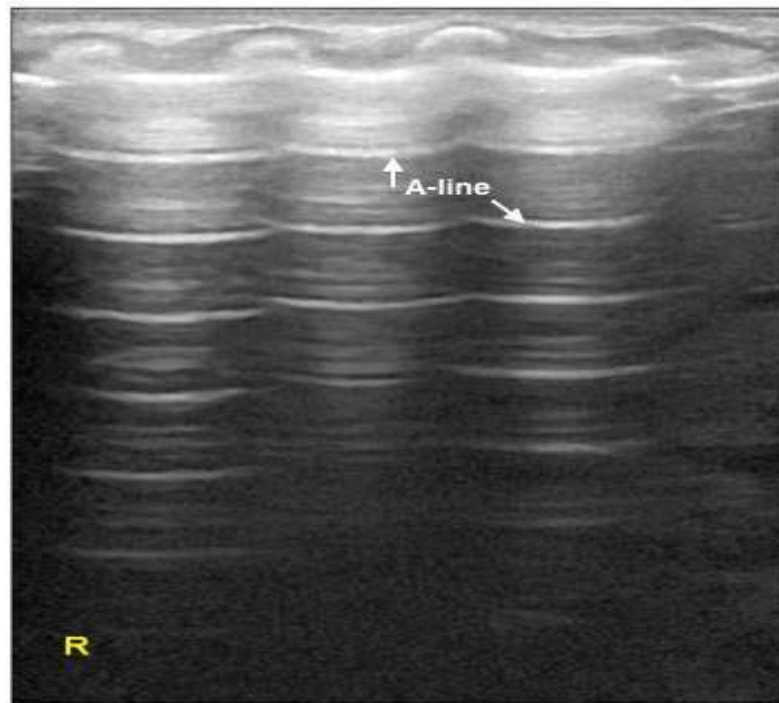


Day 12



# Case Presentation

## Normal Lung USG



# Case Presentation



Lung USG.  
Thick Coalescing B-Lines



Consolidated lung  
with air bronchogram



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# Discussion

- Pregnant women may present with no symptoms.
- Vertical transmission is possible but could not be verified.
- Transmission through breastfeeding ruled out.
- Nosocomial spread by infected close contacts is highly possible.
- Contact and Droplet precautions during delivery and initial care could not be verified

# Conclusion

- Further studies are needed to understand the maternal-fetal and maternal-neonatal transmission of SARS-COV-2.
- High index of suspicion on the ward.
- Parents and health care professionals need to work together to balance the risks and benefits of skin- to- skin contact and breastfeeding.

# References

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