Suspected or Confirmed COVID-19 Infection in Pregnancy
Algorithm for INPATIENT management

This algorithm is intended for COVID-positive pregnant patients who are deemed unwell enough to require INPATIENT management. The aim is to use clinical signs, laboratory markers and radiologic findings to identify those at risk for serious maternal morbidity/ICU admission. Please adapt to your center.

<table>
<thead>
<tr>
<th>Cardinal symptoms – assess daily</th>
<th>General Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symptom</td>
<td>Start empiric thromboprophylaxis (enoxaparin) for the entire duration of hospitalization.</td>
</tr>
<tr>
<td>No (0)</td>
<td>For anticipated preterm birth: administer antenatal corticosteroids.</td>
</tr>
<tr>
<td>Mild (1)</td>
<td>Judicious use of intravenous fluids, based on clinical presentation.</td>
</tr>
<tr>
<td>Moderate (2)</td>
<td>Low-dose aspirin can be continued.</td>
</tr>
<tr>
<td>Severe (3)</td>
<td>Currently no restriction on Indomethacin for tocolysis &amp; NSAIDs post-childbirth.</td>
</tr>
</tbody>
</table>

### Symptom

- Fever
- Cough
- Shortness of breath
- Body pain
- Diarrhoea
- Fatigue
- Cough
- Fever

### Laboratory

- CBC, lytes
- Lactate, Venous Blood Gas
- ALT, AST, Urea, Creat
- Urine
- CRP, Ferritin, d-dimer, LDH
- BNP, troponin
- ECG
- X-ray chest
- POCUS (if available)

### Oxygen Requirements

- HR, BP, RR, O₂
- None/ constant
- Delivery Anticipated During Visit
- Delivery NOT Anticipated During Visit
- Fib <4 OR platelets <80
- Platelets <50 or active bleeding

### Examination

- Repeat 4-hourly
- Consult Medicine/ID/ICU
- Repeat as indicated
- Consult Medicine/ID/ICU
- Consult Medicine/ID/ICU
- Consult Medicine/ID/ICU
- Consult Medicine/ID/ICU

### Cardiology for Echo

- Signs of superimposed bacterial infection – Start azithromycin + cefalosporin
- Signs of COVID-19 infection – NO ANTIBIOTICS; Supportive care
- Repeat if symptomatic
- CT scan
- Echocardiogram
- Repeat hourly

### Abbreviations

- BNP: B-type natriuretic peptide
- MRP: Most Responsible Physician
- POCUS: Point of care ultrasound

Comments: Rohan.DSouza@sinahealthsystem.ca

29-April-2020; Version 4