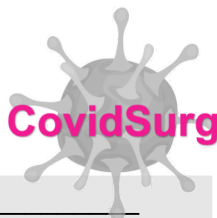


# Surgical outcomes in COVID-19 patients



Patient REDCap nr: \_\_\_\_\_

## COVID-19 diagnosis was made:

- Before surgery, positive lab test
- Before surgery, clinical diagnosis\*
- After surgery, positive lab test
- After surgery, clinical diagnosis\*

\*no test performed

Month of operation in 2020: Jan | Feb | Mar | Apr

May | Jun | Jul | Aug | Sept | not stated

Age: 0-4w | 4-52w | 1-9y | 10-16y | 17-19y | 20-29y | 30-39y | 40-49y | 50-59y | 60-69y | 70-79y | 80-89y | 90y+

Sex: Female | Male ASA Grade: 1 | 2 | 3 | 4 | 5

Weight (just children): \_\_\_\_\_ Kg

## Comorbidities:

- Current smoker
- Asthma
- Cancer
- Chronic Kidney Disease (Moderate/Severe)
- COPD
- Congenital abn (cardiac)
- Congenital abn (non cardiac)
- Congestive heart failure
- Dementia
- Diabetes Mellitus
- Hypertension
- Myocardial Infarction
- Peripheral Vascular Dis
- Stroke/TIA
- Other: \_\_\_\_\_

## Urgency of surgery:

Immediate | Urgent | Expedited | Elective

## Symptoms at admission:

- Abdominal pain
- Dyspnoea
- Cough
- Diarrhoea
- Fatigue
- Fever >38C
- Haemoptysis
- Myalgia
- Nausea/vomiting
- Sputum
- Other: \_\_\_\_\_

## Last available data from before surgery:

**AFPU:** Alert | Resp to voice | Resp to pain  
Unresponsive | Sedated and ventilated  
**Resp rate:** \_\_\_\_\_ rpm **Heart rate:** \_\_\_\_\_ bpm  
**Syst BP:** \_\_\_\_\_ mmHg **Diast BP:** \_\_\_\_\_ mmHg  
**SpO2:** \_\_\_\_\_ % on **FiO2:** \_\_\_\_\_ %

## Pre-op investigations:

**Haemoglobin:** \_\_\_\_\_ g/L **WCC:** \_\_\_\_\_ 10<sup>^9</sup>/L  
**CRP:** \_\_\_\_\_ mg/L **Albumin:** \_\_\_\_\_ g/L  
**Urea:** \_\_\_\_\_ mmol/L or  $\mu$ mol/L  
**Creatinin:** \_\_\_\_\_ mg/dL or g/L

## Arterial blood sample on FiO2: \_\_\_\_\_ %

**Lact:** \_\_\_\_\_ mmol/L **Bicarb:** \_\_\_\_\_ mmol/L  
**PaO2:** \_\_\_\_\_ **PaCO2:** \_\_\_\_\_

## Pre-op Xray:

- Not performed
- Yes- normal
- Yes- abnormal

## Pre-op chest CT:

- Not performed
- Yes- normal
- Yes- consolidation
- Yes- ground glass opacity
- Yes- pulmonary infiltration
- Yes- other abnormality

## Surgical details: Was COVID19 suspected

at time of surgery? Yes | No

Anaesthesia: Local | Regional | General

Surgical diagnosis: \_\_\_\_\_

Procedure completed: \_\_\_\_\_

## Treatment

**Did patient receive NSAIDs?** No | Yes before admission | After admission | Both

## Patient received during index admission?

- Antibiotics
- Antivirals
- Quinine/derivative
- Corticosteroids
- IV Immunoglobulins
- Interferon
- IL-6 blocker

Antiviral (name&dose): \_\_\_\_\_

Corticosteroid (name&dose): \_\_\_\_\_

## Renal dialysis during index admission?

No | Yes but not at 30 days after surgery

Yes and ongoing dialysis at 30 days after surgery

## Pre-op respiratory support:

- None
- Low-flow O2
- High-flow O2
- Non-invasive ventilation
- Invasive ventilation
- ECMO

## Post-op respiratory support:

- None
- Low-flow O2
- High-flow O2
- Non-invasive ventilation
- Invasive ventilation
- ECMO

## Duration of post-op mechanical ventilation:

1-23h | 24-47h | 48-71h | 72-167h | 168h+

## Outcomes

### Mortality:

- Died (on table)
- Died (on day 0-7)
- Died on day 8-30
- Alive (in hospital)
- Alive (other hospital)
- Alive (at rehab)
- Alive (at home)

Re-operation: Yes | No

- Post-op ICU:  No
- Planned from theatre
- Unplanned from theatre
- Unplanned from ward

## Complications:

- Acute kidney injury
- ARDS
- Anastomotic leak
- Blood transfusion
- Cardiac arrest
- Coma >24h
- Deep Vein Thrombosis
- Graft/prosthesis/flap fail
- Myocardial infraction
- Pneumonia
- Respiratory failure
- Sepsis
- Septic shock
- Stroke/TIA
- SSI superficial/deep
- SSI organ space
- UTI
- Wound dehiscence

Total length of stay: \_\_\_\_\_ days