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 (BPCO) | ☐ 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 | ☐ Haemoptysis | ☐ Dyspnoea | ☐ Myalgia | ☐ Cough | ☐ Nausea/vomiting | ☐ Diarrhoea | ☐ Sputum | ☐ Fatigue | ☐ Other:
☐ Fever >38C

Last available data from before surgery:
AFPU: Alert | Resp to voice | Resp to pain
Unresponsive | Sedated and ventilated
Respiratory rate:_____ rpm Heart rate:_____ bpm
Syst BP:______ mmHg Diast BP:______ mmHg
SpO2:_____% on FiO2:_____%

Pre-op investigations:
Haemoglobin:_____ g/L WCC:______10^9/L
CRP:_____ mg/L Albumin:_____ g/L
Urea:______mmol/L or µmo/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 | ☐ IV Immunoglobulins
☐ Antivirals | ☐ Interferon
☐ Quinine/derivative | ☐ IL-6 blocker
☐ Corticosteroids
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 | ☐ Non-invasive ventilation
☐ Low-flow O2 | ☐ Invasive ventilation
☐ High-flow O2 | ☐ ECMO

Post-op respiratory support:
☐ None | ☐ Non-invasive ventilation
☐ Low-flow O2 | ☐ Invasive ventilation
☐ High-flow O2 | ☐ ECMO

Duration of post-op mechanical ventilation:
1-23h | 24-47h | 48-71h | 72-167h | 168h+

Outcomes
Mortality:
☐ Died (on table) | ☐ Alive (in hospital)
☐ Died (on day 0-7) | ☐ Alive (other hospital)
☐ Died on day 8-30) | ☐ Alive (at rehab)
☐ Died on day 8-30) | ☐ Alive (at home)

Re-operation: Yes | No
Post-op ICU: ☐ No | ☐ Planned
☐ Unplanned from theatre | ☐ Unplanned from ward

Complications:
☐ Acute kidney injury | ☐ Pneumonia
☐ ARDS | ☐ Respiratory failure
☐ Anastomotic leak | ☐ Sepsis
☐ Blood transfusion | ☐ Septic shock
☐ Cardiac arrest | ☐ Stroke/TIA
☐ Coma>24h | ☐ SSI superficial/deep
☐ Deep Vein Thrombosis | ☐ SSI organ space
☐ Graft/prothesis/flap fail | ☐ UTI
☐ Myocardial infarction | ☐ Wound dehiscence
☐ Other:

Abdominal pain | ☐ Haemoptysis | ☐ Dyspnoea | ☐ Myalgia | ☐ Cough | ☐ Nausea/vomiting | ☐ Diarrhoea | ☐ Sputum | ☐ Fatigue | ☐ Other:
☐ Fever >38C

Pre-op chest CT:
☐ Not performed
☐ Yes- normal
☐ Yes- consolidation
☐ Yes- ground glass opacity
☐ Yes- pulmonary infiltration
☐ Yes- other abnormality

Total length of stay:_____days