

Patient REDCap ID: \_\_\_\_\_

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 (<52 weeks only): \_\_\_\_\_ kg

WHO/ECOG Performance status: 0 | 1 | 2 | 3 | 4 | 5 | Unknown BMI:

☐ Underweight (<18.5)

☐ Moderately obese (30-34.9)

☐ Normal/healthy weight (18.5-24.9)

☐ Severely obese (35-39.9)

☐ Overweight (25-29.9)

☐ Very severely obese (≥40)

**Comorbidities:**

☐ Current smoker

☐ Congestive heart failure

☐ Asthma

☐ Dementia

☐ Current cancer disease

☐ Diabetes Mellitus

☐ CKD (Moderate/Severe)

☐ Hypertension

☐ COPD

☐ Myocardial Infarction

☐ Congenital abn (cardiac)

☐ Peripheral Vascular Dis

☐ Congenital abn (non cardiac)

☐ Stroke/TIA

☐ Other: \_\_\_\_\_

Laboratory test | CT thorax | Other: \_\_\_\_\_

**Tests performed to investigate SARS-CoV-2 status:**

	CT (neg)	CT (pos)	Swab (neg)	Swab (pos)
4-7 days prior surgery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1-3 days prior surgery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Urgency of surgery:**

Immediate | Urgent | Expedited | Elective

**If a cancer operation WAS performed:**

If **emergency cancer surgery** was required, why?

☐ Gastro-intestinal obstruction

☐ Bleeding

☐ Sepsis

☐ Tumour progression

☐ Organ perforation

☐ Other: \_\_\_\_\_

**Anaesthesia:** Local | Regional | General

**Operation performed?** \_\_\_\_\_

**Approach:** Open | Minimally invasive | Converted to open

3. Surgical **intent:** Curative | Palliative | Non-curative, life-prolonging

**Did this represent a change to your typical operative approach in the pre-COVID-19 era?**

☐ No change to operative approach

☐ Yes, chose to avoid minimally invasive surgery related to COVID

☐ Yes, chose to avoid open surgery related to COVID-19

**Resection margin status:** R0 | R1 | R2 | Unknown

**Environment in which patient cared for:**

**Operative theatre** – Designated COVID theatre | Designated non-COVID theatre | No designation for theatre

**ITU** – Designated COVID treatment area | Designated non-COVID treatment area | No designation for this area

**Postop ward**– Designated COVID ward | Designated non-COVID ward | No designation for this ward

**Did any change to treatment occur due to the COVID-19 pandemic** (operated patients)?

No change to care, no neoadjuvant Rx | No change – neoadjuvant equivalent to pre-COVID | Delay to definitive Rx | Expedited definitive surgery | Change in choice of operation | Op performed in alt. hospital | IR procedure before surgery, not typically indicated | Neoadj treatment, not typically indicated | No Neoadj, typically indicated | Neoadj treatment longer than typical | Neoadj treatment shorter than typical | Adj treatment, not typically indicated | No adj, typically indicated | Other: \_\_\_\_\_

**Neoadjuvant therapy**

Chemotherapy | Radiotherapy | Targeted therapy | Immunotherapy | Hormonal/Non-hormonal treatment | Other: \_\_\_\_\_

**If re-imaged before surgery, was there response to neoadjuvant treatment:** Not re-imaged | Re-imaged, partial response | Re-imaged, complete response | Re-imaged, progression

**COVID-19 post-operatively** (30 days): Yes – lab test | Yes – CT thorax | Yes– clinical only | No

If yes: Inpatient | Required Admission | Community

**Mortality:** Died on table | d0-7 | d8-30 | Alive still in hosp 30d | transferred | discharged to rehab | discharged home

**Re-operation:** Yes | No

**Post-op intensive care:** No | planned from theatre | unplanned from theatre | unplanned from ward

(If no/unplanned from ward): **Would post-operative ICU bed have been planned pre-COVID-19 era?** Yes, not available ~ COVID | Yes, not available (other) | No

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

**Did surgeons contract COVID-19** (30-days): Yes | No

**If a cancer operation WAS performed:**

**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 infraction

☐ Wound dehiscence

☐ Patient choice to avoid surgery during pandemic

☐ MDT decision to delay surgery due to risk to patient

☐ Ongoing neoadjuvant treatment

☐ No bed / intensive care space / theatre space

☐ Change of recommendations in society guidelines related to COVID-19

☐ Other: \_\_\_\_\_

☐ Patient choice to avoid surgery during pandemic

☐ MDT decision to delay surgery due to risk to patient

☐ Disease progression, surgery no longer indicated

☐ Change in clinical status unrelated to cancer e.g. MI

☐ Died awaiting surgery

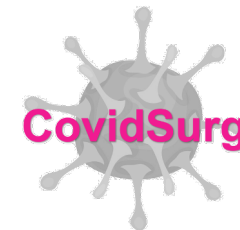
☐ Change of recommendations in society guidelines

☐ Other: \_\_\_\_\_



## Case Report Form CovidSurg

NB: Complete this CRF only for patients that are eligible for **both** studies (operated cancer patients with COVID-19 infection)



Patient REDCap ID: \_\_\_\_\_

### COVID-19 Patient Information

#### BCG/Tuberculosis(TB) status

Vaccine - <15yrs ago | Vaccine – 15>yrs ago | TB diagnosis <15yrs ago | TB diagnosis >15yrs ago | Close contact with individual with known TB <15yrs ago | Close contact with individual with known TB >15yrs ago | No previous BCG vaccine/TB exposure | BCG vaccination/TB exposure unknown

#### Findings at admission:

- |   |  |
|---|--|
| <input type="checkbox"/> Abdominal pain | <input type="checkbox"/> Haemoptysis     |
| <input type="checkbox"/> Dyspnoea       | <input type="checkbox"/> Myalgia         |
| <input type="checkbox"/> Cough          | <input type="checkbox"/> Nausea/vomiting |
| <input type="checkbox"/> Diarrhoea      | <input type="checkbox"/> Sputum          |
| <input type="checkbox"/> Fatigue        | <input type="checkbox"/> Other: _____    |
| <input type="checkbox"/> Fever >38C     |  |

### COVID-19 Preoperative Investigations

#### Last available data from before surgery:

Resp rate: \_\_\_\_\_ rpm Heart rate: \_\_\_\_\_ bpm  
Systolic BP: \_\_\_\_\_ mmHg Diastolic BP: \_\_\_\_\_ mmHg

#### Tests performed to investigate SARS-CoV-2 status:

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4-7 days prior surgery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1-3 days prior surgery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Day of surgery (preop)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
After surgery (during index admission)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
After discharge from index admission (within 30 days of surgery)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### How was SARS-CoV-2 confirmed?

- ☐ Positive swab – result received before surgery  
☐ Positive swab – result received after surgery  
☐ CT scan of chest confirming COVID-19 – before surgery  
☐ CT scan of chest confirming COVID-19 – after surgery  
☐ Clinical diagnosis/chest X-Ray – before surgery  
☐ Clinical diagnosis/chest X-Ray – after surgery

#### Pre-op investigations:

Haemoglobin: \_\_\_\_\_ g/L WCC: \_\_\_\_\_ 10<sup>9</sup>/L CRP: \_\_\_\_\_ mg/L

#### Pre-op x-ray:

- ☐ 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

### Management

#### Time from admission to operation (pre-op delay)

<6 hrs | 6-23 hrs | 24-47 hrs | 48-71 hrs | 72+hrs

### COVID-19 Treatment

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

#### Patient received during index admission?

- |   |   |
|---|---|
| <input type="checkbox"/> Antibiotics        | <input type="checkbox"/> IV Immunoglobulins |
| <input type="checkbox"/> Antivirals         | <input type="checkbox"/> Interferon         |
| <input type="checkbox"/> Quinine/derivative | <input type="checkbox"/> IL-6 blocker       |
| <input type="checkbox"/> 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:

- |                                       |   |
|---------------------------------------|---|
| <input type="checkbox"/> None         | <input type="checkbox"/> Non-invasive ventilation |
| <input type="checkbox"/> Low-flow O2  | <input type="checkbox"/> Invasive vent            |
| <input type="checkbox"/> High-flow O2 | <input type="checkbox"/> ECMO                     |

#### Post-op respiratory support:

- |                                       |   |
|---------------------------------------|---|
| <input type="checkbox"/> None         | <input type="checkbox"/> Non-invasive ventilation |
| <input type="checkbox"/> Low-flow O2  | <input type="checkbox"/> Invasive vent            |
| <input type="checkbox"/> High-flow O2 | <input type="checkbox"/> ECMO                     |

#### Duration of post-op mechanical ventilation:

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