

# Case Report Form CovidSurg-Cancer

NB: Additional data points may be required for specific cancer types



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

- Comorbidities:**
- ☐ Current smoker
  - ☐ Asthma
  - ☐ 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: \_\_\_\_\_

## Cancer-specific details:

**Location:** Colon | Rectal | Gastric | Oesophageal | Lung | Liver | Pancreatic | Soft-tissue sarcoma | Bony sarcoma | Head or neck | Oral or maxillofacial | Kidney | Bladder | Prostate | Uterine | Ovarian | Breast

Baseline **staging at decision** for surgery:

**T** stage: T1 | T2 | T3 | T4 | unknown

**N** stage: N0 | N1 | N2 | unknown

**M** stage: M0 | M1 | unknown

Date of cancer **diagnosis**: \_\_\_\_/\_\_\_\_/\_\_\_\_

Date of **decision** for curative surgery: \_\_\_\_/\_\_\_\_/\_\_\_\_

## Was the initial MDT (tumour board) decision for primary surgical treatment?

Yes – decision for surgical Rx (optimal treatment option) | Yes – decision for surgical Rx (compromised option due to COVID-19) | No – decision for non-surgical Rx (optimal treatment option) | No – decision for non-surgical Rx (compromised option due to COVID-19)

## Did the patient have an operation related to this cancer during the 3-month study window? No / Yes

### If a cancer operation WAS performed:

Date of **surgery**: \_\_\_\_/\_\_\_\_/\_\_\_\_

Was **COVID-19** suspected at time of surgery? Yes | No  
Was **COVID-19 screening** performed preoperatively?  
Laboratory test | CT thorax | Other: \_\_\_\_\_

### 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

**Surgical intent:** Curative | Palliative

### Post-operative histology:

**T** stage: T1 | T2 | T3 | T4 | unknown

**N** stage: N0 | N1 | N2 | unknown

**M** stage: M0 | M1 | unknown

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

### 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 | 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 | No adj, typically indicated | Other: \_\_\_\_\_

Details of neoadj Rx: \_\_\_\_\_

**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
- ☐ 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

### If NO operation was performed (by 3 months from study entry)

Is there **still** a plan for curative surgery? Yes | No

**Why** was no operation performed in the 3 months?

If still plan for surgery:

- ☐ 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

If no ongoing plan for surgery:

- ☐ 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: \_\_\_\_\_

Has the cancer been **re-staged**? No | Yes

If so, date \_\_\_\_/\_\_\_\_/\_\_\_\_

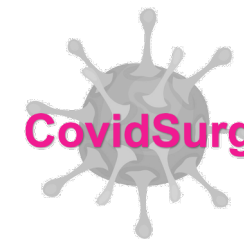
**T** stage: T1 | T2 | T3 | T4 | unknown

**N** stage: N0 | N1 | N2 | unknown

**M** stage: M0 | M1 | unknown

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

No change to care – delayed/cancelled other reason | Operation cancelled because of COVID-19 | Operation delayed because of COVID-19 | Change in Rx strategy | IR procedure before/instead of surgery, not typically indicated | Neoadj treatment, not typically indicated | No Neoadj, typically indicated | Neoadj treatment longer than typical | Neoadj treatment shorter than typical | Less access to staging procedures | Less access to staging investigations | 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

#### How was COVID-19 diagnosis made:

☐ Lab test ☐ CT thorax ☐ Clinical only

#### When was COVID-19 diagnosis made:

- ☐ Before surgery  
☐ Index admission (up to 30-days)  
☐ After discharge (up to 30-days)

#### Symptoms 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:

**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:** \_\_\_\_\_  $10^9/L$   
**CRP:** \_\_\_\_\_ mg/L **Albumin:** \_\_\_\_\_ g/L  
**Urea:** \_\_\_\_\_ mmol/L or  $\mu\text{mol/L}$   
**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

### 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 ventilation     |
| <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 ventilation     |
| <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+