

# Cancer Report Form CovidSurg-Cancer- Renal

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 | 5 | Unknown  
**BMI:**

- ☐ Underweight (<18.5)  
☐ Normal/healthy weight (18.5-24.9)  
☐ Overweight (25-29.9)  
☐ Moderately obese (30-34.9)  
☐ Severely obese (35-39.9)  
☐ Very severely obese (≥40)

## Comorbidities:

- ☐ Current smoker  
☐ Asthma  
☐ Current cancer disease  
☐ CKD (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:

### Tumour type

- ☐ Renal parenchymal lesion  
☐ Upper urinary tract urothelial lesion – renal pelvis  
☐ Upper urinary tract urothelial lesion – ureter

### Baseline clinical or radiological T-stage:

**T stage:** Tx | Tis | T1 | T1a | T1b | T2 | T2a | T2b | T3 | T3a | T3b | T3c |

**T4** | Unknown **N stage:** N0 | N1 | N2/3 | unknown

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

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

Date of **initial treatment decision** : \_\_\_\_/\_\_\_\_/\_\_\_\_

**Tumour size (cm) :** \_\_\_\_\_ **Venous tumour thrombus** ☐ Yes ☐ No

**Mayo level:** Renal vein only | Level 1 | 2 | 3 | 4

**Was a renal mass biopsy performed?**

- ☐ No, related to COVID-19 pandemic ☐ No, unrelated to COVID-19 ☐ Yes

**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:** \_\_\_\_/\_\_\_\_/\_\_\_\_

**Initial treatment planned by MDT/tumour board/surgeon**

Active surveillance | Partial nephrectomy | Radical nephrectomy |

Ablation | Stereotactic Ablative Radiosurgery (SABR)

**Op performed in:** Dedicated COVID-free hospital | Dedicated COVID Rx hospital | Undesignated hospital type with ED | Undesignated hospital type without ED | Other: \_\_\_\_\_

**COVID-19 CRITCON level:** 0 | 1 | 2 | 3 | 4 | 5

Did the patient have a **\*resolved\* COVID-19 infection** before the time of surgery? Yes – lab test/CT thorax | Clinical suspicion | No

Was **COVID-19 screening** performed preoperatively?

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

Did patient have mandatory self-isolation before surgery?

Yes, > 2 weeks | Yes - < 2 weeks | No

**COVID-19** suspected at time of surgery? Yes | No

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

	CT	CT	Swab	Swab
	(neg)	(pos)	(neg)	(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"/>

**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: \_\_\_\_\_

**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

**Minimally invasive surgery type:** Laparoscopic | Robot-assisted

**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  
**Surgical intent:** Curative | Palliative

**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

**Renal/upper urothelial tract: Histology**

ccRCC | pRCC type 1 | pRCC type 2 | chRCC | cdRCC | Oncocytoma | AML | Upper urinary tract urothelial cancer | Other: \_\_\_\_\_

**Post-operative histology:**

**T stage:** Tx | Tis | T1 | T1a | T1b | T2 | T2a | T2b | T3 | T3a | T3b | T3c | **T4** | Unknown **N stage:** N0 | N1 | N2 | unknown

**M stage:** M0 | M1 | unknown **Tumour size (cm) :** \_\_\_\_\_

**Venous tumour thrombus** ☐ Yes ☐ No

**Mayo level:** Renal vein only | Level 1 | 2 | 3 | 4

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

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

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

**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  
☐ Other: \_\_\_\_\_

**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  
☐ Change to alternative treatment modality  
☐ Other: \_\_\_\_\_

Has the cancer been **re-staged**? No | Yes **If so**, date \_\_\_\_/\_\_\_\_/\_\_\_\_

**T stage:** Tx | Tis | T1 | T1a | T1b | T2 | T2a | T2b | T3 | T3a | T3b | T3c | T4 | Unknown **N stage:** N0 | N1 | N2 | unknown

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

**Was there any metastatic disease progression**

- ☐ Progressive disease (>30% increase) ☐ Stable disease

**Tumour size (cm) :** \_\_\_\_\_ **Venous tumour thrombus** ☐ Yes ☐ No

**Mayo level:** Renal vein only | Level 1 | 2 | 3 | 4

**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: \_\_\_\_\_

## Outcomes

**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 a cancer operation WAS performed:**

**Complications:**

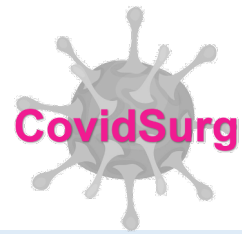
- |   |   |
|---|---|
| <input type="checkbox"/> Acute kidney injury        | <input type="checkbox"/> Pneumonia            |
| <input type="checkbox"/> ARDS                       | <input type="checkbox"/> Respiratory failure  |
| <input type="checkbox"/> Anastomotic leak           | <input type="checkbox"/>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

**(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



## 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:

	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"/>
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+