**CovidSurg**

**Case Report Form CovidSurg-Cancer**

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

**Patient REDCap ID:**

<table>
<thead>
<tr>
<th>Age: 0-4wv</th>
<th>4-52wv</th>
<th>1-9y</th>
<th>10-16y</th>
<th>17-19y</th>
<th>20-29y</th>
<th>30-39y</th>
<th>40-49y</th>
<th>50-59y</th>
<th>60-69y</th>
<th>70-79y</th>
<th>80-89y</th>
<th>90+y</th>
<th>Sex: Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ambiguous</strong></td>
<td><strong>ASA Grade:</strong></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Weight:</strong></td>
<td><strong>(&lt;52 weeks only):</strong></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WHO/ECOG Performance status:</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BMI:</strong></td>
<td><strong>□ Underweight (&lt;18.5)</strong></td>
<td>□ Moderately obese (30-34.9)</td>
<td>□ Severely obese (35-39.9)</td>
<td>□ Very severely obese (&gt;40)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>□ Normal/healthy weight (18.5-24.9)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>□ Overweight (25-29.9)</strong></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comorbidities:**

- □ Congestive heart failure
- □ Dementia
- □ Diabetes Mellitus
- □ Hypertension
- □ Myocardial Infarction
- □ Peripheral Vascular Disease
- □ Stroke/TIA
- □ Other: ________________________________________

**Cancer-specific details:**

- **Location:** Colon | Rectal | Gastric | Oesophageal | Head or neck | Lung | Liver | Pancreatic | Soft-tissue sarcoma | Bony sarcoma | Intracranial tumour (benign/malignant) | Kidney | Bladder | Prostate | Gynaecological | Breast
- **Baseline staging at decision for surgery:** T stage: T1 | T2 | T3 | T4 | unknown N stage: N0 | N1 | N2 | N3 | unknown M stage: Mo | M1 | unknown

**Date of cancer diagnosis:** __/__/__

**Date of initial treatment decision:** __/__/__

**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:**

<table>
<thead>
<tr>
<th>Date of surgery:</th>
<th><strong>/</strong>/__</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Op performed in:</strong></td>
<td>Dedicated COVID-free hospital</td>
</tr>
<tr>
<td><strong>Covid-19 CRITICON level:</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>COVID-19 suspected at time of surgery?</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CT</th>
<th>CT</th>
<th>Swab</th>
<th>Swab</th>
</tr>
</thead>
<tbody>
<tr>
<td>(neg)</td>
<td>(pos)</td>
<td>(neg)</td>
<td>(pos)</td>
</tr>
</tbody>
</table>

**COVID-19 suspected at time of surgery?**

- Yes | No

**If tests performed to investigate SARS-CoV-2 status:**

- 4-7 days prior surgery
- 1-3 days prior surgery

**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 | 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: ________________________________________

**If a cancer operation WAS performed:**

- Anaesthesia: Local | Regional | General

**Operation performed?**

- Approach: Open | Minimally invasive | Converted to open

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

- No change to operative approach | Yes, changed to minimise 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**

**Postop ward – Designated COVID ward | Designated non-COVID ward**

**Postoperative complications:**

- Re | Post-intensive care
- Deep Vein Thrombosis | DVT
- Sepsis | SSI superficial/deep
- Myocardial infarction | UTI
- Pneumonia | Septic shock
- Respiratory failure | Stroke/TIA
- Anaesthetic leak | SSI organ space
- Blood transfusion | UTE
- Cardiac arrest | Wound dehiscence
- Stroke/TIA | 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 | d1 | d2 | d3 | d4 | d5 | d6 | d7 | d8 | d9 | d10 | d11 | d12
- Alive still in hospod | transferred | discharged to rehab | discharged home

**Re-operation:** Yes | No

**Post-op intensive care:** Yes | No

**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: ________________________________________

**If no ongoing plan for surgery:**

- Change to alternative treatment modality | Other: ________________________________________

**Total length of hospital stay:** _____ days

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Additional data points may be required for specific cancer types.
Case Report Form CovidSurg

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

COVID-19 Preoperative Investigations

Last available data from before surgery:
- Resp rate: _____ bpm
- Heart rate: _____ bpm
- Systolic BP:_____ mmHg
- Diastolic BP:_____ mmHg

Tests performed to investigate SARS-CoV-2 status:

<table>
<thead>
<tr>
<th>4-7 days prior surgery</th>
<th>CT (neg)</th>
<th>CT (pos)</th>
<th>Swab (neg)</th>
<th>Swab (pos)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3 days prior surgery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Day of surgery (preop)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>After surgery (during index admission)</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>After discharge from index admission (within 30 days of surgery)</td>
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</table>

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:_____10^9/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

COVID-19 Treatment

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

Patient received during index admission?
- Antibiotics
- Antivirals
- Quinine/derivative
- 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
- Low-flow O2
- High-flow O2

Post-op respiratory support:
- None
- Low-flow O2
- High-flow O2

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

Management

Time from admission to operation (pre-op delay)
- <6 hrs | 6-23 hrs | 24-47 hrs | 48-71 hrs | 72+hrs