

Baseline Form

[1-1] During which study period was the patient operated: [a] Period 1; [b] Period 2; [c] Period 3; [d] Period 4

[1-2] Age at surgery: [a] 0-4 weeks; [b] 5-52 weeks; [c] 1-4y; [d] 5-9y; [e] 10-17y | [f] 18-29y; [g] 30-39y; [h] 40-49y; [i] 50-59y; [j] 60-69y; [k] 70-79y; [L] 80-89y; [m] ≥90y

[1-3] Sex:
 [a] Female
 [b] Male

[1-4] Revised Cardiac Risk Index:

Please tick all that apply

- [a] History of ischemic heart disease
- [b] History of congestive heart failure
- [c] History of cerebrovascular disease
- [d] Pre-operative treatment with insulin
- [e] Pre-operative creatinine >2 mg/dL / 176.8µmol/L
- [f] None of the above

[1-5-1] Respiratory Comorbidities:

Please tick all that apply

- [a] Asthma
- [b] COPD
- [c] Other respiratory comorbidity

[1-5-2] if yes, detail: _____

- [d] None of the above

[1-6] ASA:

- [a] Grade 1
- [b] Grade 2
- [c] Grade 3
- [d] Grade 4
- [e] Grade 5

[1-7] Smoking status:

- [a] No - never smoked
- [b] No - exsmoker, stopped ≥ 6 weeks ago
- [c] No - stopped in the last 6 weeks
- [d] Yes - current smoker

Intraoperative Form**[3-1] Urgency of surgery:**

- [a] Elective (planned admission for surgery)
- [b] Emergency (unplanned admission)

[3-2] Day-case surgery:

- [a] Performed as day-case (no overnight admission)
- [b] Performed with overnight admission
(overnight admission can include nights spent in hospital either before and/or after surgery)

[3-3] Procedure: _____

[3-4] Anaesthesia:

Please tick all that apply

- [a] General anaesthesia
- [b] Epidural anaesthesia
- [c] Spinal anaesthesia
- [d] Nerve block
- [e] Local anaesthesia

[3-5-1] Indication for surgery:

- [a] Benign disease
- [b] Malignancy

[3-5-2] was this surgery planned to be:

- [a] Curative surgery
- [b] Palliative surgery

- [c] Trauma
- [d] Obstetric
- [e] Complication of COVID-19

[3-5-3] if yes, detail complication:

[3-6] Operative approach:

- [a] Planned open surgery
- [b] Planned and performed as minimally invasive surgery
- [c] Minimally invasive surgery converted to open
- [d] Hybrid surgery (e.g. laparoscopic abdomen, open chest)

[3-7-1] How was the MAJORITY of the cost of surgery supported?

- [a] Insurance provided by the government (national or regional level)
 - [b] Insurance provided by employer (or household members' employer)
 - [c] Insurance that the patient has privately arranged and paid for
 - [d] Insurance but unknown how this was arranged
 - [e] External funds or grants awarded by charities/ NGOs
 - [f] Out of pocket payments (patient paid the hospital directly)
 - [g] Other
- [3-7-2]** if yes, detail: _____

[3-8] Was dexamethasone given at anaesthetic induction before surgery

- [a] No
- [b] Yes

[3-9] Was dexamethasone given anytime after surgery up to 30 days postoperative?

Please tick all that apply

- [a] No
- [b] Yes – as treatment for COVID-19
- [c] Yes – for reasons unrelated to COVID-19

Patient REDCAP No: _____

30-day Outcomes Form**[4-1] How was follow-up completed**

Please tick all that apply

- [a] Inpatient hospital records
- [b] Post-discharge in-person clinic follow-up
- [c] Post-discharge telephone follow-up

[4-2-1] Mortality

- [a] Alive at 30 days
- [b] Died in-hospital, within 30 days of surgery
- [c] Died after discharge, within 30 days of surgery

[4-2-2] If patient died, what was the cause of death:

[4-3] Complications:

Please refer to definitions in protocol appendix

Please tick all that apply

- [a] Pneumonia
- [b] Acute respiratory distress syndrome
- [c] Unexpected ventilation
- [d] Pulmonary embolism
- [e] Deep vein thrombosis
- [f] None of the above

[4-4] Clavien-Dindo:

- [a] No complications
- [b] Grade I
- [c] Grade II
- [d] Grade IIIa/b
- [e] Grade IVa/b
- Grade V (Please note: this option will not appear on REDCap, as patient should be recorded as having died in question 4-2-1)

SURG-WEEK
 PROSPECTIVE INTERNATIONAL COHORT STUDY

CRF version 2: 1 October 2020

COVID-19 free surgical pathway

[2-1] Was the patient operated in a hospital which admits patients for treatment of COVID-19?

- [a] No
 [b] Yes

[2-2-1] Was the patient operated in a completely segregated COVID-19 free surgical pathway? Definition on REDCap

- [a] Yes
 [b] No

[2-2-2] If no, for each of the following areas where the patient received the following care, were they:

- [a] Dedicated COVID-19 free area, with no mixing with patients treated for suspected or confirmed COVID-19
- [b] Partial or no segregation from area with patients treated for suspected or confirmed COVID-19
- [c] Not applicable (patient did not enter this area)

- [i] Preoperative ward or admissions area: [a] or [b] or [c]
 [ii] Operating theatre: [a] or [b] or [c]
 [iii] Postoperative recovery area: [a] or [b] or [c]
 [iv] Critical area: [a] or [b] or [c]
 [v] Postoperative ward: [a] or [b] or [c]

Self-isolation

[2-3-1] Was patient asked to self-isolate?

- [a] No
 [b] Yes – asked to self-isolate **BEFORE** hospital admission for surgery only
 [c] Yes – asked to self-isolate **AFTER** discharge from hospital only
 [d] Yes – asked to self-isolate **BOTH** BEFORE hospital admission for surgery and **AFTER** discharge from hospital

If patient was asked to self-isolate:

[2-3-2] Duration of self-isolation BEFORE hospital admission:
 _____ days (max 30 days)

[2-3-3] Duration of self-isolation AFTER discharge from hospital:
 _____ days (max 30 days)

SARS-CoV-2 status*

[2-4-1] SARS-CoV-2 infection

- [a] No SARS-CoV-2 infection
 [b] Yes – preop diagnosis (at **ANY** time before surgery)
 [c] Yes – postop diagnosis (within 30 days after surgery)

If SARS-CoV-2 was diagnosed:

[2-4-2] How was the SARS-CoV-2 confirmed? (tick all that apply)

- [a] SARS-CoV-2 swab (PCR) test
 [b] Rapid antigen test
 [c] IgG antibody test
 [d] IgM antibody test
 [e] CT thorax scan
 [f] Clinical diagnosis based on history and examination

If SARS-CoV-2 diagnosis pre-operatively:

[2-4-3] How long before surgery was SARS-CoV-2 diagnosed?

- [a] Day of surgery (before induction of anaesthesia)
 [b] 1-7 days before surgery
 [c] 8-14 day before surgery
 [d] 15-28 days before surgery
 [e] 5-6 weeks before surgery
 [f] 7-8 weeks before surgery
 [g] 3-4 months before surgery
 [h] 5-6 months before surgery
 [i] More than 6 months before surgery

[2-4-4] At the time when the SARS-CoV-2 infection was diagnosed did the patient have any COVID-19 symptoms?

- [a] Yes – but all symptoms had resolved before surgery
 [b] Yes – some symptoms were ongoing on the day of surgery
 [c] No – the patient did not have symptoms

[2-4-5] Did they required hospital treatment for SARS-CoV-2

- [a] No
 [b] Yes - did **NOT** require non-invasive / mechanical ventilation
 [c] Yes - required non-invasive or mechanical ventilation

If preoperative SARS-CoV-2 was symptomatic:

[2-4-6] What symptoms did the patient have? (tick all that apply)

- [a] Respiratory symptoms (e.g. cough, shortness of breath)
 [b] Non-respiratory symptoms (e.g. fever, diarrhoea, fatigue)

If SARS-CoV-2 diagnosed more than 7 days before surgery based on a SARS-CoV-2 swab (PCR) or rapid antigen test:

[2-4-7] Did the patient have a repeat SARS-CoV-2 swab (PCR) or rapid antigen test after their initial diagnosis, up 7 days preceding surgery?

- [a] No
 [b] Yes – most recent result was positive
 [c] Yes – most recent result was negative

Screening for SARS-CoV-2 in the 7 days before surgery

[2-5-1] Were any of the following used to screen the patient for SARS-CoV-2 in the 7 days before surgery?

- [a] CT thorax scan
 [b] Chest x-ray
 [c] SARS-CoV-2 swab (PCR) test
 [d] Rapid antigen test
 [e] SARS-CoV-2 antibody test
 [f] Clinical screening (history, examination)
 [g] None of the above

If SARS-CoV-2 swab (PCR) or rapid antigen tests were performed within 7 days preceding surgery:

[2-5-2] For SARS-CoV-2 test(s) performed within 7 days preceding surgery, what were the the test result(s)?

- [a] Negative result(s) only
 [b] Positive result(s) only
 [c] Multiple tests with them having both negative and positive results

[2-5-3] Timing of the most recent NEGATIVE test preceding surgery (0-7 days before surgery): _____ days

Was this a: [a] SARS-CoV-2 swab (PCR) test; [b] rapid antigen test

[2-5-4] Timing of the most recent POSITIVE test preceding surgery (0-7 days before surgery): _____ days

Was this a: [a] SARS-CoV-2 swab (PCR) test; [b] rapid antigen test

***Please complete the form based on the FIRST time the patient had a positive SARS-CoV-2 test result (swab / rapid antigen / antibody test).**

If the patient has not had a positive SARS-CoV-2 test result, please complete based on the FIRST time they were diagnosed with SARS-CoV-2 clinically or based on CT scan.