

Patient REDCAP No:

Preoperative form

Age ____ yRS (months if <1y) Sex Male Female Height ____ cm

Weight ____ kg Gestational age (if <1y) ____ weeks

ASA grade I II III IV V

Smoking status

- Never smoked Current smoker/ex-smoker (<6 weeks)
 Ex-smoker (>6 weeks)

Clinical Frailty Score (if>16y)

- 1 2 3 4 5 6 7 8 9

Co-morbidities (tick all that apply)

- Ischemic heart disease Congestive Heart Failure
 Cerebrovascular disease Chronic kidney disease
 NIDDM (Diabetes Mellitus) IDDM (Diabetes Mellitus)

Did the patient have a test for SARS-CoV-2 in the 72h before surgery?

- Yes - PCR Yes - Lateral flow No

Did the patient have any symptoms related to inguinal hernia before surgery?

- Yes No

If yes, time since first symptoms (until now) _____ (months)

Date of diagnosis _____ (dd/mm/yyyy)
 At birth (neonate 28d) As an infant (up to 1y)

Date of decision for surgery _____ (dd/mm/yyyy)
 Date of surgery _____ (dd/mm/yyyy)

Was the patient able to do daily activities while waiting for surgery (work, school, or family duties)?

- Yes (completely) Some, but not all No, not at all

Site of hernia Left Right Bilateral

Size of inguinal hernia (largest one if bilateral)

- Limited to inguinal region Limited to scrotum
 Extend to mid-thigh Extend to knee or beyond

Intraoperative form

Indication for surgery

- Asymptomatic Symptomatic
 Incarcerated Obstruction
 Strangulated

Urgency of surgery

- Elective Emergency

If emergency, was the patient already on the elective waiting list for surgery? Yes No

Mode of Anaesthesia (main one)

- Local Sedation (e.g., midazolam)
 General Inhaled TIVA
 Regional (spine-related / regional nerve block)

If general inhaled, what was the agent used?

- Sevoflurane Halothane
 Desflurane N₂O Isoflurane

Was the anaesthesia given by the professional who repaired the hernia?

- Yes No (eg anaesthetist / anaesthetic nurse / technician)

WHO checklist? Yes No

Prophylactic antibiotic? Yes No

Primary Operator

- Senior surgeon (Cons. or Attending)
 Trainee surgeon Non-surgeon

If senior surgeon, what was the speciality?

- General surgeon Urology
 Paediatric surgeon Other

If non-surgeon:

- Medical practitioners
 Non-medical practitioners

How many inguinal hernias were performed by the primary surgeon prior to this?

- 0-50 51-100 101-200 ≥201

Operative approach

- Open Laparoscopic
 Laparoscopic converted to open
 Robotic Robotic converted to open

Size of inguinal hernia *

- ≤ 1.5cm ≤ 3cm >3cm
 Not known

Bowel resection Yes No

Mesh used?

- Yes No

Type of hernia repair:*

If mesh used:

- Lichtenstein PHS (bilayer) TIPP
 TREPP Plug and patch
 MIS: TAPP TEP
 Other _____

If no mesh:

- Primary herniotomy
 Desarda Bassini Shouldice
 Other _____

If mesh used:

Country of manufacture: _____

Not known

Type of mesh:

- Permanent synthetic Composite
 Absorbable synthetic Biological
 Was hernia fixed with excess mesh which was re-sterilised and re-used?

- Yes No

Suture used to fix the mesh to inguinal ligament:

- Absorbable Non-absorbable
 Not fixed Glue Tackers

Operative contamination

- Clean. Clean-Contaminated
 Contaminated Dirty

Were reusable gowns used in this procedure?

- Yes - All scrubbed staff
 Yes - Some scrubbed staff No

Were reusable drapes used in this procedure? Yes No

Was recycling of waste performed? (select all that apply)

- Yes (paper) Yes (plastic)
 Yes (glass) No

Patient REDCAP No:

Postoperative form

30-day follow-up

Yes – Telephone Yes - In-person No

30-day surgical site infection

Yes, without readmission within 30-days
 Yes, with readmission within 30-days
 No

30-day reoperation

Yes
 No

If reoperated, what was the reason for reoperation?

Early recurrence
 Bleeding
 Injury to the vas deferens
 Other _____

Post-operative length of stay

Same day discharge
 Admitted

If admitted, what was the number of days inpatient?

(considering day after surgery as day 1, if the patient has not been discharged prior to the end of 30-day follow-up, enter '31')

_____days

Overall Clavien-Dindo complication

None Grade I
 Grade II Grade IIIa
 Grade IIIb Grade IVa
 Grade IVb Grade V

Please see the data dictionary in the Appendix for detailed definitions.

Download from: <https://bit.ly/3WdJLQg>



*** Please find some helpful definitions below:**

Size of inguinal hernia: refers to the size of the defect, 1 finger breath being equivalent to 1.5cm defect

TIPP: transinguinal preperitoneal technique

TREPP: transrectus sheath preperitoneal technique

MIS: Minimally invasive surgery

TAPP: transabdominal preperitoneal technique

TEP: totally extraperitoneal technique

Absorbable sutures: vicryl, polysorb, dexion, monocryl, biosyn, caprosyn, PDS, Maxon

Non-absorbable sutures: prolene, nylon