



ELIGIBILITY & PATIENT CHARACTERISTICS

Age in years _____ <i>completed years at laparoscopy</i>	Sex at birth ☐ Male ☐ Female	Lap / lap-assisted / robotic procedure able to visualise lower anterior abdominal wall & pelvis? ☐ No ☐ Yes	Prior extensive abdominal wall repair or LATI-H repair? ☐ No ☐ Yes <i>(exclude if Yes)</i>
Height _____ cm Weight _____ kg <i>within 1 yr / 3 months of index op</i>	Smoking status ☐ Never ☐ Current ☐ Ex <6 wk ☐ Ex 6 wk-1 yr ☐ Ex >1 yr		Previous abdominal / pelvic surgery ☐ No ☐ Lap / robotic only ☐ Any open procedure
Performance status ☐ Asymptomatic, independent & ambulatory ☐ Symptomatic, independent & ambulatory ☐ Symptomatic, in bed <50% day ☐ Symptomatic, in bed >50% (not bedbound) ☐ Bedbound		Occupation classification ☐ Not employed / in study ☐ Managers / directors / senior ☐ Professional ☐ Associate professional ☐ Administrative / secretarial ☐ Skilled trades ☐ Caring / leisure / service ☐ Sales / customer service ☐ Process / plant / machine ☐ General labour ☐ Full-time study ☐ Part-time / Other	
Long-term health conditions <i>(tick all / none)</i> ☐ None ☐ Previous MI ☐ Ischaemic heart disease ☐ Peripheral vascular disease ☐ Congestive cardiac failure ☐ Cerebrovascular disease ☐ Dementia ☐ Previous TIA / stroke ☐ COPD ☐ Peptic ulcer disease ☐ HIV / AIDS ☐ Diabetes Mellitus ☐ Mild liver disease ☐ Mod / severe liver disease ☐ Cancer, no metastases ☐ Lymphoma / leukaemia ☐ Rheumatologic disease ☐ Inflammatory bowel disease ☐ Metastatic cancer ☐ Chronic kidney disease ☐ Venous thromboembolism ☐ Connective tissue disorder ☐ Fibromyalgia ☐ Chronic pain syndrome		NYHA class ☐ I ☐ II ☐ III ☐ IV CKD stage ☐ I ☐ II ☐ IIIA ☐ IIIB ☐ IV ☐ V Diabetes ☐ Type I ☐ II - diet ☐ II - tablet ☐ II - insulin	
Anti-platelet / anti-coagulant? ☐ No ☐ Yes → ☐ Aspirin ☐ Clopidogrel ☐ Ticagrelor ☐ Prasugrel ☐ Dipyridamole ☐ Ticlopidine ☐ Warfarin ☐ Rivaroxaban ☐ Dabigatran ☐ Apixaban ☐ Edoxaban ☐ Argatroban ☐ Abciximab ☐ Tirofiban		Immunosuppression (non-cancer) ☐ No ☐ Oral steroids ☐ Oral DMARDs ☐ Biologics Active cancer / treatment ☐ No ☐ Curative ☐ Palliative ☐ End-of-life	

GYNAECOLOGICAL / OBSTETRIC HISTORY

Does the patient menstruate? ☐ Yes ☐ No – hysterectomy ☐ No – post-menopausal ☐ No – contraceptive ☐ No – perimenopausal ☐ No – hormone / endocrine	Pelvic inflammatory disease? ☐ Yes – treated ☐ Yes – not treated ☐ No Endometriosis? ☐ Yes ☐ No	Previous pregnancy ☐ Yes – not currently pregnant ☐ Yes – currently pregnant ☐ No – never	Gravidity (≥26 wk) _____ Parity (≥38 wk) _____ All singleton? ☐ Yes ☐ Twins ☐ Triplets ☐ Other
No. previous caesarean sections _____ Any emergency? ☐ Yes ☐ No	Caesarean dates (MM/YYYY) 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____		

SURGICAL HISTORY & INCISION CHARACTERISTICS

No. previous abdominal / pelvic operations <i>(incl C-sections)</i> _____ Any open / converted to open / extraction port? ☐ Yes ☐ No Date of last operation _____	Previous operation types <i>(tick all)</i> ☐ C-section ☐ Hysterectomy ☐ Appendicectomy ☐ Hernia repair ☐ Cholecystectomy ☐ Colorectal resection ☐ Bariatric surgery	☐ Liver resection ☐ Pancreatic resection ☐ Oophorectomy / BSO ☐ Laparotomy (other) ☐ Laparoscopy (other) ☐ Other	Open incision types <i>(tick all)</i> ☐ Midline ☐ Paramedian ☐ Gridiron ☐ Kocher ☐ McBurney ☐ Lanz ☐ Chevron / Rooftop	☐ Mercedes-Benz ☐ Transverse (abdo) ☐ Rutherford Morison ☐ Pfannenstiel ☐ Joel-Cohen ☐ Other	C-section incision ☐ Pfannenstiel ☐ Joel-Cohen ☐ Transverse (other) ☐ Midline ☐ Oblique ☐ Other
Closure of previous caesarean / lower transverse incision ☐ Anterior fascia only (posterior not closed) ☐ Anterior + posterior fascia closed ☐ Bulk closure anterior (posterior not closed) ☐ Not documented ☐ Other					

Eligibility: include adults ≥18 yrs undergoing laparoscopic / lap-assisted / robotic surgery where the lower anterior abdominal wall & pelvis can be visualised, with an assessor who has completed the LATITUDE-1 module. **Exclude** open procedures (or where pneumoperitoneum cannot be established), patients already included / returning to theatre, and prior extensive abdominal wall or LATI-H repair.

SYMPTOMS, INVESTIGATIONS & IMPACT ON LIFE

Symptoms (pelvic cause / lower abdominal interparietal or other abdominal wall hernia) (tick all) ☐ None ☐ Pain / difficulty bowel movements ☐ Pain while urinating ☐ Lower abdominal pain ☐ Lower back pain ☐ Bulge / lump lower abdomen ☐ Pressure / heaviness ☐ Nausea / vomiting ☐ Pain / difficulty bowel symptoms ☐ Bowel obstruction symptoms ☐ Cosmetic concerns ☐ Bloating ☐ Diarrhoea / faecal urgency ☐ Difficulty conceiving ☐ Deep dyspareunia ☐ Other			Referred / assessed for symptoms? ☐ Yes – seen in clinic ☐ Yes – awaiting ☐ Yes – declined ☐ No – never Imaging / diagnostic laparoscopy ☐ None ☐ USS ☐ MRI ☐ CT ☐ Diagnostic / therapeutic lap Cause identified / investigation findings (tick all) ☐ Normal – no cause ☐ Endometriosis ☐ PID ☐ Rectal prolapse ☐ Vaginal / uterine prolapse ☐ Adenomyosis ☐ Ovarian cyst ☐ LATI-H ☐ Incisional hernia ☐ Inguinal hernia ☐ Femoral hernia ☐ Other abdo wall hernia ☐ Colorectal cancer ☐ Free fluid ☐ Other		
Cyclical? ☐ Yes ☐ No Onset (month) – first _____ pelvic pain _____ stabbing / back			Symptoms attributable to incisional hernia? ☐ Yes ☐ No		

Regular long-term analgesia (*prescribed & taken in community — not acute; tick all*)

☐ None	☐ Tramadol	☐ Nefopam	☐ Gabapentin
☐ Paracetamol	☐ Tapentadol	☐ Amitriptyline	☐ Buprenorphine
☐ Ibuprofen	☐ Hydromorphone	☐ Nortriptyline	☐ Methadone
☐ Other NSAID	☐ Morphine / Diamorphine	☐ Fluoxetine	☐ Carbamazepine
☐ COX-2 inhibitor	☐ Oxycodone	☐ Duloxetine	☐ Other
☐ Codeine / DHC	☐ Fentanyl	☐ Pregabalin	

Occupation change due to symptoms? ☐ No ☐ Changed ☐ Left

Caring responsibilities? ☐ No ☐ Changed ☐ Stopped

WHODAS-12 — in the past 30 days, how much effect have these symptoms had on...

Domain	None	Mild	Mod	Severe	Extreme	Domain	None	Mild	Mod	Severe	Extreme
Standing ~30 min	○	○	○	○	○	Washing whole body	○	○	○	○	○
Household responsibilities	○	○	○	○	○	Getting dressed	○	○	○	○	○
Learning a new task	○	○	○	○	○	Dealing with strangers	○	○	○	○	○
Community activities	○	○	○	○	○	Maintaining a friendship	○	○	○	○	○
Emotionally affected	○	○	○	○	○	Day-to-day work	○	○	○	○	○
Concentrating ~10 min	○	○	○	○	○	Walking ~1 kilometre	○	○	○	○	○

INTRAOPERATIVE DETAILS & LAPAROSCOPY FINDINGS

ASA grade ☐ I ☐ II ☐ III ☐ IV ☐ V Operative urgency ☐ Elective (planned) ☐ Expedited (within days) ☐ Emergency – urgent (hours) ☐ Emergency – immediate (minutes)	Operative approach ☐ Laparoscopic / robotic ☐ Lap / robotic assisted (pneumo established) ☐ Converted to open (pneumo established) ☐ Converted to open (pneumo not established) — <i>exc</i> ☐ Open — <i>exclude</i>	Indication for laparoscopy (ICD-10) _____ Knife to skin _____ End of operation _____ Intraoperative findings ☐ None – normal laparoscopy ☐ Abdominal wall hernia / lower-third adhesions ☐ Other non-hernia pathology
Hernia type ☐ LATI-H ☐ Other incisional ☐ Incisional ventral ☐ Port-site ☐ Umbilical ☐ Inguinal ☐ Paraumbilical	Zanellato grade (LATI-H) _____ Defect – Height _____ cm Width _____ cm No. defects _____ Adhesions ☐ No ☐ Yes – film ☐ Yes – dense	Hernia contents (tick all) ☐ Empty sac ☐ Small bowel ☐ Ovary ☐ Adhesions ☐ Large bowel ☐ Bladder ☐ Omentum ☐ Uterus ☐ Other ☐ Mesentery ☐ Fallopian tube

LATI-H /adhesion intervention **Mobilisation:** ☐ No ☐ Blunt dissection ☐ Diathermy / sharp **Repair:** ☐ No ☐ Reduction only ☐ Suture repair ☐ Component separation **Mesh:**
☐ No ☐ Synthetic non-absorbable ☐ Synthetic absorbable ☐ Biological ☐ Hybrid **Placement:** ☐ On-lay ☐ Inlay ☐ Interposition ☐ Retrorectus ☐ Preperitoneal ☐ Intraperitoneal

30-DAY OUTCOMES (Day 0 = day of operation)

Mortality within 30 days? ☐ No ☐ Yes – in-hospital ☐ Yes – out of hospital	Date in-hospital death / discharge Date out-of-hospital death	Postoperative complication ≤30 days? ☐ Yes ☐ No Reintervention ≤30 days? ☐ No ☐ Radiological ☐ Endoscopic ☐ Return to theatre	Discharge destination ☐ Home / usual residence — no new needs ☐ Home — new health / social care support ☐ Short-term community bed-based setting ☐ New care home / nursing facility
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30-Day Hernia-Specific Complications — Clavien-Dindo (I: deviation, no Rx · II: pharmacological · IIIa: intervention, no GA · IIIb: intervention + GA · IVa: ICU single-organ · IVb: ICU multi-organ · V: death)

Complication	None	I	II	IIIa	IIIb	IVa	IVb	Death	Complication	None	I	II	IIIa	IIIb	IVa	IVb	Death
Seroma	○	○	○	○	○	○	○	○	Pain	○	○	○	○	○	○	○	○
Surgical site infection	○	○	○	○	○	○	○	○	Mesh infection	○	○	○	○	○	○	○	○
Wound dehiscence	○	○	○	○	○	○	○	○	Mesh explant	○	○	○	○	○	○	○	○
Repair dehiscence	○	○	○	○	○	○	○	○	Enteric / EC fistula	○	○	○	○	○	○	○	○
Haematoma / bleeding	○	○	○	○	○	○	○	○	Mesh migration	○	○	○	○	○	○	○	○
Urinary retention	○	○	○	○	○	○	○	○	Bowel obstruction	○	○	○	○	○	○	○	○
Bowel injury	○	○	○	○	○	○	○	○	Bladder injury	○	○	○	○	○	○	○	○

Notes: