

Supplemental Digital Content 2. Procedure-specific estimates of the risk factors (age, gender, preoperative chronic pain intensity) for the development of worst postoperative pain intensity (numeric rating scale, NRS 0-10) directly derived from the random-effect model; obtained by combining fixed and random effects for each procedure.

Type of surgery	Regression coefficient (95% CI)								
	Preoperative chronic pain (NRS 0-10)			Age (decades)			Female gender		
Shoulder ligaments (open)	0.16	0.14	0.19	-0.17	-0.22	-0.13	0.34	0.26	0.42
Tonsillectomy	0.09	0.06	0.11	-0.27	-0.31	-0.23	0.27	0.19	0.35
Appendectomy (open)	0.13	0.10	0.15	-0.24	-0.28	-0.19	0.29	0.21	0.37
Cholecystectomy (open)	0.10	0.07	0.12	-0.26	-0.31	-0.22	0.27	0.19	0.35
Total knee replacement	0.24	0.22	0.27	-0.30	-0.34	-0.25	0.25	0.17	0.33
Incisional hernia repair (open)	0.09	0.07	0.12	-0.27	-0.31	-0.23	0.26	0.18	0.34
Vertical sleeve gastrectomy (lap)	0.15	0.12	0.18	-0.31	-0.35	-0.26	0.24	0.16	0.32
Hysterectomy (open)	0.19	0.16	0.22	-0.31	-0.36	-0.27	-	-	-
Appendectomy (lap)	0.07	0.04	0.09	-0.25	-0.30	-0.21	0.29	0.21	0.37
Shoulder ligaments (arthroscopic)	0.13	0.11	0.16	-0.31	-0.35	-0.26	0.25	0.17	0.33
Total hip replacement	0.17	0.14	0.19	-0.21	-0.25	-0.16	0.33	0.25	0.41
Hysterectomy (vaginal)	0.17	0.14	0.20	-0.40	-0.44	-0.35	-	-	-
Cholecystectomy (lap)	0.07	0.04	0.10	-0.31	-0.36	-0.27	0.24	0.16	0.32
Spinal decompression	0.18	0.15	0.20	-0.18	-0.23	-0.14	0.35	0.27	0.43
Plastic reconstruction nasal septum	0.19	0.16	0.21	-0.38	-0.42	-0.33	0.20	0.12	0.28
Laminectomy (lumbar 1-2 seg)	0.10	0.08	0.13	-0.11	-0.16	-0.07	0.41	0.33	0.49
Inguinal hernia repair (open)	0.20	0.17	0.23	-0.25	-0.29	-0.20	0.30	0.22	0.38
Thyroidectomy	0.18	0.16	0.21	-0.31	-0.35	-0.27	0.25	0.17	0.33
Umbilical hernia repair (open)	0.14	0.11	0.17	-0.19	-0.24	-0.15	0.34	0.26	0.42
Closure anal fistula	0.24	0.21	0.26	-0.27	-0.31	-0.23	0.29	0.21	0.37
Mastectomy	0.18	0.15	0.21	-0.31	-0.36	-0.27	-	-	-
Inguinal hernia repair (endoscopic)	0.16	0.13	0.18	-0.42	-0.47	-0.38	0.17	0.09	0.25
Inguinal hernia repair (lap)	0.16	0.14	0.19	-0.37	-0.41	-0.32	0.21	0.13	0.29
Pilonidal sinus surgery	0.14	0.11	0.16	-0.20	-0.24	-0.15	0.36	0.28	0.44
BCT (seg. or quadrant resection)	0.15	0.13	0.18	-0.23	-0.28	-0.19	-	-	-
BCT (local. ductal. lump resection)	0.21	0.19	0.24	-0.17	-0.21	-0.12	-	-	-
Transvaginal sling suspension	0.16	0.14	0.19	-0.21	-0.25	-0.17	-	-	-
Varicose veins surgery	0.17	0.14	0.20	-0.24	-0.28	-0.19	0.33	0.25	0.41

Transurethral resection of prostate	0.16	0.14	0.19	-0.25	-0.29	-0.20	-	-	-
Transurethral resection of bladder	0.26	0.23	0.28	-0.27	-0.31	-0.22	0.30	0.23	0.38

Age categories: 18-20. 21-30. 31-40. 41-50. 51-60. 61-70. 71-80. and > 80years

BCT = breast conservative therapy

lap = laparoscopic

NRS = numeric rating scale

seg = segmental