Supplementary article data

Factors that can predict pain with walking, 12 months after total knee arthroplasty

A trajectory analysis of 202 patients

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Table 3. Differences in demographic and clinical characteristics between the Recurrent Interference and Continuous Improvement classes based on an evaluation of pain-related interference with walking

	Recurrent Interference [a] (n = 45)	Continuous Improvement [a] (n = 157)	Statistics p-value	95% CI	Effect size
Demographic characteristics					
Age, years	67 (11)	68 (9)	0.6	−2.5 to 4.6	0.11 [b]
Men, % (n)	33 (15)	31 (49)	0.8	−0.13 to 0.17	−0.02 [c]
Women, % (n)	67 (30)	69 (108)			
Lives with partner, % (n)	62 (28)	60 (94)	0.8	−0.14 to 0.19	−0.02 [c]
Lives alone, % (n)	38 (17)	40 (63)			
Paid work, % (n)	40 (18)	34 (54)	0.5	−0.11 to 0.22	−0.05 [c]
No paid work, % (n)	60 (27)	66 (103)			
Higher education, % (n)	51 (23)	51 (79)	1.0	−0.16 to 0.17	−0.002 [c]
Lower education, % (n)	49 (22)	49 (75)			
Preoperative clinical characteristics					
BMI	30 (5.5)	29 (4.5)	0.09	−3.0 to 0.2	0.29 [b]
C-reactive protein, mg/L	3.9 (3.1)	3.1 (2.9)	0.1	−1.8 to 0.3	0.27 [b]
Number of comorbidities	1.3 (1.1)	1.1 (0.9)	0.06	0.06 to 0.07	0.20 [b]
ASA score	2.1 (0.5)	2.0 (0.5)	0.2	0.17 to 0.18	0.21 [b]

[a] Values are mean (SD) unless otherwise stated
[b] Cohen's d effect sizes: Small ≥ 0.2; Medium ≥ 0.5; Large ≥ 0.8.
[c] Phi effect sizes: Small ≥ 0.1; Medium ≥ 0.3; Large ≥ 0.5.
ASA: American Society of Anesthesiologists.

Table 4. Differences in pain characteristics and perioperative characteristics between the Recurrent Interference and Continuous Improvement classes based on an evaluation of pain-related interference with walking

	Recurrent Interference [a] (n = 45)	Continuous Improvement [a] (n = 157)	Statistics p-value	95% CI	Effect size
Pain characteristics					
Average pain prior to surgery	5.9 (1.5)	5.1 (1.8)	0.005	−1.4 to −0.4	0.47 [b]
Worst pain prior to surgery	6.5 (1.7)	5.2 (2.1)	< 0.001	−2.0 to −0.6	0.62 [b]
Total pain interference prior to surgery	5.5 (1.9)	4.1 (1.9)	< 0.001	−2.0 to −0.8	0.71 [b]
Number of painful sites prior to surgery	2.9 (2.2)	1.9 (1.5)	0.003	0.001 to 0.003	0.43 [b]
Number of painful sites 12 months after surgery	2.4 (1.3)	1.8 (1.1)	0.02	0.014 to 0.019	0.34 [b]
Contralateral knee pain 12 months after surgery					
No, % (n)	70 (33)	73 (77)			
Yes, % (n)	30 (14)	27 (29)	0.8	−0.19 to 0.14	0.025 [c]
Perioperative characteristics					
Side of surgery					
Left knee, % (n)	47 (21)	49 (77)			
Right knee, % (n)	53 (24)	51 (80)	0.8	−0.19 to 0.14	0.02 [c]
Type of anesthesia					
Regional, % (n)	76 (34)	90 (141)			
Total intravenous, % (n)	24 (11)	10 (16)	0.01	−0.28 to −0.008	0.17 [c]
Length of surgery, min	66 (15)	65 (13)	0.7	−5.5 to 3.6	0.07 [b]
Number of days with epidural analgesia	1.5 (1.0)	1.8 (0.7)	0.10	0.09 to 0.10	0.37 [b]
Number of days with continuous femoral block	0.7 (1.0)	0.2 (0.7)	< 0.001	< 0.001 to < 0.001	0.54 [b]
Number of days with ketamine	0.4 (0.7)	0.1 (0.4)	0.02	0.014 to 0.019	0.33 [b]
Average dose of opioids over 4 days	15.7 (10.1)	12.3 (6)	0.006	−5.8 to −1.0	0.25 [b]

[a] Values are mean (SD) unless otherwise stated
[b] Cohen's *d* effect sizes: Small ≥ 0.2; Medium ≥ 0.5; Large ≥ 0.8.
[c] Phi effect sizes: Small ≥ 0.1; Medium ≥ 0.3; Large ≥ 0.5.