

Table 3. **Outcomes of Included Studies**

Authors/Year	No. of Subjects at Follow-up		Primary Clinical Outcome	Secondary Clinical Outcome	Additional Findings
	PNB	Control			
Dold et al/2014 ¹⁶	56	40	Postoperative pain (0-10) in PACU PNB 0/15/30/45/60 min: 2.60/3.33/3.63/3.16/ ^c 2.48 (^c <i>P</i> = .02) Control 0/15/30/45/60 min: 3.51/4.10/4.55/4.15/ ^c 3.68 (^c <i>P</i> = .02)	Morphine eq. dose, mg PNB (intraoperative): 2.72, Control (intraoperative): 8.05 (<i>P</i> = <.0001) PNB (PACU): 2.04, Control (PACU): 4.00 (<i>P</i> = .025) Oxycodone consumption (SDCU), mg PNB: 8.21 (SD, 5.83), Control: 9.88 (SD, 5.13) Postoperative N/V, % PNB: 41.1, Control: 32.5 PACU discharge time, min PNB: 85.96 (SD, 29.79), Control: 81.53 (SD, 26.07) Maximum reported postoperative pain score in SDCU (scale, 0-10) PNB: 3.95, Control: 4.95 (<i>P</i> = .018)	Admitted as inpatient, % PNB: 0.0, Control: 5.0 Complications, n (%) PNB: 0 (0%), Control: 2 (5%, admission for inadequate pain control)
Krych et al/2014 ²⁷	30	N/A	Postoperative pain (NRS, 0-10) in PACU: 3.5 VAS pain score, mean Day 0/1/2/3/4/5: 4.7/4.7/4.6/4.0/3.9/3.4 NRS Pain Scores (0-10), mean Activity Day 0/1/2/3/4/5: 4.8/4.4/4.1/3.5/3.6/3.2 Rest Day 0/1/2/3/4/5: 3.1/2.9/2.7/2.4/2.4/2.1 Overall Day 0/1/2/3/4/5: 3.9/3.6/3.4/2.9/3.0/2.7	PACU pain requirements Oral opioids (n = 6), IV opioids only (n = 2), IV and oral opioids (n = 20), no opioids (n = 2) Postoperative N/V, %: 10 Antiemetic administered, %: 0 Time from skin closure to discharge, min: 199	Admitted as inpatient, %: 0 Complications, n (%) 0 (0%) Tabs Vicodin taken, mean no. Day 0/1/2/3/4/5: 1.5/1.2/1.3/1.0/1.1/0.9 Overall satisfaction with postoperative pain control, % (4-point Likert scale): very satisfied: 67 satisfied: 33
Nye et al/2013 ²⁸	175	N/A	(Postoperative pain not reported)	Mean procedure time, min: 127.6	Admitted as inpatient, %: 0.5 Complications, % Significant complications: 3.8 Local anesthetic systemic toxicity: 0.9 Epidural spread: 0.5 Neuropathy: prolonged sensory/motor deficits, 9.4 (6.6% resolved, 2.8% >6 months) Fall: 0.5 Catheter issues: leaking at site, 22; tenderness, 9.7; minor bleeding, 2.9; rash, 1.1; redness, 0.6; infections, 0
Schroeder et al/2013 ¹⁷	118 ^b	118 ^b	^a Immediate postoperative pain (0-10) in PACU PNB: 0 (IQR, 0-3.0), Control: 0 (IQR, 0-5.5) (<i>P</i> = 0.0007)	^a Morphine eq. dose, mg Intraoperative: PNB: 5.0 (IQR, 2.5-7.0), Control: 7.5 (IQR, 5.0-10.0) (<i>P</i> = <.0001) Intraoperative + block: PNB: 7.5 (IQR, 5.6-10.0), Control: 7.5 (IQR, 5.0-10.0) Phase I: PNB: 3.3 (IQR, 0-5.8), Control: 5.0 (IQR, 2.0-8.0) (<i>P</i> = .002) Phase II: PNB: 1.7 (IQR, 0-3.3), Control: 1.7 (IQR, 0-3.3) Ketorolac % administered OR or PACU PNB: 22.6, Control: 41.1 (<i>P</i> = .0008) PACU antiemetic administered, % of patients PNB: 32.3, Control: 50.8 (<i>P</i> = .032) ^a Postoperative time, min PNB: 240 (IQR, 183.5-299.5), Control: 217.5 (IQR, 175.5-264.5) (<i>P</i> = .044) Maximum reported postoperative pain score in PACU (0-10): PNB: 5.0 ^a (IQR, 2.0-6.0), Control: 5.3 (SE, 0.2) (<i>P</i> = .018) ^a Day 1 pain (0-10): PNB (n = 98): 2.5 (IQR, 1.2-4.0), Control (n = 92): 2.5 (IQR, 2.0-4.0)	^a OR fentanyl, mcg: PNB: 100.0 (IQR, 50.0-100.0), Control: 100.0 (IQR, 100.0-100.0) (<i>P</i> = .0006) ^a OR hydromorphone, mg PNB: 0 (IQR, 0-0.4), Control: 0.5 (IQR, 0.4-0.8) (<i>P</i> < .0001) Modified Harris Score: 2 weeks: PNB (n = 96) 52.0 (SE, 2.0), Control (n = 91) 54.1 (SE, 2.0) 6 weeks: PNB (n = 92) 69.5 (SE, 2.0), Control (n = 102) 71.4 (SE, 1.8) 12 weeks: PNB (n = 84) 75.7 (SE, 2.0), Control (n = 97) 83.0 (IQR, 66.0-95.7) 24 weeks: PNB (n = 55) 78.8 (SE, 2.3), Control (n = 75) 81.3 (SE, 2.0)
Ward et al/2012 ²⁹	20	16	(Postoperative pain not reported)	Postoperative N/V, % of patients PNB: 10, morphine: 75 (<i>P</i> = <.001) PACU discharge time, min PNB: 177.85 (SD, 17.34), morphine: 216.00 (SD, 19.48) (<i>P</i> < .0001)	Mean traction time, min PNB: 31.25 (SD, 5.098), morphine: 28.46 (SD, 5.547) Overall satisfaction (postoperative day 1), % PNB: 90, morphine: 25 (<i>P</i> < .0001)
YaDeau et al/2012 ¹⁸	41	41	Postoperative pain (NRS, 0-10) at rest PACU: PNB 3.3 (SD, 2.2), Control 4.2 (SD, 1.8) (<i>P</i> = .048) 24 hours: PNB (n = 40) 3.1 (SD, 1.7), Control (n = 40) 3.3 (SD, 2.3) 6 months: PNB (n = 33) 1.1 (SD, 1.7), Control (n = 37) 0.7 (SD, 1.1) Postoperative pain (NRS, 0-10) with movement PACU: PNB 4.0 (SD, 2.5), Control 5.0 (SD, 2.3) 24 hours: PNB (n = 40) 5.4 (SD, 1.6), Control (n = 40) 5.5 (SD, 2.4) 6 months: PNB (n = 33) 2.5 (SD, 2.4), Control (n = 37) 2.1 (SD, 2.2)	Morphine eq. dose, mg PNB (PACU): 21 (SD, 17), Control (PACU): 29 (SD, 21) Postoperative N/V, % of patients ^c PNB: 34, Control: 20 Antiemetic use, % of patients PACU: PNB 12, Control 12 By 24 hours: PNB 20, Control 24 PACU discharge time, min PNB: 216 (SD, 86), Control: 187 (SD, 59) Neuropathic pain at 6 months, % PNB (n = 34): 3, Control (n = 38): 3	Admitted as inpatient, % PNB: 2.4, Control: 4.9 Complications, n (%) PNB: 1 (2.4%, admission for epidural spread/urinary retention), Control: 2 (4.9%, admission for oxygen desaturation, intractable pain and nausea) Morphine eq. dose total analgesic usage, mg (postoperative day 1) PNB: 28 (SD, 21), Control: 28 (SD, 28) Overall satisfaction (0-10), 24 hours PNB (n = 35): 8.6 (SD, 1.6), Control (n = 38): 7.9 (SD, 2.5) Short Form 8 at 24 h Physical: PNB (n = 40) 30 (SD, 8.3), Control (n = 39) 29 (SD, 8.1) Mental: PNB (n = 40) 56 (SD, 8.9), Control (n = 39) 56 (SD, 7.3) Quality of recovery 40 at 24 hours Physical comfort (max 60): PNB (n = 40): 53 (SD, 4.3), Control (n = 40): 52 (SD, 7.4)

^aFigure reported is median. ^bThe majority of outcomes are reported with data from all 236 patients. When data does not include all 236 patients the number of subjects is noted. ^cUsed figures reported for nausea, which assumes patients included in vomiting data were also included in nausea data. Abbreviations: IQR, interquartile range; IV, intravenous; NR, not reported; NRS, numerical rating scale; N/V, nausea/vomiting; OR, operating room; PACU, post-anesthesia care unit; PNB, peripheral nerve block; SDCU, surgery day care unit; SEM, standard error of the mean; VAS, visual analog scale.