

Table 2. Demographic Details of Included Studies

Authors/ Year	Study Type	Level of Evidence	Intervention	Control Group	No. of Patients			Age, y		Gender, n		Mean weight, kg		Mean height, m		Mean Body Mass Index, kg/m ²		ASA Status	Procedures Performed
					Baseline	Final	Follow- up	Mean	Range	Male	Female	Mean	Range	Mean	Range	Mean	Range		
Dold et al/ 2014 ¹⁶	Retrospective	III	Preoperative femoral nerve block, 15-25 mL ropivacaine (0.33%-0.75%) + GA	GA only	108	96	89%	PNB: 33.07 Control: 34.18	PNB: ±11.57 Control: ±13.30	PNB: 37 Control: 22	PNB: 19 Control: 18	PNB: 77.22 Control: 80.63	NR	PNB: 1.74 Control: 1.75	NR	PNB: 25.42 Control: 25.99	NR	PNB (I/II/III): 41/15/0 Control (I/II/III): 24/14/2)	Osteochondroplasty: 51 (PNB), 38 (control) Loose body removal: 1 (PNB), 1 (control) Labral-only procedure: 4 (PNB), 1 (control)
Krych et al/ 2014 ²⁷	Prospective	II	Fascia iliaca blockade, 40 mL 0.25% bupivacaine with 1:200,000 epinephrine	N/A	30	30	100%	34	14 to 58	7	23	NR	NR	NR	NR	NR	NR	NR	All cases: pincer resections with labral repair and cam resection with femoral neck osteochondroplasties
Nye et al/ 2013 ²⁸	Retrospective	IV	Continuous lumbar plexus block with local anesthetic	N/A	213	175	82%	37 ^a	NR	73 ^a	140 ^a	NR	NR	NR	NR	NR	NR	NR	Diagnostic arthroscopy: 206 Nondiagnostic arthroscopy: 7
Schroeder et al/ 2013 ¹⁷	Retrospective	III	Preoperative lumbar plexus block, 20-30 mL 0.5% ropivacaine with 3 mcg/mL epinephrine + GA	GA only	236	130	55%	PNB: 41.1 Control: 38.67	PNB: ±0.93 (SEM) Control: ±1.21 (SEM)	PNB: 39 Control: 47	PNB: 79 Control: 71	PNB: 77.8 Control: 78.6	PNB: ±1.7 (SEM) Control: ±2.0 (SEM)	PNB: 1.72 Control: 1.70	PNB: ±0.01 (SEM) Control: ±0.01 (SEM)	PNB: 26.3 Control: 26.8	PNB: ±0.5 (SEM) Control: ±0.6 (SEM)	PNB (median): II Control: (median): II	NR
Ward et al/ 2012 ²⁹	Prospective	II	PACU VAS pain scores 7+: Femoral nerve block, 25 mL 0.25% bupivacaine with 1:200,000 epinephrine	PACU VAS pain scores 7+: IV morphine (mean dose 7 mg)	40	36	90%	PNB: 35.8 Control: 41.75	PNB: ±11.37 Control: ±10.05	PNB: 10 Control: 5	PNB: 10 Control: 11	NR	NR	NR	NR	NR	NR	NR	Labral repair: 4 (PNB), 2 (control) Labral repair + osteoplasty: 16 (PNB), 13 (control) Gluteus medius repair: 1 (control)
YaDeau et al/ 2012 ¹⁸	Prospective	I	Single-injection lumbar plexus blockade, 30 mL 0.25% bupivacaine with 1:200,000 epinephrine + CSE	CSE only	83	82	99%	PNB: 33 Control: 37	PNB: ±11 Control: ±11	PNB: 20 Control: 21	PNB: 21 Control: 20	NR	NR	NR	NR	PNB: <25/25-30/30-35/>35: 25/11/3/2 Control: <25/25-30/30-35/>35: 26/11/4/0	NR	PNB: (I/II/III): 25/14/1 Control: (I/II/III): 26/15/0)	Operative categorization: soft tissue, femoral and acetabular osseous surgery: 28 (PNB), 27 (control) Soft tissue, and femoral or acetabular osseous surgery: 13 (PNB), 14 (control) Procedures: Labral débridement: 39 (PNB), 36 (control) Labral/capsular repair: 32 (PNB), 36 (control) Synovectomy: 32 (PNB), 27 (control) Cam decompression: 29 (PNB), 27 (control) Osteochondroplasty: 22 (PNB), 24 (control)
Totals/Frequency-weighted data					710	549	77%	PNB: 37.0 Control: 37.7		PNB: 186 Control: 95	PNB: 292 Control:120	PNB: 77.6 Control: 79.1		PNB: 1.73 Control: 1.75		PNB: 26.0 Control: 26.6		PNB: 1.32 Control: 1.41	

^aStudy presents demographic data grouped by complications; these data represent calculation for entire cohort based on provided figures.

Abbreviations: ASA, American Society of Anesthesiologists; CSE, combined spinal epidural; GA, general anesthesia; IV, intravenous; N/A, not applicable; NR, not reported; PACU, postanesthesia care unit; PNB, peripheral nerve block; SEM, standard error of the mean; VAS, visual analog scale.