

Other ketamine regimens

First author, year of publication	Validity score R/C/DB/F Total	Adults Children	Benzo yes/no	Route	bolus or cont	Surgery	Anaesthesia	Comparisons (numbers of patients analysed)	Postoperative analgesia	Duration of follow up	Authors' conclusion
Prophylactic											
[Huang, 2000]	2/1/1/0 4	Adults	no	ia/im	bolus	Knee arthroscopy	Spinal	1. NaCl postop ia (20) 2. Ketamine 0.5 mg/kg postop im (20) 3. Ketamine 0.5 mg/kg postop ia (20)	Pethidine im	24 hours	Negative
[Lee, 2002]	1/1/1/1 4	Adults	no	nb/iv	bolus	Hand	interscalene plexus block	1. No treatment (17) 2. Ketamine 30 mg preop nb (18) 3. Ketamine 30 mg preop iv (16)	Not mentioned	1 hour	Negative
[Gorgias, 2001]	1/1/1/0 3	Adults	no	iv regional anaesth	bolus	Hand	iv regional anaesth	1. NaCl (1 ml) (15) 2. Ketamine 0.1 mg/kg preop (15) 3. Clonidine 1 µg/kg preop (15)	Not mentioned	80 minutes	Positive
[Qureshi, 1995]	2/0/2/0 4	Children (2-6 years)	no	po	bolus	Suturing	sedation	1. Ketamine 10 mg/kg preop po (15) 2. Placebo preop po (15)	Not mentioned	24 hours	Positive
Therapeutic											
[Sadove, 1971]	1/0/1/0 2	Adults	no	im	bolus	Orthopaedy and abdominal	GA or spinal	1. Ketamine 0.44 mg/kg im (25) 2. NaCl im (25)	Not mentioned	1 hour	Positive
[Rosseland, 2003]	2/1/2/1 6	Adults	yes	ia/im	bolus	Knee arthroscopy	GA	1. Ketamine 10 mg ia + NaCl im (15) 2. NaCl ia + Ketamine 10 mg im (15) 3. NaCl ia + NaCl im (15)	Ibuprofen ± Acetaminophen ± Morphine iv	36 hours	Negative
[Adriaenssens, 1999]	1/0/1/0 2	Adults	yes	iv	cont	Abdominal	GA	1. Ketamine 10 µg/kg/min (5 min), 7.5 µg/kg/min (25 min), 5 µg/kg/min (15 min), 2.5 µg/kg/min (47 h) iv (15) 2. NaCl iv (15)	PCA Morphine	48 hours	Positive
[Zohar, 2002]	2/0/1/0 3	Adults	no	sc	bolus	Gynaecology	Spinal	1. Bupivacaine 1.25 mg/ml postop sc (25) 2. Bupivacaine 1.25 mg/ml + Ketamine 1 mg/ml postop sc (25)	PCA Bupivacaine ± Ketamine	24 hours	Negative
[Azevedo, 2000]	2/0/2/1 5	Adults	yes	TTS	cont	Gynaecology	Epi	1. Ketamine 25mg/24h TTS after surgery (26) 2. Placebo TTS (23)	Dipyrone im	24 hours	Positive
Prophylactic and therapeutic											
[Hercocck, 1999]	2/1/1/2 6	Adults	no	iv	bolus	Gynaecology	GA	1. Ketamine 0.3 mg/kg preop + PCA morphine + Ketamine postop iv (24) 2. NaCl bolus preop + PCA Morphine postop iv(25)	PCA Morphine ± Ketamine Paracetamol po	24 hours	Negative

Benzo: Benzodiazepine premedication; GA: General Anaesthesia; Epi: Epidural; nb: nerve block; im: intramuscular; po: per os; iv: intravenous; PCA: Patient Controlled Analgesia

ia: intra-articular; im: intramuscular; TTS: transdermal transport system; sc: subcutaneous

Validity score: R: Randomisation; C: Concealment of allocation; DB: Double-Blinding; F: Flow of patients