reference	participants' characteristics	intervention group/ control group	outcomes	critical appraisal/ conclusion
Cui et al. 2010 Systemic administration of lidocaine reduces morphine requirements and postoperative pain of patients undergoing thoracic surgery after propofol-remifentanil-based anaesthesia. Eur J Anaesthesiol. 2010 jan;27(1):41-6.	inclusion criteria - ASA physical status I–II - age 18–65 yrs -undergoing thoracic surgery lasting 3–6 h between 1 Jan to 31 Jul 2008 exclusion criteria - chronic pain - taking analgesics or opioids within 7 days of surgery - history of drug or alcohol abuse - psychiatric disorder - obesity - acute CV disorder - CNS disease - inability to communicate with investigator - contraindication(s) to propofol, opioids, lidocaine or to self administration of morphine via PCA - surgery time >6 h- immediate extubation was not planned after surgery demographic data: group L group C age (yrs) sex (m/f) 13/7 13/7 ASA status (I/II) patient flow and follow up: total patient number included: 45 randomised in: group L: 20 group C: 20 excluded: 5 analysed: 40 follow-up: 2,6,12,24,36,48 h postop	intervention prior to anaesthesia - group L: IV lidocaine (33.0 µg/kg/min) at induction, stopped at skin closure - group C (control): IV physiological saline mode of anaesthesia - propofol-remifentanil (targeted cible) surgical approach Procedure (n) Pulmonary lobectomy: Group L 7 Group C 6 Oesophagectomy: Group L 9 Group C 9 Cardiectomy: Group L 4 Group C 5 postoperative analgesia - in PACU: Titration of morphine (1.0– 2.0 mg/2 min) were given to keep the VRS-4 <2 after 2h postop: PCA morphine, 1 mg with 5 min lo, for 48 h post op	postoperative pain [VRS-4 in the first 2 h 0=no pain, 1= slight pain, 2= moderate pain, 3= intense or severe pain]	methodological shortcomings - outcomes not clearly defined - not reported how sample size was determined - no explanation of any interim analyses and/or stopping rules level of evidence: 1 authors' conclusion "Systemic administration of lidocaine could reduce morphine requirements, postoperative pain and intraoperative propofol C(e) of patients undergoing thoracic surgery after propofol-remifentanil-based anaesthesia."