

SUPPLEMENTARY TABLE 4. SUMMARY OF KEY RESULTS FROM STUDIES EVALUATING SYSTEMIC ANALGESICS, SYSTEMIC ANALGESIC ADJUNCTS AND REGIONAL ANALGESIA THAT ARE NOT RECOMMENDED INTERVENTIONS IN PATIENTS UNDERGOING CLEFT PALATE SURGERY

Study	Study design	Pain scores	Total opioid consumption	Basic analgesia and baseline analgesia
Sphenopalatine ganglion block				
Parameswaran et al. 2018 [16]	Sphenopalatine ganglion block (n=51) vs control (n=46)	No significant difference between groups	N/A	No basic analgesia; baseline analgesia: local anaesthesia infiltration
Clonidine as adjuvant to suprazygomatic maxillary nerve block				
Barbero et al. 2021 [25]	Clonidine + bupivacaine + epinephrine (n=29) vs bupivacaine + epinephrine (n=25)	No significant difference between groups	Favours clonidine + bupivacaine vs bupivacaine group	Basic analgesia: PO acetaminophen and ibuprofen; no other baseline analgesia
Dexmedetomidine as adjuvant for palatine nerve block				
Obayah et al. 2010 [24]	Dexmedetomidine + bupivacaine (n=15) vs bupivacaine (n=15)	Favours dexmedetomidine + bupivacaine vs bupivacaine group	Favours dexmedetomidine + bupivacaine vs bupivacaine group	No basic analgesia; baseline analgesia: dexamethasone peroperatively
Specific local anaesthetics (for nerve block)				
Jindal et al. 2022 [27]	Infraorbital block with levo-bupivacaine 0.375% (n=40) vs ropivacaine 0.375% (n=40)	Favours levobupivacaine vs ropivacaine group	Favours levobupivacaine vs ropivacaine group	Basic analgesia: only one dose of IV diclofenac at end of surgery; no other baseline analgesia
Mostafa et al. 2018 [26]	Suprazygomatic maxillary nerve block with levobupivacaine (n=30) vs bupivacaine (n=30)	No significant difference between groups	No significant difference between groups	No basic or baseline analgesia
Specific local anaesthetics (for infiltration)				

Jha et al. 2013 [29]	Bupivacaine (n=25) vs ketamine (n=25)	Favours ketamine vs bupivacaine group at a single time point (24h)	No significant difference between groups	No basic or baseline analgesia
Ketamine local infiltration				
Jha et al. 2013 [29]	Bupivacaine (n=25) vs ketamine (n=25)	Favours ketamine vs bupivacaine group at a single time point (24h)	No significant difference between groups	No basic or baseline analgesia
Pre-incisional infiltration with local anaesthetics				
Coban et al. 2008 [28]	Ropivacaine infiltration (10) vs control (10)	Favours ropivacaine vs control group	N/A	No basic or baseline analgesia
IV Lidocaine				
Kheirabadi et al. 2020 [34]	IV lidocaine (n=28) vs dexamethasone (n=30) vs distilled water (n=29)	Favours lidocaine vs distilled water group; no significant difference between dexamethasone and lidocaine group	N/A	No basic or baseline analgesia
IV Propofol				
Huang et al. 2022 [31]	IV infusion with propofol (n=29) vs dexmedetomidine (n=29) vs saline (n=28)	Favours propofol vs control group; favours dexmedetomidine vs propofol group	N/A	No basic analgesia; baseline analgesia: IV infusion with sufentanil
Intravenous dexamethasone				
Kheirabadi et al. 2020 [34]	IV dexamethasone (n=30) vs lidocaine (n=28) vs distilled water (n=29)	Favours dexamethasone vs distilled water group; no significant difference between dexamethasone and lidocaine group	N/A	No basic or baseline analgesia

Abbreviations: IV (intravenous); N/A (not applicable); NRS (numeric rating score); PO (per os); post op (postoperatively); VAS (visual analogue scale)