SUPPLEMENTARY TABLE 3: SUMMARY OF KEY RESULTS FROM STUDIES EVALUATING SYSTEMIC ANALGESICS, SYSTEMIC ANALGESIC ADJUNCTS AND REGIONAL ANALGESIA USED TO SUPPORT THE RECOMMENDED INTERVENTIONS IN PATIENTS UNDERGOING CLEFT PALATE SURGERY

Study	Study design	Pain scores	Total opioid consumption	Basic analgesia and baseline analgesia
Suprazygomatic maxillary nerve block				
Abu Elyazed, 2018 [12]	SMNB (n=30) vs Palatine block (n=30) vs control (n=30)	Favours SMNB vs control group; no significant difference between SMNB and palatine block group	Favours SMNB vs palatine block and control group	Basic analgesia: IV acetaminophen; no additional baseline analgesia
Chiono et al. 2014 [13]	SMNB with ropivacaine (n=28) vs SMNB with saline (n=29)	No significant difference between groups	Favours SMNB with ropivacaine vs SMNB with saline group	Basic analgesia: IV acetaminophen; baseline analgesia: IV methyl-prednisolone
Palatal nerve block				
Abu Elyazed, 2018 [12]	SMNB (n=30) vs palatine block (n=30) vs control (n=30)	Favours palatine block vs control group; no significant difference between palatine and SMNB block group	Favours SMNB vs palatine block group and control group	Basic analgesia: IV acetaminophen; no additional baseline analgesia
Jonnavithula et al. 2010 [14]	Palatine block with bupivacaine (n=14) vs saline (n=15) vs no block (n=15)	Favours palatine block with bupivacaine group and saline group vs no block group; no significant difference between palatine block with bupivacaine vs saline group	Ibuprofen and acetaminophen as rescue (favours palatine block with bupivacaine group and saline group vs no block group)	Basic analgesia: only one dose of rectal acetaminophen after intubation; no additional baseline analgesia

Kamath et al. 2009 [15]	Greater palatine nerve block (n=25) vs IV pethidine (n=25)	No significant difference between groups	Favours palatine nerve block vs IV pethidine group	No basic or baseline analgesia
Dexmedetomidine as adjuvant for suprazygomatic maxillary nerve block (SMNB)				
Mansour et al. 2021 [21]	Bupivacaine + dexmedetomidine (n=40) vs bupivacaine (n=40)	Favours bupivacaine + dexmedetomidine vs bupivacaine group	Favours bupivacaine + dexmedetomidine vs bupivacaine group	Basic analgesia: IV acetaminophen; baseline analgesia: one dose of IV dexamethasone at end of surgery
Mostafa et al. 2020 [22]	Bupivacaine + dexmedetomidine (n=40) vs bupivacaine (n=40)	Favours bupivacaine + dexmedetomidine vs bupivacaine group	IV acetaminophen as rescue (favours bupivacaine + dexmedetomidine vs bupivacaine group)	No basic or baseline analgesia
Ramasamy et al. 2022 [23]	Bupivacaine + dexmedetomidine (n=23) vs bupivacaine (n=23)	Favours bupivacaine + dexmedetomidine vs bupivacaine group	Favours bupivacaine + dexmedetomidine vs bupivacaine group	No basic or baseline analgesia
Dexmedetomidine intravenous				
Boku et al. 2016 [30]	IV infusion with dexmedetomidine (n=35) vs saline (n=35)	Favours dexmedetomidine vs saline group	N/A	Basic analgesia: rectal acetaminophen; baseline analgesia: local anaesthesia infiltration
Huang et al. 2022 [31]	IV infusion with dexmedetomidine (n=29) vs propofol (n=29) vs saline (n=28)	Favours dexmedetomidine vs propofol group and saline group	N/A	No basic analgesia; baseline analgesia: IV infusion with sufentanil
Luo et al. 2017 [32]	IV dexmedeto-midine and sufentanil (n=47) vs saline + fentanyl (n=50)	Favours dex-medetomidine + sufentanil vs saline + fentanyl group	Favours dex-medetomidine and sufentanil vs saline + fentanyl group	No basic or baseline analgesia
Surana et al. 2017 [33]	IV infusion with dexmedetomidine (n=30) vs	Favours dex-medetomidine vs midazolam group	Favours dex-medetomidine vs midazolam group	Basic analgesia: rectal acetaminophen or

	midazolam (n=30)			ibuprofen (depending on age); baseline analgesia: local anaesthesia infiltration

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