

Supplemental Material to

Opioid free anesthesia in thoracic surgery: a systematic review and meta-analysis.

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Supplementary material Table S1. Postoperative analgesia.

Supplementary material Figure S1. Sensitivity analysis for complications. Forest plot of risk ratio to develop complications comparing opioid-free anesthesia and opioid-based anesthesia.

Supplementary material Figure S2. Sensitivity analysis for morphine equivalent consumption at 48 hours . Forest plot of mean difference of morphine equivalent consumption at 48 hours comparing opioid-free anesthesia and opioid-based anesthesia.

Supplementary material Figure S3. Sensitivity analysis for length of stay in patients undergoing minimally invasive surgery. Forest plot of mean difference of length of stay comparing opioid-free anesthesia and opioid-based anesthesia.

Supplementary material Figure S4. Sensitivity analysis for pain score at 24 hours. Forest plot of mean difference of pain at 24 hours comparing opioid-free anesthesia and opioid-based anesthesia.

Supplementary material Figure S5. Sensitivity analysis to detect the source of heterogeneity in morphine equivalent consumption at 48 hours. Forest plot of mean difference of morphine equivalent consumption at 48 hours comparing opioid-free anesthesia and opioid-based anesthesia

Table S1

Study	Postoperative analgesia
Bello, 2019 [16]	<ul style="list-style-type: none"> • PCEA for 48 hours using ropivacaine 0.2% with sufentanil 0.25 mg.mL⁻¹ • Paracetamol (1 g) every 6 hours during the first 48 hours • Rescue analgesia (nefopam, tramadol, ketoprofene or morphine PCA).
Clark, 2022 [20]	<ul style="list-style-type: none"> • Gabapentin 300 mg every 8 hours • Acetaminophen 1000 mg every 8 hours • Methocarbamol 500 mg of every 6 hours • Rescue dose: 30 mg ketorolac every 6 hours
Devine, 2020 [19]	<ul style="list-style-type: none"> • Extra- pleural continuous analgesia: levobupivacaine 0.25% • Morphine PCA for the first postoperative 24 hours • Paracetamol p.o. • Ibuprofen
An, 2021 [21]	N/A
Larue, 2022 [18]	<ul style="list-style-type: none"> • Morphine • Tramadol
Selim 2021 [17]	<ul style="list-style-type: none"> • NRS>3 paracetamol (1 g) every 6 hours, nefopam (20mg) every 6 hours, ketoprofen (100 mg) every 12 • NRS 6-10 morphine sulfate (10 mg) orally, every 6 hours. • Rescu analgesia: morphine PCA

PCEA: Patient Control Epidural Analgesia; PCA: Patient Control Analgesia; N/A: Not Applicable; NRS: Numerical Rating Scale

Figure S1



Figure S2

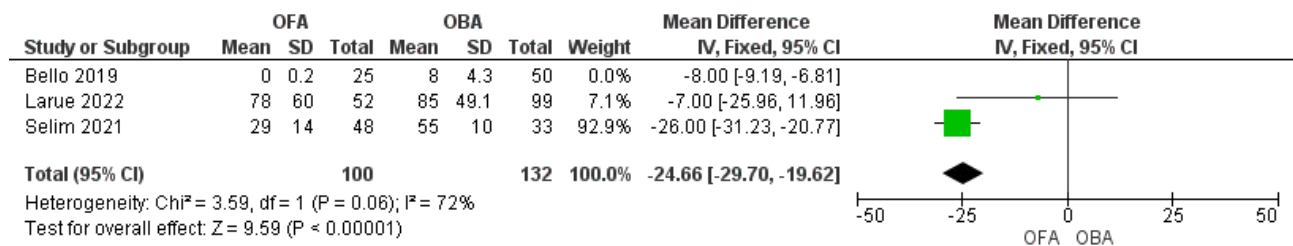


Figure S3

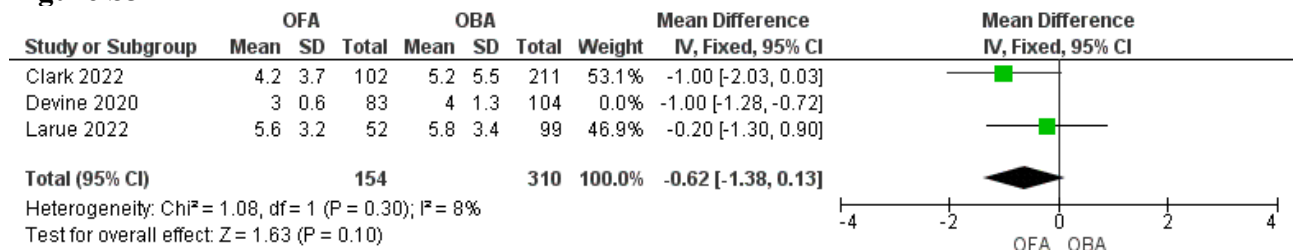


Figure S4

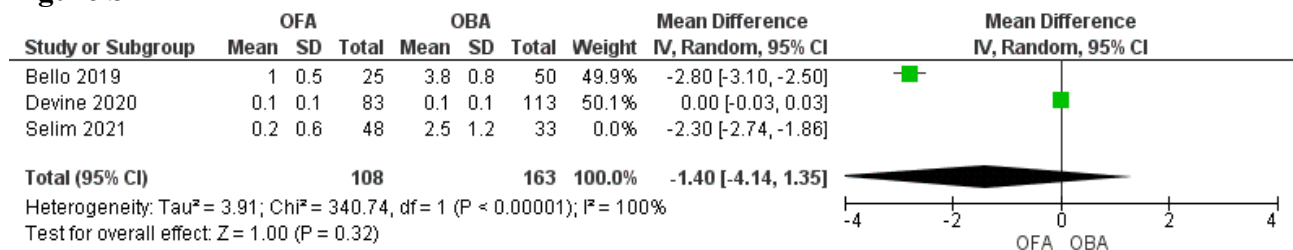


Figure S5

