









Risk factors for persistent opioid use

- genetics
- prior history of opioid use or substance abuse,
- · more painful surgical procedures,
- pre-operative or postoperative opioid dose and duration,
- underlying psychiatric disease, such as a history of depression
- extremes of age
- lower socio-economic status, lower educational level
- family history of substance-use disorder
- several of these risk factors overlap with risk factors for chronic postoperative pain.

clonidine vs placebo reduces

- analgesics consumption: 24%
- reduces nausea and vomiting: risk ratio 0.35
- improves hemodynamic stability (reduction of HR: 14.9 bpm, reduction of the MAP: 12.5 mm Hg,1 min after tracheal intubation
- prevents postoperative shivering: risk ratio: 0.17
- does not prolong awakening time

Sanchez Munoz MC, De Kock M, Forget P. What is the place of clonidine in anesthesia? Systematic review and meta-analyses of randomized controlled trials. J Clin Anesth. 2017 May;38:140-153

Dexamethasone at doses more than 0.1 mg/kg is an effective adjunct in multimodal strategies to reduce postoperative pain and opioid consumption after surgery.

- Lower pain scores at 2h and 24 h
- Less opioid use at 2h and 24h
- Longer time to first analgesic dose
- Shorter stay in PACU
- No increase in infection, delayed wound healing
- Higher glucose levels
- More perineal pruritus when pre-induction

De Oliveira GS, Jr., Almeida MD, Benzon HT, McCarthy RJ.
Perioperative single dose systemic dexamethasone for postoperative pain: a meta-analysis of RCT's.

Anesthesiology 2011; 115: 575-88

BJA 2013

Dexamethasone Corticoids in the right dose!!!

- Prevent postoperative nausea and vomiting
- Improve postoperative recovery
- Promote discharge after ambulatory surgery
- Prolongs duration of peripheral nerve blocks

<u>PACMAN</u> (Perioperative Administration of Corticotherapy on Morbidity and Mortality after Non-cardiac Surgery): no evidence of increased risk of surgical site or other infections or impaired wound healing; (0.2 mg/kg) at the end of surgery and the day after

<u>PADDI trial</u> (Perioperative Administration of Dexamethasone and Infection Trial) additionally showed safety of 8 mg of dexamethasone regarding surgical-site infection









