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Opioid Sparing Anesthesia (O.S.A.) is a multimodal analgesia ("balanced analgesia") by using array of techniques and/or drugs having different sites/mechanisms of action in order to minimize opioid-related adverse effects

**Opioid Free Anesthesia (O.F.A.) is a technique where** no intra-operative systemic, neuraxial, or intracavitary opioid is administered during the anesthetic

## **Opioid Benefits**

- **Haemodinamic stability**
- **Analgesia and little sedation**

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## **Opioid Risk**

- **Respiratory depression**
- for post-op ventilation with ventilator associated pneumonia
- Addiction
- **Nausa and vomiting**
- **Gastrointestinale disfunction, ileus**
- **Pruritus**
- **Urinary retention**
- Hyperalgesia
- Cancer
- Misuse, abuse and overuse

## Why to avoid opioid

- Negative side effect profile Respirator depression, N/V, pruritus, urinary ritention
- Immune response suppression Suppression of natural killer cells
- **Cognitive/sleep dysfuction**
- Increased risk for addiction postoperatively
- Increased risk of chronic pain

