PRACTICE RECOMMENDATONS

PRE-OPERATIVE CHECKLIST

- For cases using inhalational anesthesia, ensure that desflurane has been turned off in favor of sevoflurane or isoflurane
- CO2 absorbents are free of strong bases (NaOH, KOH)
- The minimum fresh gas flow has been estimated using an accredited formula or simulation software

INDUCTION REMINDERS

- •During intubation, leave the fresh gas flow off/vaporizer on
- •Pediatric Induction:
 - Limit nitrous oxide unless medically necessary
 - •Incorporate IV anesthetics
 - Minimize fresh gas flow for the duration of induction
 - •For a sevoflurane mask induction, use distraction techniques such as electronic media, conversation, and premedication

MAINTENANCE REMINDERS

- Minimize fresh gas flow
- Avoid nitrous oxide unless clinically preferred
- Set the vaporizer to deliver a concentration greater than intended
- Closely monitor O₂, CO₂, and anesthetic concentrations while delivering gas at minimum FGF

SUSTAINABLE ANESTHESIA

WHY IS IT IMPORTANT?

- All common inhaled anesthetics have global warming potential.
- We can reduce the global warming impact of anesthetic agents by managing fresh gas flow and inhalational agent choice.
- Anesthetic agents are a significant contributor to US healthcare CO₂ emissions

SUSTAINABILITY MEASURES

GLOBAL WARMING FOOTPRINT

SUS-02: Global Warming Footprint, Maintenance

SUS-03: Global Warming Footprint, Induction

FRESH GAS FLOW

SUS-01: Fresh Gas Flow, less than or equal to 3L/min

SUS-04: Fresh Gas Flow Less than/equal to 2 Liters per minute

SUS-06-Peds: Low Fresh Gas Flow, Pediatric Induction

NITROUS OXIDE AVOIDED

SUS-05-Peds: Nitrous Avoided, Induction

SUS-07: Nitrous Avoided



