

ANESTHESIOLOGY



BIG Decisions for Our Little Patients Mask vs. IV Inductions



300 children with 2 or more risk factors for respiratory events were randomized to mask or intravenous induction¹:

perioperative respiratory adverse events VS.
(adjusted analysis, RR 1.7; 95% CI, 1.2 to 2.3; P = 0.02)



RISK FACTORS

- Recent cough
- Night cough
- Repeated wheezing
- Exercise wheezing
- Eczema
- Passive smoke exposure
- Asthma, eczema, or hay fever in family

Existing IV or Reasonable veins No needle anxiety =

With risk factors present, an intravenous induction may be best

IV = intravenous; RR = relative risk.
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1. Ramgolam A, Hall GL, Zhang G, Hegarty M, von Ungern-Sternberg BS: Inhalational versus intravenous induction of anesthesia in children with a high risk of perioperative respiratory adverse events: A randomized controlled trial. ANESTHESIOLOGY 2018; 128:1065-74