

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)



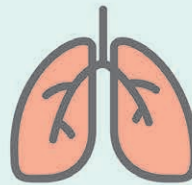
RISK FACTORS



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

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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