

[NM-135] Negative pressure pulmonary edema after laryngospasm in 7 year old child

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Negative-pressure pulmonary edema or Post Obstructive Pulmonary Edema (POPE) is an infrequent but life-threatening complication of upper airway obstruction. While well-described in the adult population, there is a paucity of literature about POPE in pediatrics. This is a low-frequency high-impact event and awareness of this condition is crucial in the perioperative setting. We present a case of a healthy seven year old male who, after severe laryngospasm on induction, developed signs, symptoms, and radiographic findings consistent with POPE. In our institution, 7,388 pediatric general anesthetics were administered in the last two years. This is the only documented case of POPE. Complications of unrecognized POPE include ARDS, pneumonia, prolonged intubation, and death. A high index of suspicion for POPE in children can assist with early identification and initiation of appropriate treatment.

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