Are High Risk Patients Affecting Your GI Endoscopy Efficiency?

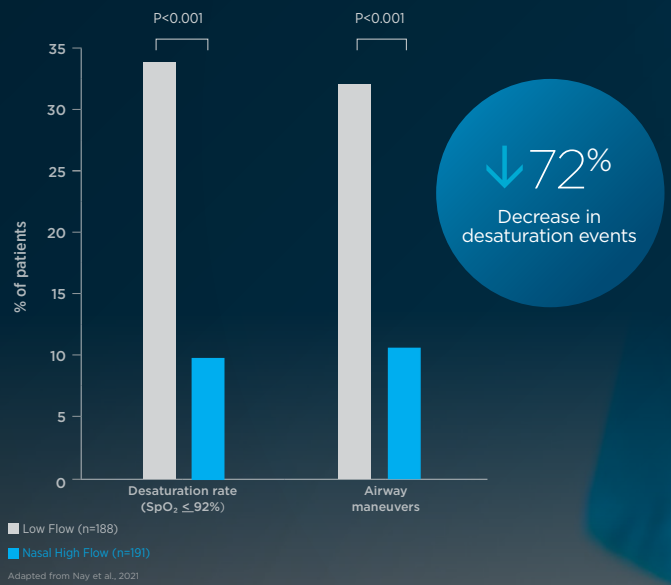
Decrease the risk of desaturation[1-4]

Reduce incidence of airway-related interventions[1,2,5]

Reduce the risk of procedural interruptions[2]

Reducing the risk of hypoxemic events might allow you to get on with your list!

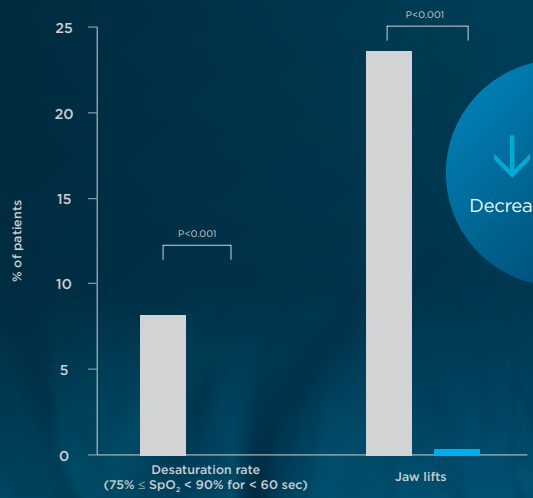
Nay et al., 2021 | High risk GI endoscopy patients[5]



↓72% Decrease in desaturation events

Adapted from Nay et al., 2021

Lin et al., 2019 | Low risk GI endoscopy patients[1]



↓97% Decrease in jaw lifts

Adapted from Lin et al., 2019

1. Lin Y et al., Gastrointest Endosc. 2019;90(4):591-601.
2. Thiruvenkatarajan V et al., Anaesthesia. 2023;78(1):81-92.
3. Hung KC et al., J Clin Anesth. 2022;77:110651.
4. Su CL et al., PLoS One. 2021;16(12):e0260716.
5. Nay MA et al., Br J Anaesth. 2021;127(1):133-42.

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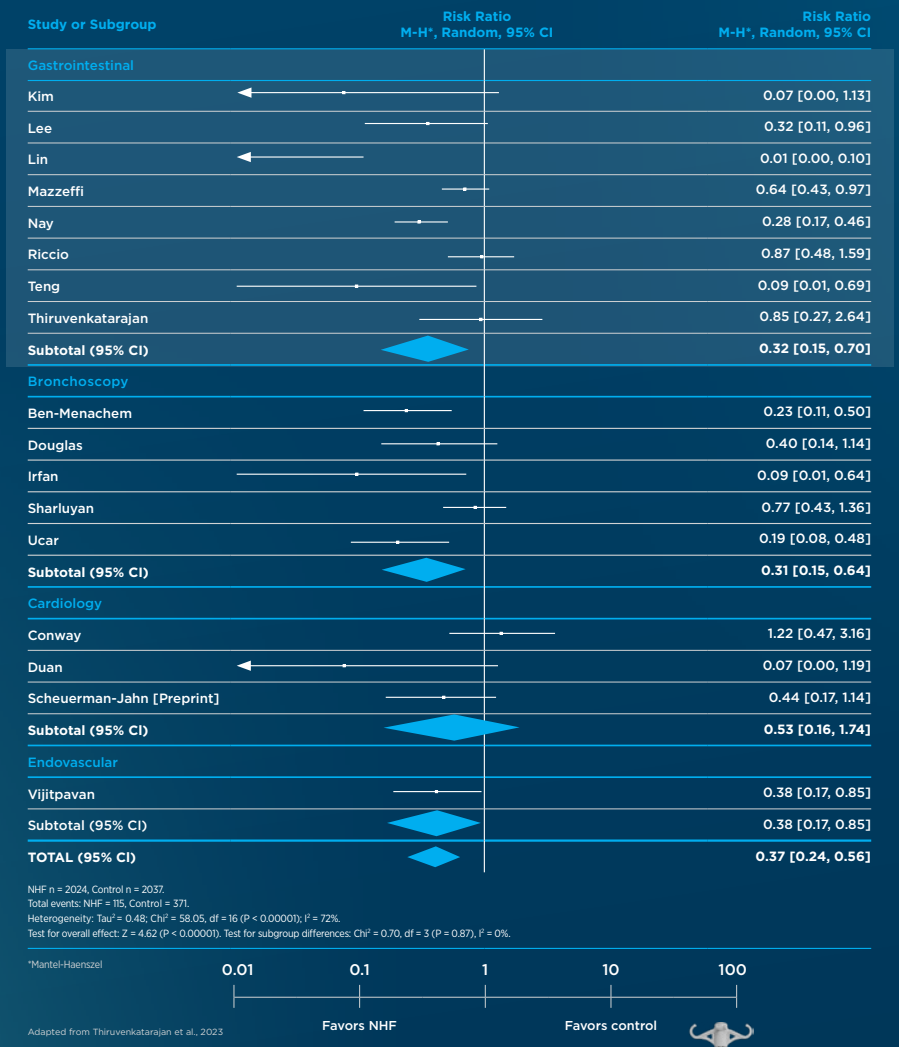
Thiruvenkatarajan et al., 2023.

Meta-analysis by Thiruvenkatarajan et al. demonstrated the efficacy of Nasal High Flow (NHF) for reducing the risk of hypoxemia and requirement for airway maneuvers and procedural interruptions.[2]

Forest plot comparing risk of hypoxemia between the Nasal High Flow (NHF) and control groups



NHF n = 2024, Control n = 2037.
Total events: NHF = 115, Control = 371.
Heterogeneity: $Tau^2 = 0.48$; $Chi^2 = 58.05$, df = 16 ($P < 0.00001$); $I^2 = 72\%$.
Test for overall effect: $Z = 4.62$ ($P < 0.00001$). Test for subgroup differences: $Chi^2 = 0.70$, df = 3 ($P = 0.87$), $I^2 = 0\%$.

*Mantel-Haenszel

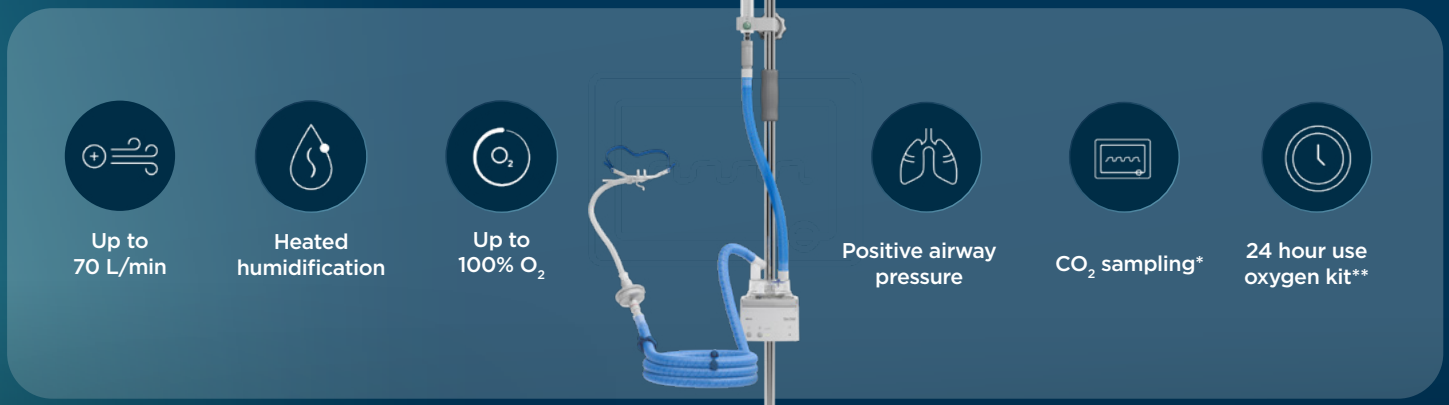
Adapted from Thiruvenkatarajan et al., 2023

Overall study results:

↓83%
Decrease in risk of procedural interruptions

↓74%
Decrease in risk of airway maneuvers

↓63%
Decrease in risk of hypoxemia



*When used at flow rates of 5-50L/min

**The Optiflow oxygen kit can be used on up to 30 patients within a 24-hour period when combined with a filtered nasal interface

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