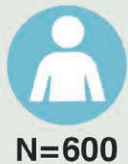


INFOGRAPHICS IN ANESTHESIOLOGY

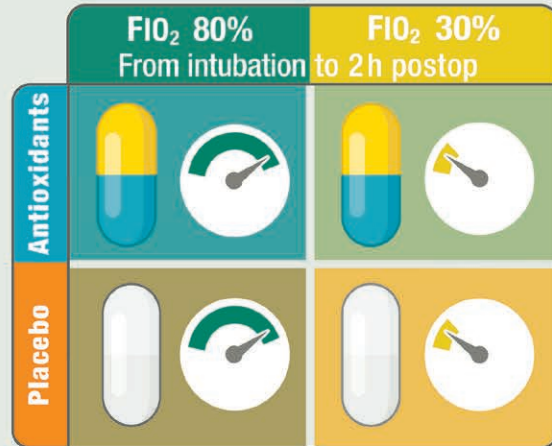
Complex Information for Anesthesiologists Presented Quickly and Clearly

Oxygen & Myocardial Injury in Noncardiac Surgery: Factoring it All in

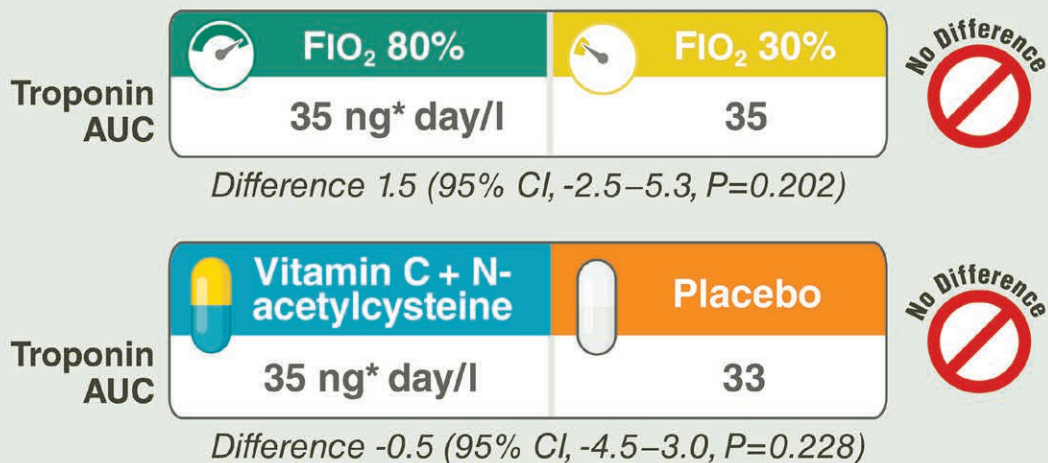
Holse *et al.*¹ conducted a 2x2 factorial blinded randomized multicenter trial of oxygen concentration (FIO₂) and use of antioxidants in reducing postop myocardial injury.



Patients were 45+ yr with cardiovascular risk factors undergoing major surgery.



Myocardial injury was measured with AUC high-sensitivity troponin during postop days 1-3.



Mortality was the secondary outcome, which was not different between groups.

Increased FIO₂ and antioxidants did not change risk of myocardial infarction in the first 3 days after surgery.

AUC, area under the curve.

Infographic created by Jonathan P. Wanderer, Vanderbilt University Medical Center, and James P. Rathmell, Brigham and Women's Health Care/Harvard Medical School. Illustration by Annemarie Johnson, Vivo Visuals Studio. Address correspondence to Dr. Wanderer: jon.wanderer@vumc.org.

1. Holse C, Aasvang EK, Vester-Andersen M, Rasmussen LS, Wetterslev J, Christensen R, Jorgensen LN, Pedersen SS, Loft FC, Troensegaard H, Mørkenborg M-L, Stisen ZR, Rünitz K, Eiberg JP, Hansted AK, Meyhoff CS, VIXIE Trial Group: Hyperoxia and antioxidants for myocardial injury in noncardiac surgery: A 2 × 2 factorial, blinded, randomized clinical trial. *Anesthesiology* 2022; 136:408–19