

Date: 1/12/2025

Study title:

Comparative Study of the Channelled Blade Astra-Vue Videolaryngoscope and the Non-Channelled CMAC D-Blade Videolaryngoscope in Airway Management: A Randomized Controlled Trial

MREC ID NO : 202569-15160

Date: 1/12/2025

Statistical Analysis Plan:

Patient Baseline Characteristics

Parameter		Test
Age (year) BMI	Continuous numeric	Mean with Standard Deviation or Median with interquarter range Check normality with Shapiro-Wilk test Independent t test if data normally distributed Mann Whitney if skewed data
Gender	2 Category /Binary	Chi-square or Fisher's exact test
Mallampati classification	3 Categories	Chisquare or Fisher-Freeman-Halton test
American Society of Anaesthesiology physical classification	3 Categories	Chisquare or Fisher-Freeman-Halton test
Mouth opening	Continuous numeric	Mean with Standard Deviation or Median with interquarter range Check normality with Shapiro-Wilk test Independent t test if data normally distributed Mann Whitney if skewed data

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Outcome

Parameter		Test
Time to Glottis Visualization, Total Time of intubation	Continuous numerical data	Independent T test or Mann Whitney U test
First pass success, overall success rate	Number/Total number (%)	Mean with Standard Deviation or Median with interquarter range Check normality with Shapiro-Wilk test Independent t test if data normally distributed Mann Whitney if skewed data
Change in mean arterial pressure from baseline, Change in heart rate from baseline	Continuous numerical	Mean with Standard Deviation or Median with interquarter range Check normality with Shapiro-Wilk test Independent t test if data normally distributed Mann Whitney if skewed data
Ease of intubation by Modified Intubation Difficulty Scale	3 Categories	Chisquare or Fisher-Freeman-Halton test