

# CS#40

## ***Airtraq Laryngoscope versus conventional Macintosh Laryngoscope: a systematic review and meta – analysis***

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Several randomised controlled trials have compared the Airtraq with the Macintosh laryngoscope, to provide greater clarity about outcomes, the authors carried out a systematic review and meta-analysis.

The results were pooled of the intubation time, the first attempt success rate, the incidence of complications and the incidence of oesophageal intubation.

A total of 133 studies were received:

The authors main result is that the **Airtraq significantly decreased intubation time** both in novice and inexperienced anaesthetists **compared with conventional Macintosh laryngoscopy**. Only in novice anaesthetists did the Airtraq significantly increase the first attempt success rate. The **Airtraq also reduced the chance of oesophageal intubation** and haemodynamic findings in three studies showed that the **Airtraq produces less haemodynamic stimulation**.