ABSTRACT

COMPARISON OF I-GEL AND LMA FASTRACH AS A CONDUIT FOR BLIND TRACHEAL INTUBATION

AIM

To compare success rate of blind tracheal intubation through two different supraglottic airway devices

1) I-GEL

2) ILMA using silicon reinforced flexometallic endotracheal tube/ PVC endotracheal tube.

OBJECTIVE

1) Evaluation of success rate of blind tracheal intubation through I-GEL and ILMA

2) To study the complications in both the techniques

METHOD

• Prospective randomised study
• 80 patients
• 2 groups- each group 40 patients
• Group A - I-GEL
• Group B- ILMA

PARAMETERS

Primary

• Ease of insertion
• Duration of successful attempts
• No. of failed attempts
• Total intubation time
First attempt success rate

Secondary

- Heart rate
- Blood pressure
- Pulse oximetry
- EtCO$_2$
- Complications

RESULTS

- Supraglottic device insertion time- least time in I-GEL
- No. of attempts for successful tracheal intubation- I-GEL took least attempts
- Supraglottic device removal time- least time in I-GEL group
- First attempt success rate for tracheal intubation- high in ILMA group
- Success rate for intubation- high in ILMA group
- Total intubation time- no statistical difference
- Complications- no statistical difference
- Hemodynamic response post intubation- no statistical difference.
- No. of attempts for supraglottic device insertion – no statistical difference
- Time for first attempt tracheal intubation- no statistical difference