

## SUMMARY

### **THE EFFECT of THE USAGE of LARYNGEAL MASK with DIFFERENT CUFF PRESSURES on INTRAOPERATIVE HEMODYNAMY and POSTOPERATIVE MORBIDITY in CURETTAGES**

**Objective:** This study was aimed to investigate and compare the effect of the inflation of LMA cuff to pressures of 40 cmH<sub>2</sub>O and 60 cmH<sub>2</sub>O on intraoperative hemodynamy and postoperative sore throat, earache, dysphonia, dysphagia, bleeding, nausea, vomitting during curettages that are short-duration operations.

**Methods:** This is a prospective, randomized study. Sixty ASA I-II female patients who would undergo elective curettage under general anesthesia were randomized to two groups. The LMA cuff was inflated to 60 cmH<sub>2</sub>O in Group I (n=30) patients and 40 cmH<sub>2</sub>O in Group II (n= 30) patients.

Preoperative basal heart rate; systolic, diastolic and mean blood pressures, SpO<sub>2</sub> values, intraoperative heart rate, systolic, diastolic and mean blood pressure, SpO<sub>2</sub> and end-tidal CO<sub>2</sub> values, laryngeal mask cuff pressure (following the LMA application at 1<sup>st</sup>, 5<sup>th</sup>, 10<sup>th</sup>, 15<sup>th</sup> and 20<sup>th</sup> minutes) values were all recorded. Also, heart rate, systolic, diastolic and mean blood pressure, SpO<sub>2</sub> values at the 20<sup>th</sup> minute of postoperative period were recorded. Sore throat, earache, dysphonia, dysphagia, bleeding, nausea, vomitting at the 20<sup>th</sup> minute of preoperative and postoperative periods were recorded.

**Results:** There were no differences between the two groups with respect to demographic characteristics of the patients, duration of operations and LMA trying periods. Also there were no differences between the two groups concerning the intraoperative hemodynamy and postoperative sore throat, earache, dysphonia, dysphagia, bleeding, nausea, vomitting.

**Conclusion:** Inflation of LMA cuff to 40 cmH<sub>2</sub>O and 60 cmH<sub>2</sub>O during curettages which are short-duration operations, did not make any differences concerning the intraoperative hemodynamy and postoperative sore throat, earache, dysphonia, dysphagia, bleeding, nausea, vomitting. Cuff pressures were measured continuously. Cuff pressures that we used can be used safely.

**Key Words:** Laryngeal Mask, cuff pressure, postoperative morbidity, intaoperative hemodynamy

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