

## The Role of Gastric Decompression on Postoperative Nausea and Vomiting in Orthognathic Surgery

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**Abstract :** Postoperative nausea and pain (PONV) are adverse effects following surgical procedures. It is especially pronounced in patients undergoing orthognathic surgery, as their mouth is closed postoperatively using wires or rubber bands. Postoperative mouth closure increases the discomfort and risk of complications associated with nausea and vomiting. Many surgeons and institutions apply gastric decompression in hopes of aspirating stomach contents and, therefore, decreasing PONV incidence. This review observed that PONV incidence was not affected by gastric decompression overall. However, the effect of gastric decompression on PONV in orthognathic surgery was variable. This paper aims to summarize the findings of gastric decompression on PONV and to determine the need for it in orthognathic surgery.

**Keywords :** gastric decompression, nasogastric tube, orthognathic surgery, postoperative nausea, vomiting

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