

# Preoperative Anxiety and Its Impact on Intraoperative Hemodynamics and Postoperative Pain, Edema, and Trismus in Orthognathic Surgery

NCT07439679

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Status	RECRUITING
Sponsor	Istanbul Medipol University Hospital
Enrollment	45 participants

## Plain Language Summary

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This study is examining how anxiety before surgery affects things that happen during and after jaw-repositioning surgery (called orthognathic surgery — surgery to correct the alignment of the jaws and teeth). Researchers want to know whether anxious patients experience different blood pressure changes during surgery and more pain, swelling, or jaw stiffness afterward.

**\*\*You may be eligible if...\*\***

- You are scheduled for a specific type of jaw surgery that corrects both the upper and lower jaw (Le Fort I and bilateral sagittal split osteotomy)
- You are in generally good health (low anesthetic risk, ASA class I or II)
- You are able to complete a questionnaire about anxiety
- You are able to give written consent

**\*\*You may NOT be eligible if...\*\***

- You have had previous jaw surgery
- You have a history of facial injury or trauma
- You have had radiation or chemotherapy to the head and neck
- You have a psychiatric disorder or take psychiatric medications
- You have a chronic illness affecting bone healing or wound recovery
- You are a smoker or have substance abuse issues
- You are pregnant or breastfeeding

Talk to your doctor to see if this trial is right for you.

## Key Eligibility Criteria

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### Inclusion (4)

- ASA physical status I or II
- Patients scheduled for bimaxillary orthognathic surgery (Le Fort I osteotomy and bilateral sagittal split ramus osteotomy)
- Ability to understand and complete the STAI questionnaire
- Provision of written informed consent

### Exclusion (9)

- Previous orthognathic surgery
- History of maxillofacial trauma
- History of radiotherapy or chemotherapy in the head and neck region
- Presence of psychiatric disorders or current use of psychiatric medications
- Chronic systemic disease affecting bone metabolism or wound healing

<https://clinicaltrials.gov/study/NCT07439679>  
... and 4 more (see full listing online)

DISCLAIMER: This document is for informational purposes only and does not constitute medical advice. Always consult your healthcare provider before enrolling in any clinical trial. Information may not be up to date — verify details at [ClinicalTrials.gov](https://clinicaltrials.gov). Generated by [ClinicalTrialsFinder.org](https://clinicaltrialsfinder.org).

## Locations (1 total)

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Istanbul Medipol University Hospital, Istanbul, Turkey (Türkiye)

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