

Comparative Efficacy Of 4 mg VS. 8 mg Submucosal Dexamethasone In Postoperative Pain Management After Dental Implant Surgery: A Randomized Double-Blind Controlled Clinical Trial

NCT07413055

Status	RECRUITING
Phase	Phase 3
Sponsor	Oman Ministry of Health
Enrollment	138 participants

Plain Language Summary

This study compares two doses of dexamethasone (a steroid given to reduce swelling and pain) — 4 mg versus 8 mg — to find out which dose better controls pain after dental implant placement surgery.

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

- You are between 21 and 80 years old (male or female)
- You are generally healthy or have only mild systemic disease (ASA I or II)
- You are having a single dental implant placed in a standard delayed or late-stage procedure

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

- You have a known allergy to any medications to be used in the study
- You smoke or drink alcohol regularly
- You are pregnant or breastfeeding
- You need bone grafting or sinus lifting as part of the implant surgery
- You require antibiotics before dental procedures (antibiotic prophylaxis)

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

Key Eligibility Criteria

Inclusion (5)

- Males & females
- Age range (21-80)
- ASA I & II according to (American Society of Anesthesiologists) classification
- Single tooth implant
- Type 3 & type 4 implant placement timing (Chen and Buser, 2009)

Exclusion (5)

- Any known allergy to any medications which will be used in the study
- Smokers/ Alcoholics
- Pregnant and lactating women
- Bone augmentation/ sinus lifting required during the surgery
- The need of antibiotic prophylaxis

Locations (1 total)

— Al Nahdha Hospital, Muscat, Oman

<https://clinicaltrials.gov/study/NCT07413055>

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).