

Accuracy of Static Guided Implant Surgery: 3D-printed vs Milled Surgical Guides

NCT06819995

Status	RECRUITING
Phase	Not Applicable
Sponsor	Universidad Complutense de Madrid
Enrollment	48 participants

Key Eligibility Criteria

Inclusion (7)

- Male or female patients with one to four missing teeth, where dental implants are planned and where a tooth-supported or tooth-mucosal supported surgical guides can be fabricated. Free-ended situations will be allowed.
- Edentulous sites with at least 3 months of healing after tooth extraction.
- Staged hard and soft tissue augmentation will be permitted. In cases of previous bone augmentation (e.g. staged horizontal bone regeneration or lateral sinus lift), a minimum healing period of 6 months should be respected. In cases of previous soft tissue augmentation procedures, a minimum healing period of 2 months should be respected. Simultaneous close sinus lift procedures will be allowed when there is a minimum posterior bone height of 6 mm.
- Implants should be surrounded by at least 1.5 mm of bone.
- Periodontally healthy patients or with stable periodontal conditions after periodontal therapy. Periodontitis will be defined according to the EFP-AAP 2017 World Workshop Classification (Papapanou PN, Sanz M, et al., 2018): interdental CAL is detectable at e2 non-adjacent teeth or buccal or oral CAL e3 mm with pocketing e3 mm is detectable at e2 teeth, but the observed CAL cannot be ascribed to non-periodontitis-related causes such as 1) gingival recession of traumatic origin; 2) dental caries extending in the cervical area of the tooth; 3) the presence of CAL on the distal aspect of a second molar and associated with malposition or extraction of a third molar, 4) an endodontic lesion draining through the marginal periodontium; and 5) the occurrence of a vertical root fracture.

... and 2 more (see full listing online)

Exclusion (16)

- Systemic
- Completely edentulous patients or patients requiring mucosal- or bone-supported surgical guides.
- Compromised general health (ASA IV-VI patients).
- Systemic diseases which could influence the outcome of therapy (uncontrolled diabetes mellitus, bone disorders, etc.).
- Pregnant or nursing women.

... and 11 more (see full listing online)

Locations (1 total)

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<https://clinicaltrials.gov/study/NCT06819995>

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