Clinical and esthetic outcome after immediate single implant placement and restoration of teeth in the esthetic area; a prospective multicenter study.

Published: 20-10-2015
Last updated: 11-04-2025

To determine the rate of bone remodeling around immediate placed implants.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON28007

Source
NTR

Health condition

tooth restoration, implant, bone remodeling, tand herstel, tand implantaat, bot herstel

Sponsors and support

Primary sponsor: Gert Meijer
Radboud Universiteit Nijmegen
The Netherlands
Source(s) of monetary or material Support: Martin Polman
Nobel Biocare
The Netherlands

Intervention

Outcome measures

Primary outcome

Rate of bone remodeling around immediate placed implant

Secondary outcome

esthetic requirements

Study description

Study objective

To determine the rate of bone remodeling around immediate placed implants.

Study design

Pre-procedure,
procedure,
1-2 week postoperative,
3-9 months postoperative,
1 year postoperative
3 years postoperative

Intervention

Immediate implant placement and restoration of teeth in the esthetic area

Contacts

Public
Staas & Bergmans Zorg

Tristan Staas
Chopinstraat 20

Den Bosch 5216 EC
The Netherlands
06-53466563
Scientific

Staas & Bergmans Zorg

Tristan Staas
Chopinstraat 20

Den Bosch 5216 EC
The Netherlands
06-53466563

Eligibility criteria

Inclusion criteria

- Good oral hygiene
- Presence of a single failing tooth in the anterior maxilla (13-23) with both neighboring teeth present
- Adequate soft tissue level/contour at the facial aspect of the failing tooth as compared to the surrounding teeth.
- Adequate bone height apical to the alveolus of the failing tooth (x5 mm) to ensure primary implant stability

Exclusion criteria

- Presence of local or systemic disease (i.e. severe osteoporosis, Paget's disease, renal osteodystrophy, immune suppression, corticosteroids treatment in the recent past)
- Pregnancy (in relation to the X-ray research)
- Cancer therapy including immunosuppression, chemotherapy and radiation.
- Uncontrolled diabetes
- Drug or alcohol abuse
- Non-treated periodontal diseased/uncontrolled periodontal disease, caries.
- Unrealistic esthetic demands.

Study design

Design

Study type:	Interventional
Intervention model:	Other

Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	01-11-2014
Enrollment:	100
Type:	Anticipated

Ethics review

Positive opinion

Date:	20-10-2015
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL4170
NTR-old	NTR5583
Other	: 2014/157

Study results