Immediate implant placement in molar extraction sites; a 5-year prospective case series pilot study

Gepubliceerd: 24-10-2019 Laatst bijgewerkt: 13-12-2022

not applicable

Ethische beoordeling	Positief advies
Status	Werving gestopt
Type aandoening	-
Onderzoekstype	Observationeel onderzoek, zonder invasieve metingen

Samenvatting

ID

NL-OMON20991

Bron
NTR

Verkorte titel
Immediate implant placement in the molar region

Aandoening

Failing molaar tooth

Ondersteuning

Primaire sponsor: NobelBiocare AG
Overige ondersteuning: Implant materials

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Peri-implant bone loss

Toelichting onderzoek

Achtergrond van het onderzoek

Background: There is a growing tendency to place single tooth implants immediately after extracting a failing tooth in the posterior region. The aim of this prospective case series pilot study was to evaluate immediate implant placement in molar post-extraction sites during a 5-year follow-up period.
Materials and methods: Fifteen consecutive patients with a single failing molar in the maxilla or mandible, and presenting enough bone to expect primary implant stability and an implant site free of infection, were included. The implants, with a large thread depth and sharp thread edges, were placed in each patient according to a two-staged surgical procedure. Three months later, a full contour screw-retained zirconia restoration with an angulated screw channel abutment was provided. Clinical and radiographic examinations were performed one month and 12 months after placing the restoration. In addition, the patients' satisfaction with the restoration was scored after 12 months.

Doel van het onderzoek

not applicable

Onderzoeksopzet

1-year follow-up
5-years follow-up

Onderzoeksproduct en/of interventie

Dental implant

Contactpersonen

Publiek

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

The following inclusion criteria were applied:
• One failing first or second molar in the maxilla or mandible;
• Sufficient bone volume, with an intact buccal and lingual wall, to insert a dental implant of at least 7 mm in length;
• Implant site is free from infection;
• Adequate oral hygiene as expressed by the modified plaque index and the modified sulcus bleeding index from Mombelli et al. [16];
• Sufficient mesio-distal, bucco-lingual, and interocclusal space for the placement of an anatomic restoration;
• The patient is capable of understanding and giving informed consent.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Patients were excluded from the experimental protocol when at least one of the following exclusion criteria was met:
• Medical and general contra indications for the surgical procedures;
• Presence of active and uncontrolled periodontal disease;
• Bruxism;
• An active smoker;
• History of local radiotherapy to the head and neck region.

Onderzoeksopzet

Opzet

Type:	Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel:	Anders
Toewijzing:	N.v.t. / één studie arm

Blindering:	Open / niet geblindeerd
Controle:	N.v.t. / onbekend

Deelname

Nederland

Status:	Werving gestopt
(Verwachte) startdatum:	01-01-2016
Aantal proefpersonen:	15
Type:	Werkelijke startdatum

Voornemen beschikbaar stellen Individuele Patiënten Data (IPD)

Wordt de data na het onderzoek gedeeld: Nee

Ethische beoordeling

Positief advies

Datum:	24-10-2019
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL8117
Ander register	Medical Ethical Committee of the University Medical Center Groningen : Number M15.184100

Resultaten

Samenvatting resultaten
Peer-reviewed international journals