

Original Article

Clinical response of edentulous people treated with mini dental implants in nine dental practices

Torsten Mundt 🔀, Christian Schwahn, Thomas Stark, Reiner Biffar

First published: 17 July 2013 https://doi.org/10.1111/ger.12066 Cited by: 19



Institutional Login

<u>Log in</u> with Open Athens, Shibboleth, or your institutional credentials.



If you have previously obtained access with your personal account, **<u>Please log in</u>**.





Learn more Ch

Check out

>

>

We have detected that third-party cookies are disabled in your web browser so we are not able to authenticate your account. If you have previously purchased this article, please click any of the purchase options above for access options. We recommend that you <u>enable third-</u> <u>party cookies</u> for the most seamless Checkout experience.

Abstract

Objectives

To analyse implant survival, prosthetic aftercare and quality of life (QoL) after stabilisation of complete dentures with mini-implants.

Background

Many edentulous patients refuse implant therapy due to the expenses and fear of surgery. Studies on minimally invasive and lowcost mini-implants remain rare.

Materials and methods

A total of 133 participating patients from nine private practices were evaluated via patient records, questionnaires and clinical examinations. Complications, maintenance, QoL questions and the German short version of the oral health impact profile (OHIP-G14) were analysed.

Results

After 7 to 61 months, 15 of 336 maxillary implants and 11 of 402 mandibular implants had to be removed. In addition, four mandibular implants experienced fracture. The difference between the 4-year survival rates of 94.3% for the maxilla and 95.7% for the mandible was not statistically significant (p = 0.581). All original 144 overdentures remained functional. The prosthetic interventions were typically limited to repairs of acrylic base fractures (about one in five patients), changes of plastic O-rings and relining procedures. The participants showed OHIP-G14 scores (median = 2) that were comparable with those of patients with overdentures retained by conventional implants.

Conclusions

Mini-implant survival was similar to that of regular-diameter implants. Although some prosthetic aftercare was necessary, none of the overdentures had to be replaced. Prospective studies comparing conventional and miniimplants are warranted.

Citing Literature

About Wiley Online Library

Privacy Policy Terms of Use



Cookies Accessibility

Help & Support

Contact Us

Opportunities

Subscription Agents Advertisers & Corporate Partners

Connect with Wiley

The Wiley Network Wiley Press Room

Copyright © 1999-2019 John Wiley & Sons, Inc. All rights reserved WILEY