

Short Communication

Influence of dental implants on the oral health related quality of life

Bhandari V¹, Chouhan H²

Bhandari V, Chouhan H. **Influence of dental implants on the oral health related quality of life**

J Periodontal Med Clin Pract 2017;03: 25-26

Affiliation

1. Dr. Varun Bhandari (PG Student (Deptt. Of Periodontology & Oral implantology, Swami Devi Dyal Hospital & Dental College, Barwala, Panchkula)
E-mail: drvarunbhandari@gmail.com
2. Dr. Harmesh Chouhan (PG Student (Deptt. Of Periodontology & Oral implantology, Swami Devi Dyal Hospital & Dental College, Barwala, Panchkula)
Email Id: harmeshchouhan@gmail.com

The goal of the modern dentistry is to prevent tooth loss and to provide a healthy dentition with optimal functional efficiency, structural balance and esthetic harmony. The dental implants provide a realistic treatment alternative for rehabilitation of patients with lost teeth.¹ Due to the advantages provided by the implant supported prosthesis, like improved aesthetics, improved hygiene accessibility, osseous preservation and reduced future maintenance, it appears that replacement of tooth with implants may be a more viable option for today's patient.² Nowadays advances in clinical technique and biomaterials have facilitated a great expansion in the indications for dental implant treatment options. Teeth replacement using dental implants have proven to be a successful and predictable treatment procedure.

In the elderly and young people, tooth loss has significant side effects on different aspects of quality of life, and these effects are internalized by the person.³ Studies demonstrate that edentulous conditions have negative effects on oral health-related quality of life (OHRQoL), including inability to chew, trouble speaking, and pain and dissatisfaction associated with appearance. A

strong relationship exists between the number of natural teeth and quality of life. In this context, edentulism and conventional complete denture treatment have been shown to have a depreciative effect on OHRQoL.⁴ Dental implants have beneficial effects in individuals who have lost their teeth.⁵ Moreover, it has also been shown that treatment with conventional or implant-retained dentures has a positive impact on social activities.

Implant dentistry has evolved into the mainstream of restorative practices all over the world. Maintenance of bone after tooth loss to improve or maintain facial esthetics and improved retention, function, and performance of removable restorations are only some of the advantages for the edentulous patient. No longer are implants considered only when traditional restorations cannot be fabricated. Evidence-based reports indicate implant restorations last longer than those on teeth and the abutment teeth are at less risk of loss or complication.⁶

Concerns about the impact of dental treatment on the patients' quality of life are increasing. Using social dental indicators to assess quality of life and patient satisfaction have been recently suggested as

an important tool for treatment plans because these indicators provide behavioral data in addition to mechanical principles.⁷ Some studies have demonstrated the significant relationship that exists between good oral quality of life and good general quality of life.⁸

Conclusion:

Dental implant therapy has a positive effect on oral health quality of life as determined by the Oral Health Impact Profile (OHIP) compared to those who have not replaced their missing teeth with dental implants but instead choose removable options or partial restorations or no restoration at all.

References

1. Avivi-Arber L, Zarb GA. Clinical effectiveness of implant supported single tooth replacement. The Toronto study. *Int.J oral maxillofac. Implants* 1996 May-June, 11(3):311-21.
2. Carlsson GE, Persson G. Morphologic changes of the mandible after extraction and wearing of dentures. A longitudinal, clinical and X-ray cephalometric study covering 5 years. *Odontologic review* 1967; 18(1):27-54.
3. Berretin-Felix G, Nary Filho H, Padovani CR, Machado WM *Clin Oral Implants Res.* 2008 Jul; 19(7):704-8.
4. Veyrune JL, Tubert-Jeannin S, Dutheil C, Riordan PJ: Impact of new prostheses on the oral health related quality of life of edentulous patients. *Gerodontology* 2005,22(1):3-9.
5. Nickenig HJ, Wichmann M, Andreas SK, Eitner S *J Craniomaxillofac Surg.* 2008 Dec; 36(8):477-80.
6. Misch CE. *Gen Dent.* 2001 Jan-Feb;49(1):38-45.
7. Goiato MC, Torcato LB, Dos Santos DM, Moreno A, Antenucci RM, de Carvalho Dekon SF *Clin Oral Implants Res.* 2015 Jun; 26(6):701-8.
8. Naito M, Yuasa H, Nomura Y, Nakayama T, Hamajima N, Hanada N: Oral health status and health-related quality of life: a systematic review. *J Oral Sci* 2006,48(1):1-7.

Competing interest / Conflict of interest The author(s) have no competing interests for financial support, publication of this research, patents and royalties through this collaborative research. All authors were equally involved in discussed research work. There is no financial conflict with the subject matter discussed in the manuscript.

Source of support: NIL

Copyright © 2014 JPMCP. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.