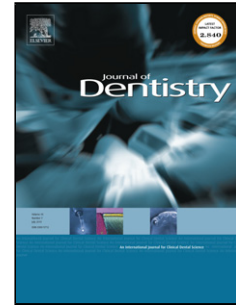


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# Oral health-related quality of life in subjects with implant-supported prostheses: A systematic review

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**Short title:** Dental implants and quality of life

## Abstract

**Objectives:** The aim of the present study was to review the current literature relating to the impact of dental implants on oral health-related quality of life (OHRQoL) in edentulous or partially dentate patients.

**Keywords:** Systematic review; implants; quality of life; patient-reported outcomes

**Data/Sources:** Systematic literature searches were performed in the PubMed, EMBASE, and Cochrane Library databases, using high level MeSH terms. The searches were limited to studies published in English from 1960 to June 11, 2017, reporting OHRQoL outcomes using validated instruments, and having enrolled at least 50 patients.

**Study selection:** After removal of duplicates, a total of 2,827 unique hits were identified. After title, abstract, and full text screening, 63 articles were included in the review presenting findings of 55 individual studies. The provision of implant-supported dentures was associated with a significant increase in OHRQoL in partially dentate and in edentulous patients, with the magnitude of achieved improvement typically being greater for implant-supported dentures than with conventional ones. Furthermore, OHRQoL impairment prior to treatment was strongly associated with OHRQoL improvement.

**Conclusion:** For partially dentate patients, there is not enough evidence that implant-supported FDP are superior in terms of OHRQoL than conventional FDP, but moderate evidence suggests that implant-supported FDP perform better than conventional RDP. In edentulous patients, evidence suggests that only if OHRQoL at baseline is highly impaired and patients request implant treatment, IOD are superior than CD in terms of treatment-induced OHRQoL improvement.

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