

Hence, there is need to conduct well designed, prospective, randomized clinical trials to derive proper conclusion.

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## 59. Proton pump inhibitors and dental implant failure- is there any link?? A scoping review

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**Purpose:** proton pump inhibitors (PPIS) have a profound effect on bone metabolism. Hence, the aim of the present systematic search is to determine the evidence on the association between intake of ppis and osseointegrated dental implant failure. . **Study design:** a systematic search was conducted in three electronic databases: pubmed, ovid, and cochrane. All the studies, irrespective of the design, pertaining to the effect of proton pump inhibitors on dental implants were included. Literature review, letter to editors, short commentaries and opinion articles were excluded. . **Results:** a total of 2 publications fulfilled the inclusion criteria. Both the included articles were retrospective cohort studies; a total of 383 implants were placed in 125 ppi users, whereas 4949 were placed in 1673 non-users. Of these, 39 and 201 implants failed in users and non-users respectively (odd's ratio of 2.7).. **Conclusion:** as far as the available evidence is considered, usage of ppi has a detrimental effect on the success of dental implant.