Clinical documentation on Ankylos® implant system

The Ankylos implant system has several key features, including the friction-locked conical implant-abutment connection, the system-immanent horizontal offset, and the microstructured surface covering also the implant shoulder. The system has been used in various clinical indications for over 25 years.

Clinical studies with a follow-up between 1 and 8 years show that the Ankylos implants are safe to use with reported high implant survival rates, ranging from 94 to 100% \(^\text{1-43}\). Support for clinical safety is further confirmed in a retrospective study including more than 12,500 Ankylos implants with up to 20 years of documented clinical follow-up \(^\text{44}\).

Published data shows that placement of Ankylos implants is a safe and predictable treatment in both jaws for indications such as: single-tooth restorations \(^\text{1-11, 45-47}\), fixed partial/full prostheses \(^\text{4, 30-32, 36, 47-49}\), and overdentures \(^\text{4, 20-23, 50, 51}\). Moreover, there are published clinical results for implants immediately placed in extraction sockets \(^\text{6, 7, 13-15, 20}\), in grafted sites \(^\text{24, 39}\), and when using a one-stage surgical procedure followed by immediate loading \(^\text{1, 6, 7, 12-21, 26-35, 52}\).

Good primary stability has been documented for Ankylos implants in several studies \(^\text{16-18, 33, 45, 53}\). Mean insertion torque values ranging from 28.8 to 47.5 Ncm have been reported, even for the Ø3.5 mm implant \(^\text{7, 16-18, 54}\). Additionally, high patient satisfaction is reported \(^\text{14, 46}\).

Published, clinical studies report on the mean marginal bone level change around Ankylos implants after 1 year \(^\text{1, 8, 24, 55, 56}\) (range 0.01 to -1.32 mm), 2 years \(^\text{13, 16, 31}\) (range +0.21 to -0.78 mm), 3 years \(^\text{36, 47}\) (-0.36 to -0.6 mm) and 5 years \(^\text{36}\) (-0.6 mm) in function.
References


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