

Overdentures supported by Astra Tech Implant System™

Prospective clinical studies with the Astra Tech Implant System™ show that the survival rate of implants in the mandible is the same when comparing overdentures and fixed bridges, irrespective of retaining system used¹⁻¹¹. The use of a ball abutment or a Locator™ for a non-splinted support, as well as the use of a bar attachment for a splinted support, is well documented with a follow-up of 1–4 years^{2, 3, 5, 6, 8, 12-19}, 5 years^{1, 4, 7, 9, 10, 20}, and even 12 years²¹. The implants have been placed according to a 1-stage surgical technique^{2, 12, 19, 20} or a 2-stage technique^{1, 3-6, 8-10, 17, 21}. In addition, an immediate loading protocol has been used for overdentures supported by two unsplinted anterior implants, showing good clinical results¹⁶. An overall healthy soft tissue response is reported, with only minor changes in marginal bone levels and very few complications. The reported survival rate for implants ranges from 95% to 100%^{1-10, 16, 17, 20, 21}. Furthermore, high patient satisfaction has been reported^{4, 6, 15, 19, 20, 22, 23}. The prosthetic and maintenance care is of great importance in achieving the successful outcome reported with this simple and cost-effective treatment option^{2, 3, 5, 7, 12, 16, 19-22}.

The conclusion is that the Astra Tech Implant System™ provides reliable and predictable support for overdentures in the edentulous mandible.

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