

## 8 Summary

The present research was planned as a retrospective longitudinal study. The aim of this study was to evaluate the clinical outcome of implants with a progressive thread design (Ankylos) in different implant-supported prostheses. In addition, the patient's response to the implantologic prosthesis should be investigated.

Between January 1995 and July 2002 the data of the treatment of 102 patients with 252 implants were included in the study. All collected data were inserted in a data bank and were statistically evaluated. During a period from January 1995 to July 2002 data were retrospectively collected from patient files to document the course of the treatment. The total number of prostheses was 141.

From a total number of 252 implants 4 were lost (loss rate: 1.6 %). The survival rate of successful implants reached the following number: 98.4 % after 7 years.

Out of 141 prostheses 36 needed corrections, including 12 (8.2 %) surgical and 24 (16.4 %) prosthetic complications. While prosthetic complications were minor the surgical incidents were more serious.

The removable implant-supported prostheses showed a statistically significant higher number of complications than the fixed implant-supported prostheses. Neither screw loosening nor abutment loosening were observed. These good results are based on the design of the Ankylos implant system.

The reported data shows that very satisfactory results can be accomplished by implant-supported prostheses, although recalls are necessary.