Retrospective studies of survival rate of immediate implant: 8-year life table analysis
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[Aims] The aim of this study is to evaluate the cumulative survival rate of immediate implants and to analyze the causes of failed implants in a 8-year period retrospectively.

[Materials and Methods] From May, 2000 to October, 2007, 64 implants were placed in 52 patients immediately after tooth extraction at Department of Periodontology, Yonsei University Hospital. The implant survival was analyzed using a life-table analysis.

[Results and Conclusion] In terms of implanted sites, total of 64 implants were placed and 56 implants were placed in Mx. and 8 implants in Mn. The overall survival rates of immediate implants were 95.3% and a mean follow-up period was 50±2 months. The 8-year cumulative survival rate was 95.31% on 64 implants. 3 implants failed and all of them were due to early failures.

Survival rate of immediate implant was not significantly different to that of standard implant placement. On the basis of 8-year life time analysis, immediate implant placement can be considered a safe and predictable treatment modality.