

The retrospective study of success and time period of restoration for dental implant systems

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A success of long-term treatment plan in the dental implant center, Dental Hospital of Chulalongkorn University, need good collecting basic implant history. The main purpose of this research was to gather data involving various factors that affect success, risk factors, and failure. These factors were related to time period in implant placement and prosthetic treatment. Retrospective research in 8 years period of dental history was created included 129 patients consisting of 51 men (aged between 50-55 yrs most) and women (aged between 20-25 yrs most). The total 345 implants placed to patients consist of Br nemark (18 implants), Sterioss (152), Ankylos (62), Paragon (55), Frialit-2 (46), Calcitek (2), Traumann (2), Lifecore (1) and no-recorded (7). The prosthetic restorations were fixed partial denture (199 implants), single crown (137), lower complete overdenture (5) and upper complete overdenture (4). The time periods of implant placement of prosthodontic insertion were peaked in 52-56 weeks for upper anterior tooth area, 76-80 weeks for upper posterior tooth area, 56-60 weeks for lower anterior tooth area, and 24-32 weeks for lower posterior tooth area. It was also found that the least period time without implant failure were 20-24 weeks. The follow up periods were 1-3 months after implant placement (36% of all follow up patients), 3-6 months (25%) and 12-24 months (13%). The number of failure implant were 19 implants, which are 5.51% of all placed implants. From this study the long term collected data were needed to confirm the success rate of implant treatment

Supported by Dental Research Fund, Dental research project 3205-312 # 48 / 2002 Faculty of Dentistry, Chulalongkorn University