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ABSTRACT

**ONE WING ANTERIOR ALL-CERAMIC RESIN- BONDED FIXED
DENTAL PROSTHESIS: FROM PLANNING TO SUCCESS**

In order to replace a lost anterior tooth, there are different opportunities for prosthetic treatments.

Conventional fixed prosthesis is used when the adjacent teeth already present an extended conservative restoration.

In case that the neighbor teeth are healthy, implants are often used to protect the adjacent teeth.

Due to necessary surgical intervention and high costs, as well, the idea of minimal adhesive dentistry with two wing resin- bonded fixed dental prosthesis out of a base metal alloy can replace a single lost anterior tooth.

Later on, a high- performance ceramic material such as zirconium dioxide is used, due to its esthetic performance. It turned out that the debonding of one of the wings was a common occurring complication.

This resulted in the idea of using only one wing for the replacement of a lost anterior tooth. Clinical studies showed a much better survival rate for one- wing all- ceramic cantilever resin bonded fixed dental prosthesis.

This kind of treatment is especially suitable for elderly people, in order to avoid the surgical intervention. But also, for very young patients from 15 until 30 years old for whom it is highly discouraged to use implants as a possible treatment, because of the still ongoing vertical growth of the maxillary jaw and the following complications.

An exact pre-prosthetic diagnostic made by the dentist is decisively for success. It is important not only to fulfill the definite requirements for the tooth preparation but also to control the CAD- construction made by the dental technician. After the final control the reconstruction has to be released by the dentist. Additionally, there has to be a standardized protocol for the adhesive bonding.