

HOW TO SOLVE BONY DEFECTS IN YOUNG PATIENTS PREDICTABLE BY THE USE OF AUTOTRANSPLANTS

Introduction:

At Proclin Rotterdam we have transplanted over 4000 teeth. An article on this has recently been published in the Journal Of Dental Traumatology.

The technique of autotransplantation can be use even in the absent of alveolar bone.

We have to be aware that the only reason for existence of the alveolar ridge is the fact that natural teeth have erupted. In the cases of agenesis there also is no alveolar ridge. On top of that the alveolar ridge consists of functional bone. No function and the bone will resorb.

Abstract:

In this case presentation you will see that a transplanted tooth and especially its periodontal ligament will produce bone and soft tissues exactly like an erupting natural tooth. In this way we can help young patients that lost their front teeth or suffer from agenesis by not only giving them teeth but also by building their alveolar ridge and soft tissues in a predictable way.

The technique dates from the 1950th and was preformed on a large scale in the Scandinavian countries until implants took over. The downside of implants is the fact that they are ankylotic structures and they don't provide the alveolar bone with functional stimulating forces.

Transplanted teeth are non-ankylotic structures. Therefor natural lifelong development of the dento-alveolar complex will not be compromised which makes autotransplants very suitable to be used in young patients.

Conclusion:

The technique of autotransplantation should be revived and be considered as an option next to implants.

Keywords: Autotransplantation, Trauma, Agenesis, Bony Defects, Tooth Replacement