

**"Super tooth concept regarding with the Acid-Base Resistant  
Zones"**

Abstract

In terms of longevity of restoration and maintaining the condition of the tooth structure around the restoration, it is necessary to obtain good adhesion. Functional monomers in several adhesive systems such as MDP, Phenyl-P and GPDM possess the function to lead infiltration of resin monomers into the tooth structure also have the ability to adhere to calcium on the surface of hydroxyapatite. A new layer was found at the interface between the tooth and bonding agents that were material dependent. Also fluoride in the adhesive and conditioners before application of adhesive affected the shape of that layer. The super tooth concept started with the creation of these layers which means the adhesion and resin composite restoration could make the tooth stronger and inhibit demineralization around the restoration.