Abstract: Objective: To review the various methods of surface preparation and review results of zirconia ceramics in each of them in increasing bond strength between zirconia ceramic and teeth.

The zirconia ceramic fixed partial dentures for the manufacture, treatment static areas and as prosthetic implants are used. Zirconia Ceramics is the mostly under preparation by CAD/CAM machines. With the use of conventional adhesives such as zinc phosphate or RMGI under crowns are used for bonding application of adhesive cements to increase the marginal fit and retention are recommended.

However, trying to find a lasting bond between the resin cement to obtain a suitable zirconia ceramic is discussed by researchers.

The preparation of zirconia ceramic surface such as sand blast and sization studied etching with. Plus new dual cured resin cements to this ceramic luting were recommended, Primers Several ceramic to enhance the bond market following chemical bonds to zirconia ceramics entered the market.

Conclusion: Due to lack of zirconia ceramics, silicon oxide substrate phase is not considered suitable for bonding zirconia ceramics. Hence the strength of bonding with other methods except sization and HF can help them to get stuck. Including appropriate methods such as sandblasted, ceramic, and increased use of primers covers the following form increase more retentive preparation and zirconia crowns is prepared.

surface treatment-bonding - zirconia ceramic

Presentation: Poster