

48. Evaluation and comparison of two different crown and bridge materials (pfm and zirconia) in terms of various periodontal parameters and crestal bone levels at an interval of 6 months and 12 months

Bhupinder Yadav

Name of the College

Indirect restorations in the form of crowns and fixed partial dentures come in close proximity of the periodontal tissues. Several studies have indicated poor marginal adaptation, subgingival margin placement, and over contoured crowns can contribute to localized periodontal inflammation. However, the materials used for rehabilitation and their influence on the surrounding structures is still a question mark i.e. there is a lack of scientific information regarding how oral plaque would colonize the restoration surface. Such interaction may influence the success or clinical failure of tissue integration. It may be hypothesized that reconstructions with zirconia framework will lead to clinical outcomes similar to those with a metal restoration. If so, metal-ceramic reconstructions might be replaced by zirconia-ceramic reconstruction in the future. For proof of this change of material choice, clinical studies are needed which are lacking in the literature and there is a lacunae regarding comparison of zirconia-ceramic and metal ceramic reconstructions in various indications especially in the same environment.

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