

25th Global Dentists and Pediatric Dentistry Annual Meeting

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Functional and aesthetic rehabilitation with crowns and fixed partial denture

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The demand for the dentists to achieve excellence in aesthetics and function has driven modern advances in materials and restore fabrication. However, patient requests for more aesthetic and biologically safe materials that have led to an increased demand for metal free restorations in anterior area. The following case presentation illustrates a successful aesthetic and functional application of porcelain fused metal crowns and fixed partial denture. Full ceramic crowns with opaque cores are superior in strength, with good aesthetics. When restoring anterior teeth with these crowns, it is advisable to end the margin sub gingivally as there could be a mismatch in shade between the tooth margin and the restoration. It is difficult to make direct comparisons from cited studies to advance a clear argument in support of one treatment modality. However, it is judged that a conventional endodontic retreatment approach is the most appropriate in the first instance, providing access to the root canal is possible. This does not preclude a subsequent surgical approach. Teeth that are permanently restored soon after retreatment are more successful than those which are not. There are significant challenges in setting up prospective research studies to directly address the problem of the failed root filing. With the improvement in materials, careful case selection and application of the restorative techniques, posterior composites placed under appropriate conditions and monitored routinely can be expected to last 10 years or longer. Invaded the biologic width during tooth preparation can result in chronic inflammation, loss of alveolar bone, recession and pocket formation. The chronic inflammation compromises both aesthetic and periodontal health. In order to keep margins of restoration supragingivally the distance from marginal bone to margins of restoration should not be less than 3 mm. Ideally the margins of restoration should be supragingivally or in the same level as marginal gingiva. When the margins of restoration are prepared subgingivally, the distance from marginal gingiva to margins of restoration should not be more than 0.7 mm. To continue dental treatment in operated area is recommended not earlier than in 4 weeks, and making restorations in esthetical area not earlier than in 6 weeks. Cast metal post-and-core foundations have a long history of successful use due to their superior physical properties. Based on these 3-year outcomes, root canal treatment is considered a reliable treatment in practice routine under the conditions of the German national health insurance system suitable to salvage most of the affected teeth. A 5-year retrospective study of fixed partial dentures showed that fifty-eight (58.6%) of the FPDs were successes requiring no intervention.



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Recent Publications

1. Functional and Esthetic Rehabilitation With Crowns And Fixed Partial Dentures; case report: Abeer alrumayyan, Internet Journal of Advanced Research (IJAR-24450).
2. Evaluating Quality Of Life With Patients With Varicose Vein; pilot cross sectional study. abeer alrumayyan, Internet Journal Of Advanced Research (IJAR-24453).
3. Occupational Hazard: Needle Stick Injury Among Health Care Workers ; abeer alrumayyan, Internet Journal Of Advanced Research (IJAR-24456).

Biography

Abeer AAlrumayyan has her expertise in evaluation and passion in improving the dental and oral health. She work as a Consultant at Cental Center in King Abudulaziz Medical city since 2002, she is a Lecturer and Clinical Instructors for students in KAU-HS College of Dentistry. She is a member in the committee of public health and research program for the residents in all dental speciality. She is a member in Saudi Dental Society and American Dental Association. She has an important role for both academic and professional values of the organization where she works.

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