

Dentistry & Oral Care

April 18-20, 2016 Dubai, UAE

Traumatic challenges in cosmetic dentistry

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Introduction: The most important skills that physicians of the orofacial complex must develop are sound oral diagnosis and treatment planning. The clinician face challenges in cosmetic dentistry that may force him to find a solution within several hours. This article discuss a clinical case report for a patient with a traumatic accident for the two upper anterior central incisors. The main goal of the patient is to restore his profile immediately or otherwise a tribe crisis will explore leading to disaster between two Iraqi tribes which might end in killing means. This put the clinician under high tension pressure responsibility to restore the profile of the patient to the most acceptable scientific and practical results.

Materials & Methods: A 20 year old patient has attended our private practice complaining of a traumatic accident for the two upper central incisors due to fight crises. The two centrals were fractured almost up to the level of the gum. Proper extra and intra oral diagnosis were carried out to find the most suitable way to achieve the goal of the patient. Highly proper delicate root canal therapy was decided immediately to be finished in one hour. Then the patient is left for another one hour for settling the endodontic treatment. Then a fibro post was selected properly and cemented with rely-x uncem 3m company (American product). Following this step, good etching and bonding was achieved. Then complete carving and sculpturing was made for the two centrals using Empress direct composite restoration. Finally proper occlusal adjustment was carried out with final finishing and polishing.

Results: A satisfied restored profile was achieved for the patient within several hours. The old profile indicated that the two centrals were out of occlusion. This point was corrected with the new profile which made the patient happier and psychologically more stable. The crises between the tribes were resolved. The expected horrible end between the two Iraqi tribes was vanished.

Conclusion: In many occasions the clinician may face challenges in cosmetic dentistry. The decision for a proper treatment plan in many instances is a real challenge. The treatment plan should be based on the type and the extent of treatment to be performed. So when planning complex esthetic cases, it is necessary to evaluate, diagnose and often treat occlusal factors taking into consideration the main goal of the patient to be achieved. To achieve a proper treatment plan gathering together with the desire of the patient, in many occasions is a point of challenge.

Biography

Ali Mudher is General Secretary and Board member of the Iraqi Dental Association. He is the Councilor at the IAOR (Iraqi Association of Oral Research) which belongs to the international Association for Dental Research IADR. He is the Head of the department of prosthodontics at the Iraqia University. He was selected as one of the best ten personal fair and honest personalities among the Iraqi community in 2013-2014 which is organized by TEDX (in Iraq).

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