



## Rejuvenating Smile- Using Porcelain Laminates

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**ABSTRACT:** Tooth Discoloration is commonly occurring abnormality in our day to day life. Porcelain Laminate is regarded as preservative option for clinicians. Central Dominance is an important element of an esthetic smile. This case report discusses a young individual desiring for change in his unpleasant esthetics. Laminates provides him better results for longevity above 21 years. Significance of porcelain laminates is economical, better aesthetics, less competitive, fewer appointments and prevents plaque accumulation.

**KEYWORDS:** Prosthesis, Laminate, Aesthetic, Smile

Aesthetic rehabilitation is crucial in achieving perfect smile as per demand of society. Optimum aesthetics is visually pleasing and satisfying with proper functioning of dentition and masticatory system. A 25 year male reported to Department of Prosthodontics, GDC Patiala for discoloration of upper anterior teeth. He was not happy with his appearance. He informed of discoloration presence since birth. He desired for better aesthetics. Various modalities were discussed to patient which included laminate veneers, bleaching, composite veneering and micro abrasion but he selected option of a Porcelain Laminate.

Pre-operative photographs as seen in Figure A are shown.



FIGURE A: Intraoral view of the patient



As he had unsatisfactory smile, thus to achieve proper functionality and better aesthetic rehabilitation treatment was initiated. The shade was selected under direct sunlight with VITA 3D master

shade guide after doing impression. Color, form and size have been suggested as tools for assessing the dominance of maxillary teeth.



FIGURE B: Wax up done

Depth orientation grooves (Figure C) were placed on the facial surface of the tooth with 0.3mm and 0.5mm three wheel diamond depth cutter on the gingival half and incisal half respectively. The

tooth structure remaining between the depth orientation grooves were removed with a round end tapered diamond.



FIGURE C: Depth Cutting bur used to mark indentations.

Crown cutting was done followed by retraction with 000 ultrapack retraction cord.



FIGURE D: Tooth preparation done for 11,12,21,22



FIGURE E: Impression made using putty and light body .



FIGURE F: Temporization done using spot etching



**FIGURE G:** Articulation of cast on HANAU wide hue articulator.



**FIGURE H:** Final Cementation completed



Restored aesthetics as seen in view with Porcelain Laminates (Figure H). The results were welcomed by patient. It has minimal or no preparation of tooth being conservative in nature. Occlusion was checked to obtain no contacts on interfaces during function.

This treatment has been found to have longevity above 25 Years. It is better treatment option for young generation. Aesthetically pleasing results are available as treatment is stable, biocompatible, non-stainable, sustainable, satisfactory and feasible for all. The demand for this economical prosthesis is optimum as it is present in market since past.

Clinicians are well aware of fact that high bond strength is available without any sensitivity to provider. This report highlights significance of minimal thickness aesthetic rehabilitation procedure. Proper technique with relevant skills and knowledge can bring wonders.

#### CONFLICT OF INTEREST

Author declares no conflict of interest.

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