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Restoration of a peg lateral: A novel technique (Vacuum-formed splint delivery systems)

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This clinical case report describes the restoration of peg lateral incisors by conservative approach using direct composite bonding technique.

Introduction: A peg lateral is a developmental anomaly of the maxillary lateral incisors that cause a tooth to resemble a small peg. Incidence of peg and undersized lateral is 4%-5% in population. It is a heredity condition and has been linked genetically with tooth agenesis. A peg-shaped incisor has a marked reduction in diameter, extending from the cervical region to the incisal edge. The different conservative treatment options include indirect and direct composite resin material. They can be carried out for peg-shaped laterals depending on the circumstances and the smile designs. A direct composite bonding is an ideal treatment as it is conservative and can be placed directly onto the tooth. Shape of tooth can be changed and additions can be made to the length and width.

Case report: Through this oral case report, I will be presenting an alternative direct treatment option for esthetically correcting the peg laterals using the concept of a vacuum formed thermoplastic splint that has been fabricated utilizing a stone model copy of the definitive wax-up. Composite is then placed in the splint and placed over the teeth. Two patients aged 23 and 25 years old concerned about both sided peg shaped lateral incisors that were restored with direct resin composite laminate veneers using vacuum formed splint.

Conclusion: This conservative technique produced highly esthetic outcome with durability and stability and gave these patients new confident smile.

Biography

Ayesha Javed is working as a private practitioner in Bahrain.

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