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Utilizing non-rigid connectors for pier abutment management in fixed partial dentures: A case report


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Abstract

In cases where the first premolar and first molar are missing, particularly in the maxillary or mandibular arch, a common clinical scenario arises. This necessitates a fixed partial denture design wherein the canine and the second molar serve as terminal abutments, while the second premolar functions as a pier abutment. It has been suggested that the tendency of terminal abutments to intrude during function can lead to teetering movements, with the pier abutment acting as a fulcrum. These movements may eventually cause debonding of the less retentive terminal retainer. To mitigate this risk, the use of non-rigid connectors has been recommended. This clinical case report illustrates the incorporation of a non-rigid connector to rehabilitate a pier abutment case.

Keywords: Fixed partial denture, Non-rigid connector, Pier- abutment, removal partial denture

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