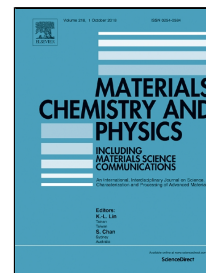


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Correlations between Connector Geometry and Strength of Zirconia-based Fixed Partial Dentures

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Abstract

The purposes of this study are: to assess the correlation between connectors' geometry and the strength of 3-unit zirconia dental infrastructures, to highlight the zirconia surface modifications generated by its processing (distilled water immersion, grinding) and to evaluate the possible connections between zirconia processing and its fracture resistance.

Eight sintered zirconia samples were obtained by using CAD/CAM technology, representing infrastructures for lateral mandible 3-unit fixed partial dentures, replacing

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