

Marginal fit evaluation of zirconia copings based on conventional and digital impressions using a tooth section microscopic examination technique

Original Article

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1. General Information

Dataset title:	Measurements for Original Article "Marginal fit evaluation of zirconia copings based on conventional and digital impressions using a tooth section microscopic examination technique"
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2. Objective/Problem Statement

The in vitro study was designed to compare the marginal fit of CAD/CAM zirconia copings based on digital and conventional impression techniques using a new method of tooth sectioning

3. Description

Twenty premolars were prepared for an all-ceramic full crown. Ten conventional polyether double mixing impressions and ten intraoral scans were made. After cementation, slices were prepared by cutting each tooth for five times. The marginal fit was microscopically analyzed at 20 measuring points per tooth. The analysis based on the seven parameters defined by Holmes et al. [1].

4. Data Format

PDF

5. Archive Structure

Table

6. System Requirements

Windows

References/Bibliography

[1] Holmes J R, Bayne S C, Holland G A, Sulik W D. Considerations in measurement of marginal fit. J Prosth Dent 1989; 62: 405-408