



## Investigation of Zirconia-based Crown Frameworks Fit

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### **Purpose:**

The aim of the study was to investigate the influence of the preparation design and the achieving technology on the fit of zirconia-based frameworks.

### **Materials and methods:**

Maxillary molars were taken into the study. The master dies were fabricated with two different preparation designs: chamfer, and shoulder and then duplicated for the experimental studies. Crown frameworks were obtained through classical modeling/CAM, and CAD/CAM procedures. For both the Cercon system was used. Marginal and internal fit for all restorations were measured on the dies using cross-sections.

### **Results and conclusion:**

There was no the significant difference in the fit of zirconia-based frameworks. Based on the results of this study, both marginal designs and achieving technologies are within acceptable ranges.

### **Acknowledgment:**

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