

A basic study on fitness of zirconia keeper coping fabricated by CAM system

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Abstract

The purpose of this study was to evaluate the fitness of Zirconia keeper coping fabricated by CAM system. The sample of zirconia keeper coping was fabricated by Cercon[®] brain system. The fitting accuracy was evaluated by a cement replica technique with a white silicone impression material. For the keeper coping specimens, the mean fitting gaps at finish line were 0.23 ± 0.08 mm, at boundary portion of coping and post were 0.26 ± 0.06 mm, at tip of post were 0.32 ± 0.06 mm. From the finding of this study, the adaptation of Zirconia keeper coping fabricated by CAM system was slightly less than recommended adaptation for all ceramic restorations fabricated by CAD/CAM system.