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Original Article

# Efficacy of ceramic repair material on the bond strength of composite resin to zirconia ceramic

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diameter and 3 mm in length) and incrementally filled up, according to the manufacturer's instructions of each intra-oral system. Each specimen was subjected to a shear load at a crosshead speed of 1 mm/min until fracture. One-way analysis of variance (ANOVA) and Tukey post-hoc tests were used to analyze the bond strength values. Results. There were significant differences between Groups 2-6 and Group 1. The highest bond strength values were obtained with Group 2 ( $17.26 \pm 3.22$ ) and Group 3 ( $17.31 \pm 3.62$ ), while the lowest values were observed with Group 1 ( $8.96 \pm 1.62$ ) and Group 6 ( $12.85 \pm 3.95$ ). Conclusion. All repair systems tested increased the bond strength values between zirconia and composite resin that used surface grinding with a diamond bur.

Key Words: [zirconia](#) [repair](#) [composite resin](#) [sear bond strength](#) [Y-TZP](#)

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