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## Surface roughness of glass ionomer cements indicated for atraumatic restorative treatment (ART)

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The purpose of this study was to evaluate the surface roughness of four conventional chemically cured glass ionomer cements (Fuji IX, Ketac Molar, Vidrion R and Vitromolar) commonly used in a traumatic restorative treatment (ART) immediately after material preparation. 20 specimens of glass ionomer cement were fabricated and surface roughness was measured after material setting. The specimens were further examined under scanning electron microscopy. Data were analyzed statistically by Kruskal-Wallis test and Mann-Whitney test at 5% significance level. Two-by-two comparisons showed statistically significant difference (p<0.05) between all materials, except for Ketac Molar and Vidrion R, which had statically similar results (p>0.05). Regarding their results of surface roughness, the materials can be presented in a crescent order, as follows: Ketac Molar

## Biography

Sara Abdulrahman Alfawaz completed her Bachelor degree at Alfarabi College in Riyadh. She was an organizer of more than one conference. She volunteered private clinic for five weeks in May 2014 and June 2015.

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