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The effect of different beverages on bracket bond strength: An *in vitro* study

Ashish Gupta and Abhimanyu Solanki
Vyas Dental College, India

A reliable bond between bracket and tooth enamel is essential during orthodontic treatment with fixed appliances. This bond strength can be affected by many factors and some acidic foods and drinks can potentially cause bond failure. Hence, this study was undertaken to compare and evaluate the effects of different beverages on shear bond strength of metal brackets. The *in vitro* study revealed the following results. 1. Shear bond strength was highest in distilled water group. 2. Lowest SBS was observed in Coca Cola Group, compared to fruit juice, green tea and black coffee. 3. The ARI index value showed considerable variability. Further clinical studies are to be undertaken to evaluate effects on shear bond strength.

drgupta1969@yahoo.co.in