

## **Arch perimeter - A Comparative Study**

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**Abstract:** This study was undertaken to find if any correlation existed between the dental arch perimeters of samples with: Normal occlusion, Bimaxillary protrusion and Class 1 molar relation with anterior crowding. Digital vernier caliper (Mitutoyo) was used to measure each cast in four separate segments. This study evaluated the mean arch perimeter by measuring the pre-treatment upper and lower study models of 30 patients having two different types of malocclusion and a third control group. In the present study mean arch perimeter for upper arch with normal occlusion was 75.79 mm (SD=2.32) and the mean arch perimeter for the lower arch was 66.97 mm (SD=2.67). Arch perimeter in class I bimaxillary and crowding cases was significantly more in both upper and lower arch.

**Keywords:** Arch perimeter, Bimaxillary protrusion, Crowding

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