

## Brazilian Oral Research

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### Abstract

[PORCIUNCULA, Hanielo Ferraz](#); [PORCIUNCULA, Mariana Machado da](#); [ZUZA, Elizangela Partata](#) and [TOLEDO, Benedicto Egbert Corrêa de](#). Biometric analysis of the maxillary permanent molar teeth and its relation to furcation involvement. *Braz. oral res.* [online]. 2004, vol.18, n.3, pp. 187-191. ISSN 1806-8324. doi: 10.1590/S1806-83242004000300002.

A high rate of root exposure and consequently the exposure of the furcation area is usually observed in multirooted teeth. In maxillary molar teeth, this fact may endanger the three existent furcations (buccal, mesial and distal), causing serious problems. In this research, distance measures from the buccal furcation to the mesial (F1M) and distal (F1D) surfaces of the mesio-buccal and disto-buccal roots; from the mesial furcation to the buccal (F2B) and palatal (F2P) surfaces of the mesio-buccal and palatal roots and from the distal furcation to the buccal (F3B) and palatal (F3P) surfaces of the disto-buccal and palatal roots, respectively were established. One hundred maxillary first molar teeth were used, 50 of the right and 50 of the left side. Reference marks and demarcations were determined on the furcations and also on the root surfaces involved in the measures. We concluded that these measurements are important because they may effectively contribute to diagnosis, prevention and treatment of periodontal problems.

Keywords : Furcation defects; Molar; Periodontal diseases.

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