Assessment of Anatomical Position of Posterior Teeth and Alveolar Bone Height in Malaysian Population Based on Panoramic Radiographs

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Abstract

Introduction: Familiar knowledge of posterior teeth positions and alveolar bone heights of dentate maxilla and mandible and their alterations according to gender and race may serve as a reference for implant planning, orthodontic therapy, and forensic work.

The aim: The aim of this study was to determine the location of first premolar and first molar in the maxilla and the mandible from the midline followed by the assessment of the maxillary and mandibular alveolar bone heights using panoramic radiographs of the dentate Malaysian population.

Materials and Methods: Panoramic images of 153 subjects were collected and classified according to gender.