

Introduction

Radiography of periapical region has become an ordinary and indispensable examination in several areas of dentistry. The high quality, definition and fidelity between the images are fundamental requisites for a correct interpretation and reliability in the use of these results in researches and aid for the construction of clinical diagnosis.

However, errors in the radiographic technique application, mainly errors of angulation, are often reported. With this reflection in mind, research accomplished by the Faculty of Odontology developed an innovative standard device for dental radiography.

Purposes

This device, which is made from sustainable material and has a simple and low-cost design, enables a geometric standardization of the radiographic image in different intervals of time, by minimalizing vertical and horizontal angulation errors. The device is still individualized and attachable to whichever radiographic dental positioner.

Application and Target Markets

The technology disclosed here belongs to the field of diagnostic devices in dental radiology. Hence, the branch of health, mainly those which are linked to dentistry, represent the sensitive business sectors of this invention.

Development Stage



Field: Health and Care

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Universidade de São Paulo
Faculty of Odontology

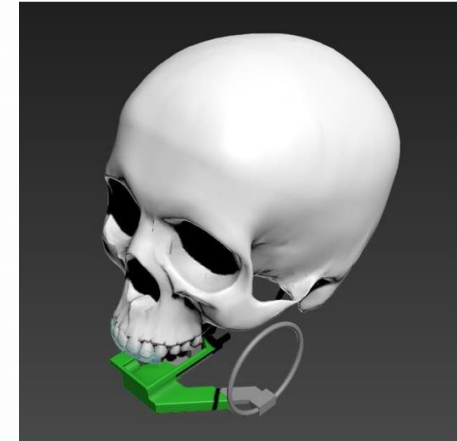


Image 1: Representative photograph of standard device by 3D printing (FDM method). Image2: Digital illustrative image simulating the use of the device in a patient. Source: Authors.

