CORTICAL BONE WIDTH MEASUREMENT BASED ON ACTIVE SHAPE MODELS

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Abstract

In general some method that used to build a deformable model cannot find the general Shape of the object in image. Active Shape Models (ASM) is a method that used for obtain the edge from the object in the image. ASM are applied with placing points that called landmark point that represents some contours from the object.

This final project purposed to build a cortical bone width measurement system, where the measurement are applied on boundary or edge from the result of the fitting between the statistical model and object in the image.

Result of the cortical bone width measurement based on ASM shows the 90 % of correlation and approaching to manual measurement along with the increaseing of the points.

Keywords :
Active Shape Models, Dental Panormaic Image, Cortical bone width measurement.