

ABSTRACT

3D CT Scan Imaging Technique Publishing Maxillofacial Bone (Study Anthropology of 110 Patients at the Central Building Integrated Dr. Soetomo)

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Introduction : Identification aims for clarity of a person's identity, in addition to the identification of the bodies of the dead corpse, or identification is needed also on a live person who is trying to turn his real identity or ignorance of his identity. In some large teaching hospital inspection activities conventional autopsy with dissection in each organ system and neuropathological examination of the brain begin to decrease. Some of the reasons why the autopsy began avoided because of the emotional factors, some for religious reasons, and partly to logistical reason. The purpose of this study to show a descriptive profile of Javanese people's face using use the 3D CT Scan reconstruction technique. Thus obtained facial measurement data without the surgical incision.

Objective : To describe the size and shape of the face with measurements using 3D CT Scan reconstruction technique.

Desain Research : Descriptive, analytic, interdisipliner.

Method : Samples of this study were as many as 110 people who have done a head CT scan of the neck with age range of 18-20 years had not surgery history because of trauma or non trauma.

Technique : Examination used that is antropometry examination covering 13 points facial and look for the facial index value to determine type face with 3D CT Scan

technique, this research using descriptive analysis with independent t-test to obtain the average value of the minimum and maximum as well standard deviasi as the normal range, where as the t-test was done to analyze different between the male and female group.

Result: An anthropometric measurements showed there is significant differences between male and female at 13 measurements points in the face. In analyze facial index male obtained facial index showed class Leptoprosopic face type with a percentage of 100% while the index value female facial on most dominant female facial face type Euryprosopic with a percentage 32%. Anthropometry can be more practical and produces prescience data by using 3D reconstruction technique.

Keywords : anthropometry, 3D reconstruction, the type face.

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