ABSTRACT

Background: Orthodontist are very aware that all of the patient which came for orthodonti's treatment, were to recover face esthetic or their profile as motivation. The facial profile look not only determined by the hard tissue, but will be influenced by the soft tissue too such as nose, lip, and chin. Tweed doing face analysis with cephalometric use three angle in triangle which are FMA, FMIA, and IMPA. There are many facial profile analysis that usually use in lateral cephalometric for example Ricketts analysis that draw the line from pogonion to the tip of nose. The biggest tribe in Indonesia is Javanese, according to Heryumani, the Javanese have a specific characteristic for example: Javanese people don't have a long nose and the chin not really uppermost, thick lip, convexs profile (proportion of nose, lip, and chin) and female more convexs than male. **Purpose:** Know the relation between Tweed triangle and upper lip and lower lip to esthetic line according to Ricketts. **Methods:** Photo of facial profile as according to sample criteria then silhouette black and white and then selected by orthodontist and *lay persons*. Then the selected sample will take a photo by lateral cephalometric radiograph. and will be measured the angle of Tweed triangle and the lip position to esthetic line. **Result:** The amount of FMA 28.83^0, FMIA 56.74^0, and IMPA 94.43^0. The upper lip distance between male were closer rear the esthetic line than female, while the lower lip of male located in front of esthetic line and female lower lip located rare of esthetic line. **Conclusion:** There is corelation between FMA and FMIA with lower lip. There is no corelation between IMPA towards upper lip and also lower lip.

Keyword: Tweed triangle, upper lip, lower lip, esthetic line

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