

## **Cephalometrics Comparison between Natural Head Position and Convention Method**

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The purpose of this study was to compare Cephalometric parameter between Cephalograms from Natural Head Position and Convention Method from Department of Radiology. Samples were 30 dental students from Chulalongkorn University. The natural head position of the subjects were studied and recorded with photographs by orientation standing subjects in relaxing position, looking straight into the mirror on the wall in front of them. This position was the least variation and was used to align the head to attain cephalograms. The two sets of cephalograms were analysed by computer program " Compu-Ceph version 2.0 " by scanning the head film into program and used the cursor to mark reference points, then chose the Steiner's analysis. 10 measurements were compared by pair-sample T-test statistic. The study indicated that all measurements showed statistic significant in correlation and no statistic significant difference between the measurements from natural head position and convention method ( $\alpha=0.05$ ). GoGn-SN was the only one from ten measurements which indicated statistically difference ( $\alpha=0.05$ ). The difference may cause from whether the error of determining reference points or the orientation of the subjects' head position that might conduct to further study.

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