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Abstract

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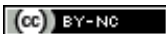
Precision in orthodontic diagnosis can increase the chance of therapeutic success. The objective of this study was to describe the development of a computerized system (prototype), created from a printed table of the Cranial Facial Analysis and Total Dentition Space Analysis with Difficulty Index - Tweed-Merrifield Analysis - in order to aid orthodontic diagnosis. The analysis was transposed from the manual format to the digital format. A user-logical and clear interface was sought for the development of the prototype, consisting of tables and graphs, including automatic, fast and accurate calculations. The result was the immediate visualization of the resolution of the analysis after filling out the fields on the computer. This technological innovation can be a helpful instrument for the orthodontist that favors a more accurate dental-cranial-facial analysis, increases patient safety, orients conduct and may contribute to teaching and research.

Keywords : Orthodontics; Cephalometry; Medical informatics.

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