



# COMPARISON OF EXPERIENCE CURVES BETWEEN TRIOS® AND MEDIT® INTRAORAL SCANNER

## Introduction

Intraoral scanner (IOS) is an equipment which digitally records three dimensional (3D) image directly from the oral cavity. However, IOS is still considered as a very new innovation which unavoidably required completely new skills. Although most of the IOS's inventors have claimed their ease of use in terms of its convenient and short scan time, some dentists, especially orthodontists who need to do a complete full-mouth scan, may hesitate to step forward from conventional impressions to digital scanning. This study is conducted to provide information on experience curves by observing the scan time.

## Objective

To compare the experience curves between two (Trios® and Medit®) among undergraduate dental students and determine whether iterated scanning could affect scan time.

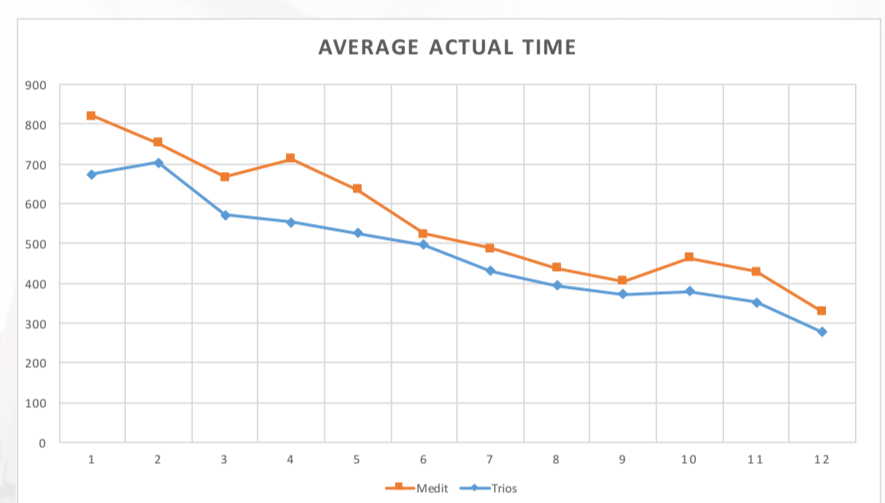
## Methods

Twenty-four undergraduate dental students were recruited in this study, the dental students were allocated into two groups, Medit® and Trios®. Each subject was required to scan according to this sequence: one time in dentoform, ten times in patient, one time in dentoform. The scan time and actual time were recorded in two terms, the actual time and scan time. The scan time represents as the time was shown in the software. Actual time represents the beginning until finishing of scanning session.

## Data Analysis

The data was collected in SPSS 24.0 version. The comparison of the experience curves between two groups of intraoral scanner was analyzed.

## Result



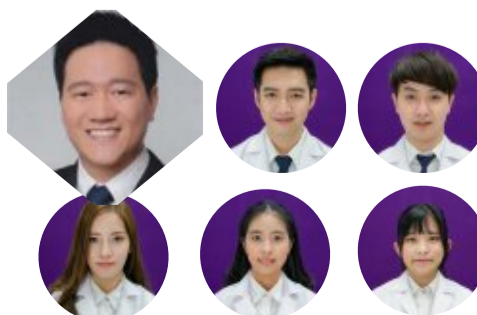
The average actual time for twelve sessions was greater with Medit® than Trios®, but a greater decrease in average actual time was observed in Medit®. The learning rate of Medit® was not influenced by patient factor, though Trios® was affected.

## Conclusion

The learning rate for Medit® was faster, but the average actual time for Medit® was greater than Trios®. There was slightly significance difference between experience curve of Medit® and Trios®

## Key words

- Dental student = Fifth and sixth-year dental students, College of dental medicine of Rangsit University
- IOS = Intraoral scanner



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