

The Development of Computer Knowledge in Sophomore Dental Students of Chulalongkorn University in Academic Year 2002

*Phiwkum P., Buravatcharachai V., Wiwatwarrapan c. Department of Prosthodontics'

This study was conducted to observe whether there was any development of computer knowledge in Sophomore dental students of Chulalongkorn University in academic year 2002 from taking Software Package course. Observation was done by using questionnaire. The questionnaires used before and after learning were alike in details. The questions were about the knowledge of Computer Hardware and Windows, Utility Programs, Search Engine, Excel, Access, Graphics, Powerpoint and Electronic Mail and Web-based Instruction Programs. The data was analyzed by Wilcoxon Signed Rank Test. In all students, the later knowledge of all topics was significantly better than the previous one ($p < 0.05$). In male students only, the later knowledge of some topics (e.g. scan virus in computer) was not significantly better than the previous one ($p < 0.05$). In female students only, the later knowledge of all topics was significantly better than the previous one ($p < 0.05$). The correlation between average hours for using computer per week and the knowledge was analyzed by Pearson Correlation. Before learning, the results indicated that average hours related significantly to the knowledge in some topics (e.g. Utility Programs) ($p < 0.01$). After learning, in the same way, there was significant relation between average hours and the knowledge in some topics (e.g. Computer Hardware and Windows) ($p < 0.01$).

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