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Thesis Title : A Comparative Study of Learning Achievement by Using On-Picture Frame Caption and Off-Picture Frame Caption Video Tape Program.

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Abstract

The purpose of this research was to study the learning achievement on " Analytical Balance " from using on-picture frame caption and off-picture frame caption video tape program. The sample group was 74 first year students of the 1991 academic year in Medical Science Technology Program of Certification, Division of Health Laboratory Quality Control, Department of Medical Science, Ministry of Public Health. Systematic sampling assigned into 2 experimental groups, each group comprised of 37 students.

The research instruments were as follow: on-picture frame caption and off-picture frame caption video tape programs developed by the researcher. The pre-test was administered 1 week before given video tape programs. Right after finishing each video tape program, they were given post-test. The learning achievement scores from the pre-test and post-test were then analyzed to obtain the arithmetic mean, standard deviation and validated by means of Z-test.

The finding revealed that students' learning achievement from off-picture frame caption more than those with on-picture frame caption at the statistical 0.05 level.