

Krivichian Noyvibol 2007: Effects of the Ball Training upon Eye and Hand Reaction Time of Autistic Children. Master of Arts (Physical Education), Major Field: Physical Education, Department of Physical Education. Thesis Advisor: Assistant Professor Sirichai Sriprom, M.A. 92 pages.

The purpose of the research was to study and compare Effects of the Ball Training upon Eye and Hand Reaction Time of Autistic Children. The participants were twenty male autistic students aged from seven to ten years old at Kasetsart University Laboratory School in the second semester year 2005. They were selected by using purposive random sampling.

The instruments were physical education activities and the ball training. The participants were divided into two groups (experimental and controlled groups). Both groups were engaged in all physical education activities but the ball training was also included in the experimental group. The research was carried out 3 days a week for 8 consecutive weeks (Monday, Wednesday and Friday). The experimental group was pre – tested for the reaction time of eye and hand in the first week and a post – test, after the eighth week. The collected data were analyzed by mean, standard deviation and two–way analysis of variance with repeated measures. T-test was used to compare the effect of the ball training upon eye and hand reaction time of autistic children.

The result showed that the autistic children trained in physical education activities and the ball training has made a significant difference at the level of .05 by t-test when compared with the controlled group trained only in physical education activities.

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