

An investigation of spherical and tripod grip strength in 4-6 years old children

abstract

In this survey spherical grip and tripod pinch strength in 200 normal right and left handed was evaluated in the children ages of 4-6 years with standard positioning and instructions that confirmed by American society of hand therapists and orthopedic surgeons, then hypothesis of this survey was evaluated.

The struments of this study were martin vigorimeter, kolis, meter, Balance scale. Summery of results was:

There was no significant difference between means of Rt. and Lt. Spherical grip strength boys and girls, but these was significant difference between means of Rt and Lt. tripod pinch strength boys and girls.

There was significant difference between means of Rt. and Lt. Spshesical grip and tripod pinch in Rt-handeds, but there was no significant difference between means of Rt. and Lt. Spherical grip and pinch strength in Lt-handeds.

-There was a positive relationship between spherical grip and tripod pinch with weight, height, palmar width, middle finger length.

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