

Title: Creating a Video Manual of Proper Administration of the Purdue Pegboard Test According to the Czech Extended Version of the Manual for the Purdue Pegboard Test (PPT): Model 32020A

Abstract:

A common consequence of a stroke is a fine motor skills dysfunction. The widely used Purdue Pegboard Test (PPT) measures the dexterity of the fingers of each hand separately or both together. The tested subject should insert as many components as possible into the holes in the test board during five time-limited subtests exactly according to the instructions written in the manual. In the Czech Republic, various working versions of the translation of the manual have been used so far, containing verbal instructions necessary for the administration of the test. In October 2021, the Czech Extended Version Manual for Purdue Pegboard Test (PPT): Model 32020A was published. In addition, it contains new rules for solving and evaluating situations (e.g. falling of a peg on the ground, changing hands during making assemblies), which therapists have not yet dealt with uniformly. Audio recordings of verbal instructions are also available to facilitate PPT correct administration.

The aim of this bachelor's thesis was to create a videomanual of proper PPT administration according to the already mentioned new version of the manual, for people after stroke and for a healthy population. The partial goal was to compare the advantages and disadvantages of PPT with selected standardized tools focused on testing of fine motor skills.

Testing of four patients after stroke and two healthy persons was recorded on video after signing an Informed Consent. A video manual was created from these recordings using a Shotcut software.

The video manual is intended for training of students of occupational therapy and occupational therapists who use PPT in practice or research, which will contribute to the uniform use of PPT in the Czech Republic.

PPT proved to be a tool of a medium price, requiring longer administration time, but with fixed rules for administration, time limits for subtests, the presence of a test trial and evaluation not only of the quality of fine motor skills.

Key words: Purdue Pegboard Test, occupational therapy, fine motor, videomanual, standardized test