

Title: Advantages and Disadvantages of Using the New Czech Extended Version of the Manual for Purdue Pegboard Test

Abstract:

The Purdue Pegboard Test (PPT) is a pin test used by occupational therapists to evaluate fine motor skills. Newly to the PPT in 2021, a collective of authors from the Klinika rehabilitačního lékařství 1. lékařské fakulty Univerzity Karlovy a Všeobecné fakultní nemocnice v Praze (Clinic of rehabilitation medicine 1st Faculty of Medicine Charles University and General University Hospital in Prague) has created a Czech extension manual that includes new rules for evaluating situations that arise during PPT testing.

The aim of the bachelor's thesis was to determine the advantages and disadvantages of using the New Czech Extended Version Manual for Purdue Pegboard Test in occupational therapy in the Czech Republic. The partial goal was to create a Practice quiz to test knowledge of the New Czech Extended Version Manual for Purdue Pegboard Test.

In order to find out the advantages and disadvantages of the test under study, I practically tried the test on eight probands and also conducted an online questionnaire survey. This survey was addressed to occupational therapists and occupational therapy students of the Czech Republic. Responses from 195 respondents were analyzed using MS Excel. The testing was filmed and the video recordings after editing used in a Practice quiz, which is part of an already developed online course for PPT available only to ČAE (Czech Association of Occupational Therapists) members through the portal <https://kurzy.lf1.cuni.cz/>. Attender to the course can test their knowledge of the instructions of the New Czech Extended Version Manual for Purdue Pegboard Test in Practice quiz.

From the questionnaire survey and the own testing, the biggest advantage was the possibility of using an annex with rules for dealing with situations that may arise during testing. Another advantage is the Czech translation of the manual for PPT. Disadvantages are the absence of normative data for the Czech population and the absence of contraindication criteria for selecting probands for PPT testing.

The results of the questionnaire survey and own testing shows significant advantages of using the New Czech Extended Version Manual for Purdue Pegboard Test.

Key words: Purdue Pegboard Test, Standardized test, Fine motor skills, Occupational therapy, Czech Republic