

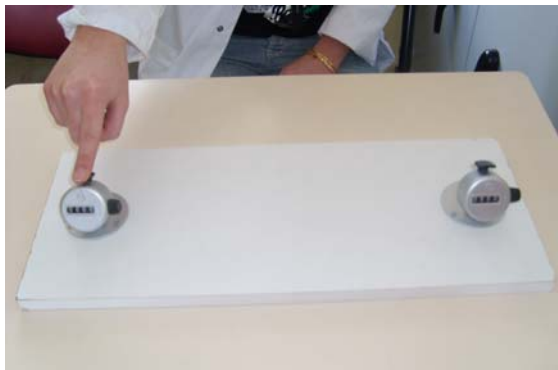
Composite Cerebellar Functional Severity Score (CCFS)



Nine-hole pegboard test

The patient is seated and holds nine dowels (5mm in diameter and 38mm long) in one hand and places them randomly, one by one, with the other hand in a board with nine holes. Timing begins when the first peg is placed in a hole and ends when the last peg is placed. The examiner holds the board steady on the table during the test. The trial is performed with the dominant hand. If the patient drops a peg the examiner stops the timer and the patient starts the test again once from the beginning.

Timing Dominant hand: _____ sec



Click test

The patient is seated facing the examiner across a table on which is placed a device composed of two mechanical counters fixed on a wooden board 39 cm apart. The patient uses his index finger to press the buttons on the counters alternately 10 times. Timing begins when the first button is pressed and stops when the second counter reaches 10. The trial is performed once with the dominant hand.

Timing Dominant hand: _____ sec

$$\text{CCFS} = \log_{10} (7 + Z \text{ pegboard dominant hand} / 10 + 4 * Z \text{ click dominant hand} / 10) = \underline{\hspace{2cm}}$$

where
and

$$Z \text{ pegboard dominant hand} = \text{Pegboard dominant hand} - (13.4 - 0.16 * \text{age} + 0.002 * \text{age}^2)$$

$$Z \text{ click dominant hand} = \text{Click dominant hand} - (8 + 0.05 * \text{age})$$

(Mean normal values 0.85 ± 0.05 (0.64 – 0.94))