Line Tracing Test

Although gait is the primary indicator for treatment candidacy and outcome for idiopathic normal pressure hydrocephalus, additional monitoring tools are needed. Line Tracing Test (LTT) and Serial Dotting Test (SDT), two psychomotor tasks, have been introduced as potential outcome measures.

Findings indicate LTT and SDT may prove useful for monitoring psychomotor skills in INPH. While completion time reflects impaired processing speed, reduced accuracy may suggest planning and self-monitoring difficulties, aspects of executive functioning known to be compromised in INPH. This is the first study to underscore the importance of performance accuracy in INPH and introduce practical/reliable error scoring for these tasks. Future work will establish reliability and validity of these measures and determine their utility as outcome tools [1].

1)
Rossetti MA, Piryatinsky I, Ahmed FS, Klinge PM, Relkin NR, Salloway S, Ravdin LD, Brenner E, Malloy PF, Levin BE, Broggi M, Gavett R, Maniscalco JS, Katzen H. Two Novel Psychomotor Tasks in Idiopathic Normal Pressure Hydrocephalus. J Int Neuropsychol Soc. 2016 Mar;22(3):341-9. doi: 10.1017/S1355617715001125. Epub 2016 Jan 28. PubMed PMID: 26817685.