

## Supplemental Digital Content 1

### Table

Tests included in comprehensive neuropsychological test battery

Cognitive Domain	Test	Normative Data
<i>Premorbid IQ</i>	National Adult Reading Test – 2nd Ed. <sup>†</sup>	Nelson & Willison (1991) [S1]
<i>Speed of information processing</i>	WAIS-III Digit-Symbol Coding <sup>†</sup>	WAIS-III Administration & Scoring Manual (1997) [S2]
	Trail Making Test – Parts A & B <sup>†</sup>	Heaton <i>et al.</i> (2004) [S3]
<i>Attention/working memory</i>	WMS-III Digit Span – Forward Span & Backward Span	WMS-III Administration & Scoring Manual (1997) [S4]
	Ruff 2 & 7 Selective Attention Test	Ruff & Allen (1996) [S5]
<i>Learning/memory</i>	WMS-III Logical Memory I & II	WMS-III Administration & Scoring Manual (1997) [S4]
	WMS-III Visual Reproduction I & II	Kolb & Wishaw (1990) [S6]
	Rey Complex Figure or Taylor Complex Figure – 30-minute delayed recall	
	Rey Auditory Verbal Learning Test	Geffen <i>et al.</i> (1990) [S7]
<i>Verbal/language</i>	Boston Naming Test	Strauss <i>et al.</i> (2006) [S8]
	Controlled Oral Word Association Test – FAS	Gladjo <i>et al.</i> (1999) [S9]
	Semantic Fluency – Animals	Gladjo <i>et al.</i> (1999) [S9]
<i>Visuoconstruction</i>	Rey Complex Figure or Taylor Complex Figure – Copy	Kolb & Wishaw (1990) [S6]
<i>Simple motor functioning</i>	Grooved Pegboard – Dominant & Non-Dominant Hand <sup>†</sup>	Heaton <i>et al.</i> (2004) [S3]
<i>Abstraction/executive functioning</i>	WAIS-III Similarities ±WAIS-III Matrix Reasoning ±Wisconsin Card Sort Test	WAIS-III Administration & Scoring Manual (1997) [S2] Heaton <i>et al.</i> (1993) [S10]
<i>Mood/emotional functioning</i>	Depression Anxiety Stress Scale – 42 item version	Lovibond & Lovibond (1995) [S11]

*Note.* WAIS-III=Wechsler Adult Intelligence Scale – 3<sup>rd</sup> Ed; WMS-III=Wechsler Memory Scale – 3<sup>rd</sup> Ed.

This comprehensive standardized neuropsychological testing constitutes the gold standard for diagnosing HAND. It was administered during the screening phase when the results of the brief study neurocognitive battery were inconclusive.

<sup>†</sup>Results previously obtained from brief study neurocognitive battery – tests were not repeated.

## Supplemental References

S1. Nelson HE, Willison J. *National Adult Reading Test (NART): Test manual (2<sup>nd</sup> Ed.)*. Windsor, UK: NFER Nelson.

S2. Wechsler D. *Wechsler Adult Intelligence Scale-Third Edition Administration and Scoring Manual*. San Antonio, TX: The Psychological Corporation; 1997.

S3. Heaton RK, Miller SW, Taylor MJ, Grant I. *Revised Comprehensive Norms for an Expanded Halstead Reitan Battery: Demographically Adjusted Neuropsychological Norms for African American and Caucasian Adults*. Lutz: Psychological Assessment Resources, Inc; 2004.

S4. Wechsler D. *Wechsler Memory Scale-Third Edition Administration and Scoring Manual*. San Antonio, TX: The Psychological Corporation; 1997.

S5. Ruff RM, Allen CC. *Ruff 2 & 7 Selective Attention Test professional manual*. Odessa, FL: Psychological Assessment Resources, Inc; 1996.

S6. Kolb B, Whishaw I. *Fundamentals of Human Neuropsychology*. New York, NY: W. H. Freeman & Co.; 1990.

S7. Geffen G, Moar KJ, O'Hanlon AP, Clark CR, Geffen LB. **Performance measures of 16- to 86-year old males and females on the Auditory Verbal Learning Test**. *Clin Neuropsychol* 1990; **4**:45–63.

S8. Strauss E, Sherman EMS, Spreen O. *A compendium of neuropsychological tests: administration, norms, and commentary (3<sup>rd</sup> Ed.)*. New York: Oxford University Press; 2006.

S9. Gladsjo JA, Schuman CC, Evans JD, Peavy GM, Miller W, Heaton RK. **Norms for letter and category fluency: Demographic corrections for age, education and ethnicity**. *Assessment* 1999; **6**:147.

S10. Heaton RK, Chelune GL, Talley JK, Kay GG, Curtis G. *Wisconsin Card Sorting Test (WCST) manual, revised and expanded*. Odessa, FL: Psychological Assessment Resources; 1993.

S11. Lovibond PF, Lovibond SH. *Manual for the Depression Anxiety Stress Scales*. (2nd. Ed.). Sydney, Australia: Psychology Foundation; 1995.