

## Sample IVA-2 Comparative Report

Name: Case, Sample

Sex: M Report Date: 11/12/2014

Test 1 Date: 11/3/2014 03:10 PM On Meds: N Auditory Response Validity Check: Valid

Visual Response Validity Check: Valid

Test 2 Date: 11/12/2014 09:04AM On Meds: N Auditory Response Validity Check: Valid

Visual Response Validity Check: Valid

This IVA-2 Comparative Report was prepared in order to examine changes that may have resulted from treatment interventions. It can be used by examiners to help them in evaluating the effectiveness of various treatments or to assess the effect of events that may impair functioning. This report may prove useful in examining the impact of concussions or neurodegenerative diseases on attention and response control. Significant increases or decreases in the scale scores are identified and discussed below.

Four of the **Attention Global scales** showed substantial improvement. None of the Attention and Sustained Attention Global Scales significantly declined. This individual made a significant improvement in his overall ability to pay attention as measured by the Attention Full Scale. The Auditory Attention Scale score of this individual showed a significant increase. The visual attentional functioning for this individual improved significantly as measured by the Visual Attention Scale. The Visual Sustained Attention Scale score of this individual rose significantly.

None of the **Response Control Global Scales** showed a significant improvement.

Only one of the Response Control Global Scales significantly declined. The Visual Response Control Scale score showed a significant decrease.

Of the **Key Primary Attention Scales**, four showed significant improvement. None of the Key Primary Attention Scales significantly declined. Improvement was found for this individual's visual attention, demonstrated by a significantly higher Visual Vigilance Scale score on the second test. The ability of this individual to respond quickly to auditory stimuli with less variability of reaction time was significantly greater for the second test administration, as measured by the Auditory Focus Scale. In responding to visual targets, this individual showed less variability in his reaction time, as demonstrated by a higher Visual Focus Scale score. The mean reaction time for this individual's responses to auditory stimuli, as reflected on the Auditory Speed Scale, was significantly faster for the second test administration compared to the first.

For the **Response Control Primary Scales**, two showed substantial improvement. Three of the Response Control Primary Scales significantly declined. This individual's impulse control in response to auditory stimuli improved as measured by the Auditory Prudence Scale. A decline was found for this individual's visual impulsivity control, demonstrated by a lower Visual

Prudence Scale score. The Auditory Consistency Scale score, which measures the ability to stay on task for auditory targets, rose significantly. This individual's ability to respond quickly to auditory stimuli revealed a significant decline during the course of the second test, showing diminished mental endurance that was reflected in the Auditory Stamina scale score. The ability to maintain and improve reaction time in response to visual stimuli over the course of a test was significantly less for the second test administration compared to the first as reflected by the Visual Stamina scale.

No significant difference was found in the **Fine Motor Hyperactivity Scale** score between the second and first tests.

For the **Symptomatic Scales**, only one showed substantial improvement. None of the Symptomatic Scales significantly declined. He showed an improvement in his ability to maintain his performance during the Cool-down period after the end of the main section of the IVA-2 test for auditory stimuli based on the Auditory Persistence Scale.

Signature John A. Smith, Ph.D.

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