

## IVA-AE2 Comparative Report - Extended Test

Name: Case, Sample

Sex: M Report Date: 8/24/2015

Test 1 Date: 12/20/2014 11:57 AM On Meds: N

Auditory Response Validity Check: Invalid (excessive idiopathic errors)

Visual Response Validity Check: Valid

Test 2 Date: 8/24/2015 11:56 AM On Meds: U

Auditory Response Validity Check: Valid

Visual Response Validity Check: Valid

This IVA-AE2 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.

All of the **Attention Global scales** showed substantial improvement. 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. Auditory Sustained Attention improved significantly. The Visual Sustained Attention Scale score of this individual rose significantly.

All of the **Response Control Global Scales** showed a significant improvement. This individual made a significant improvement in his overall response control abilities as indicated by the Response Control Full Scale scores. This individual's Auditory Response Control showed significant improvement. The Visual Response Control Scale score showed a significant increase.

Of the **Key Primary Attention Scales**, all showed significant improvement. This individual improved his ability to stay attentive to auditory stimuli as measured by the Auditory Vigilance Scale. 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. On average, this individual responded to visual targets significantly faster on the second test, as indicated by the Visual Speed Scale score.

For the **Response Control Primary Scales**, four showed substantial improvement. None 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. The Auditory Consistency Scale score, which measures the ability to stay on task for auditory targets, rose significantly. For visual targets, this individual improved his

ability to stay on task and respond promptly as demonstrated by the Visual Consistency Scale. This individual's ability to respond quickly to auditory stimuli was significantly better during the course of the second test, showing improved mental endurance that was reflected in the Auditory Stamina scale score.

A significant improvement for the **Fine Motor Hyperactivity Scale** was found for this individual, indicating an ability to fidget less when making responses during the second test as compared to the first test administration.

For the **Symptomatic Scales**, three showed substantial improvement. None of the Symptomatic Scales significantly declined. On the second test, he showed an improvement in his ability to make both steady and reliable responses to auditory stimuli based on the Auditory Comprehension Scale. The Visual Comprehension Scale indicates that this individual had a significant improvement on the second test in his ability to make steady and reliable responses to visual stimuli. The Auditory Sensory/Motor Scale score indicated this individual's simple response time to auditory test stimuli showed an improvement for the second test relative to the first.

I have reviewed the test scores in this interpretative report and have modified them as necessary in accordance with my comprehensive evaluation, the client's history and other relevant clinical data.

Signature John A. Smith, Ph.D.

Name John A. Smith, Ph.D.

Title Clinical Psychologist