IVA-QS Comparative Report

Name: Public, John
Sex: M Report Date: 11/7/2014

Test 1 Date: 11/20/2001 10:11 AM On Meds: N
Medication 1 Taken: 10mg Ritalin 2x - 11/20/2001 12:00 AM
Auditory Response Validity Check: Valid
Visual Response Validity Check: Valid
Comment: baseline - off meds

Test 2 Date: 12/4/2001 09:50AM On Meds: Y
Medication 1 Taken: 10mg Ritalin 2x - 12/04/2001 12:00 AM
Auditory Response Validity Check: Valid
Visual Response Validity Check: Valid

This IVA-QS Comparative Report was prepared in order to examine changes that may have resulted from psychological or medical treatments. It can be used to help titrate medications or to evaluate behavioral interventions. This report may also be 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 **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.

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.

Of the **Attention Primary Scales**, five showed significant improvement. None of the Attention Primary Scales significantly declined. 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. 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. Only one 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. 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. The ability to maintain and improve reaction time in response to visual stimuli over the course of a test was significantly greater for the second test administration compared to the first as reflected by the Visual Stamina scale.

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**, all showed substantial improvement. 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. This individual's response to visual test stimuli was substantially faster, showing improvement on the second test relative to the first, as reflected by the Visual Sensory/Motor Scale score.

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Signature

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Name

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Title