IVA - Advanced Edition
Core ADHD Interpretive Report - Extended Test

Prepared for Curly Sue on 6/20/2007

Test Date: **12/21/2004** ***Test Time:*** **10:40:00 AM** *Age:* 24 *years* 7 *months* *Sex:* F *On Meds:* N

Diagnosis: *Group Code:* *ID Code:*

Medications:

Comment:

End Note:

OVERVIEW OF THE IVA-AE CPT AND GENERAL INTERPRETIVE GUIDELINES

The IVA-AE CPT (Integrated Visual & Auditory Continuous Performance Test - Advanced Edition) in this Extended Test version, is a test of attention that measures responses to 1000 intermixed auditory and visual stimuli spaced 1 second apart. The task is to click the mouse when the target stimulus is a visual "3" or an auditory "5" and to refrain from clicking when the stimulus is a visual "5" or an auditory "3."

This report is designed to aid qualified professionals in evaluating auditory and visual attention. It is confidential and should be distributed in accordance with professional guidelines. The report provides possible suggestions and hypotheses for the examiner, but it is not to be construed as prescriptive, definitive or diagnostic. Only "working" diagnoses are indicated by the test results. A working diagnosis is defined as the first diagnosis that the clinician should consider, but it is by no means conclusive. The IVA-AE test does not make a diagnosis, but is designed to help the examiner to make a diagnosis. Given the complexity of ADHD symptoms and the limitations of a single test, this working diagnosis is inherently limited and may be incorrect. The clinician should review the report in the context of other information such as behavioral ratings of attention, behavior, social and educational background, emotional state, physical health, medication effects, recent environmental stressors, and data from other tests. As with all mental and performance tests, test conditions and inadequate motivation can significantly compromise a test's validity.

VALIDITY OF TEST RESULTS

This individual demonstrated sufficient understanding of the task for the test results to be considered valid in both the auditory and visual modalities for the Global and Primary scales.

IVA-AE DIAGNOSTIC INTERPRETIVE GUIDELINES

These test results do not support a working diagnosis of ADHD. No significant impairment was found in respect to this individual's overall response control, attentional functioning or ability to sustain her attention based on all the global IVA-AE quotient scale scores.

If the clinical history or other clinical data strongly indicate behavioral symptoms consistent with a working diagnosis of ADHD, then an examiner may decide to discount these test findings in making his or her clinical diagnostic decision. In this case, when the IVA-AE test results are incongruent with the other assessment data based on self-report, behavioral rating scale scores, clinical history, behavioral observations, general clinical impressions and/or other psychological test results available to the examiner, alternative diagnoses and/or causal factors that may impact self-control and attentional functioning will need to be considered. Even when the IVA-AE test data is not in agreement with the examiner's clinical judgment, the following review and discussion of the various scales that comprise the IVA-AE test may prove useful in clarifying factors that are likely to influence positively or negatively this individual's functioning in her life.

SUMMARY OF TEST RESULTS FOR THE IVA-AE GLOBAL SCALES

This individual's overall global quotient scale score for the **Full Scale Response Control** scale was 111 (PR=76). This score fell in the above average range. Her **Auditory Response Control** quotient scale score was 107 (PR=69). This global scale score fell in the average range. This individual's **Visual Response Control** quotient scale score was 112 (PR=79). This global scale score fell in the above average range.

This individual's overall quotient score on the **Full Scale Attention** scale was 114 (PR=82). This global scale score fell in the above average range. Her **Auditory Attention** quotient scale score was 114 (PR=82) and this global scale score fell in the above average range. This individual's **Visual Attention** quotient scale score was 111 (PR=76). This global scale score was classified as falling in the above average range.

This individual's global quotient score on the **Combined Sustained Attention** scale was 115 (PR=84). This score fell in the above average range. Her global **Auditory Sustained Attention** quotient scale score was 115 (PR=84) and it fell in the above average range. This individual's global **Visual Sustained Attention** quotient scale score was 112 (PR=79). This score was found to fall in the above average range.

RESPONSE CONTROL PRIMARY SCALES

Prudence And Reliability

This individual's **Auditory Prudence** quotient scale score of 91 (PR=27) fell in the average range. This individual was found to be functioning in the average range with respect to her ability to inhibit responses to non-target auditory stimuli.

She did not demonstrate any problems with respect to the **Auditory Reliability** scale. Her quotient score on this scale was 105 (PR=62), which falls in the average range. Thus, she was able to avoid making impulsive idiopathic errors that would lead to careless or inappropriate responses in her home and/or work environments. This individual is likely to

be able to be accurate in detailed tasks and to remember and follow rules well.

This person's **Visual Prudence** quotient scale score of 106 (PR=66) fell in the average range. No problems with inhibition to non-target visual stimuli were identified. This individual demonstrated an average ability to control her responses and inhibit appropriately to non-target visual stimuli.

She did not demonstrate any problems with respect to the **Visual Reliability** scale. Her quotient score on this scale was 112 (PR=79), which falls in the above average range. Thus, she was able to avoid making impulsive idiopathic errors that would lead to careless or inappropriate responses in her home or work environments.

Consistency

This individual was superior in her ability to be consistent in her responses to auditory stimuli. Her **Auditory Consistency** quotient scale score was 127 (PR=96). This strength indicates the ability to sustain attention without being distracted by internal or external stimuli.

Her ability to be consistent in her responses to visual stimuli was above average. The **Visual Consistency** quotient scale score for this individual was 115 (PR=84). Even under distracting conditions or when stressed, this individual is likely to be consistent in her reaction time to visual stimuli. Working memory and the ability to sustain internal attention are indicated as areas of strength.

Stamina

This individual's **Auditory Stamina** quotient scale score of 94 (PR=34) fell in the average range. This person’s response time to auditory stimuli did not change significantly over the course of the test. She was able to maintain her mental processing speed in the auditory domain during the test.

This person's **Visual Stamina** quotient scale score of 102 (PR=54) fell in the average range. This person’s response time to visual stimuli did not change significantly over the course of the test. She was able to maintain her mental processing speed in the visual domain during the test.

Fine Motor Regulation

This person's **Fine Motor Regulation** quotient scale score was 109 (PR=73). Her score fell in the average range. This average quotient score for the Fine Motor Regulation scale indicates no significant problems in fine motor regulation. She is unlikely to exhibit problems with inappropriate off-task behavior in her home or work environment.

ATTENTION PRIMARY SCALES

Vigilance, Acuity and Elasticity

This person's **Auditory Vigilance** quotient scale score was 108 (PR=69), which falls in the average range. This individual did not show any problems

with her general auditory attentional functioning.

This individual's quotient score was 99 (PR=46) on the **Auditory Acuity** scale. This quotient score was in the average range. The Auditory Acuity scale showed that she did not have any difficulty paying attention under low demand conditions.

This individual's **Auditory Elasticity** quotient scale score was 116 (PR=86). This quotient score fell in the above average range. The Auditory Elasticity scale showed that she did not have any difficulty being accurate and mentally flexible in her attentional functioning under high demand conditions.

This person's **Visual Vigilance** quotient scale score of 112 (PR=79) fell in the above average range. This individual showed strength in her general visual attentional functioning in comparison to others of her age and gender.

On the **Visual Acuity** scale, this person's quotient score was 106 (PR=66). This quotient score falls in the average range. The Visual Acuity scale showed that she did not have any difficulty paying attention under low demand conditions.

This individual's **Visual Elasticity** quotient scale score was 114 (PR=82), which falls in the above average range. The Visual Elasticity scale showed that, under high demand conditions, she remained accurate and mentally flexible in her visual attentional functioning.

Focus, Dependability And Stability

This individual's **Auditory Focus** quotient scale score of 117 (PR=86) fell in the above average range. She demonstrated a strength in her ability to stay focused to auditory stimuli during the test and not to be distracted by either internal thoughts or external auditory distractions.

Her ability to respond reliably to auditory stimuli was evidenced by the **Auditory Dependability** scale. Her quotient score on this scale was 126 (PR=96), which falls in the superior range. Her response times to auditory stimuli did not significantly vary under low demand conditions.

In respect to recognition reaction time, she was able to respond in a reliable manner as evidenced by the **Auditory Stability** scale. Her quotient score on this scale was 117 (PR=86), which falls in the above average range. She demonstrated the ability to maintain her speed of response to auditory stimuli well under high demand conditions.

This person's **Visual Focus** quotient scale score of 115 (PR=84) fell in the above average range. A strength was found for this individual in her ability to stay focused to visual stimuli during the test. This ability to maintain her focus reflects a potential strength in her visual working memory when she is required to encode and process complex visual stimuli.

Her ability to respond reliably to visual stimuli was evidenced by the **Visual Dependability** scale. Her score on this scale was average. Her

response times to visual stimuli did not significantly vary under low demand conditions.

In respect to recognition reaction time, she was able to respond in a reliable manner as evidenced by the **Visual Stability** scale. Her quotient score on this scale was 113 (PR=82), which falls in the above average range. She demonstrated the ability to maintain her speed of response to visual stimuli well under high demand conditions.

Speed, Quickness And Swiftness

This individual's **Auditory Speed** quotient scale score of 99 (PR=46) falls in the average range. This individual did not show any problems with her overall auditory processing speed. Her recognition reaction time falls within the average range. Her processing speed shows that she is able to perceive quickly and respond adequately to auditory stimuli.

This individual's **Auditory Quickness** quotient scale score of 98 (PR=46) falls in the average range. Her quotient score on the **Auditory Swiftness** scale was 101 (PR=54). This quotient score is interpreted as average. No difference between the quotient scores for the Auditory Quickness and Auditory Swiftness scales was found. Thus, this individual's mean auditory reaction time was generally the same under both high and low demand conditions.

This person's **Visual Speed** quotient scale score of 96 (PR=38) falls in the average range. This individual did not show any problems with her overall visual processing speed. Her recognition reaction time falls within the average range. Her processing speed shows that she is able to perceive quickly and respond adequately to visual stimuli.

This individual's **Visual Quickness** quotient scale score of 94 (PR=34) falls in the average range. Her quotient score on the **Visual Swiftness** scale was 109 (PR=73). This quotient score is interpreted as average. Her score on the Visual Swiftness scale is significantly higher than her Visual Quickness score. This indicates that she performed faster under low demand conditions (i.e., when the non-targets were prevalent).

SYMPTOMATIC SCALES

Comprehension

This individual's **Auditory Comprehension** quotient scale score of 112 (PR=79) fell in the above average range. Her high quotient score on the Auditory Comprehension scale reflects a strength in her ability to sustain her attention and to avoid making impulsive responses. In her life she is unlikely to make careless or impulsive errors, and she is very likely to be able to sustain her attention to demanding tasks and to "keep up the pace." Further discussion regarding her specific strengths and any relative differences between the Steadiness and Reliability scales is provided below.

Her **Auditory Steadiness** quotient scale score was 112 (PR=79). This quotient score fell in the above average range. A relative strength was

found for this individual with respect to her ability to sustain attention extremely well under high demand conditions. This strength may enable her to compensate for any of her other attentional deficits.

On the **Auditory Reliability** scale, she had a quotient score of 105 (PR=62). This quotient score was in the average range. She did not have problems with respect to the Auditory Reliability scale. She did not make an excessive number of impulsive idiopathic errors of commission.

This person's **Visual Comprehension** quotient scale score of 108 (PR=69) fell in the average range. No major problems with functioning and performing adequately on the IVA-AE test were found for the Visual Comprehension scale. Overall, she performed well with respect to her ability to follow the test rules.

Her **Visual Steadiness** quotient scale score was 105 (PR=62). This quotient score fell in the average range. No significant problems with attention to visual stimuli under high demand conditions were identified. This individual understood the rule that required her to respond to visual targets, and she did this well.

On the **Visual Reliability** scale, she had a quotient score of 112 (PR=79). This quotient score was in the above average range. She did not demonstrate any problems with respect to the Visual Reliability scale. She did not make an excessive number of impulsive idiopathic errors of commission. She was not impulsive in this way and made few "oddball" responses to visual stimuli under low demand conditions.

Stillness

This person's **Stillness** quotient scale score was 108 (PR=69). Her score fell in the average range. This average quotient score for the Stillness scale indicates no significant problems with motoric self-control. She is likely to exhibit good fine motor control and not fidget when making responses to the test. She is unlikely to exhibit problems with fidgetiness in her home or work environment.

Sensory/Motor

This individual's **Auditory Sensory/Motor** quotient scale score of 85 (PR=16) fell in the slightly impaired range. Her auditory simple reaction time was slightly slower compared to her peers.

This person's **Visual Sensory/Motor** quotient scale score of 106 (PR=66) fell in the average range. Her visual simple reaction time showed her to be very similar to most of her peers.

I have reviewed the findings of this automated IVA - Advanced Edition Interpretive report. Any changes in the interpretation, based on my clinical judgment, are noted above and initialed.

Signature: _____

Examiner's Name: _____
Please Print

Date: _____