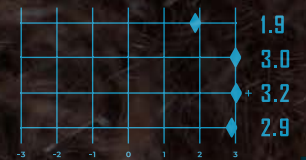


QbTest Sample Cases



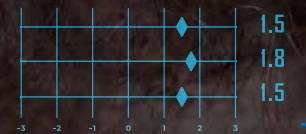
ACTIVITY

TIME ACTIVE 95%
DISTANCE 76.7m
AREA 271cm²
MICROEVENTS 28,900



INATTENTION

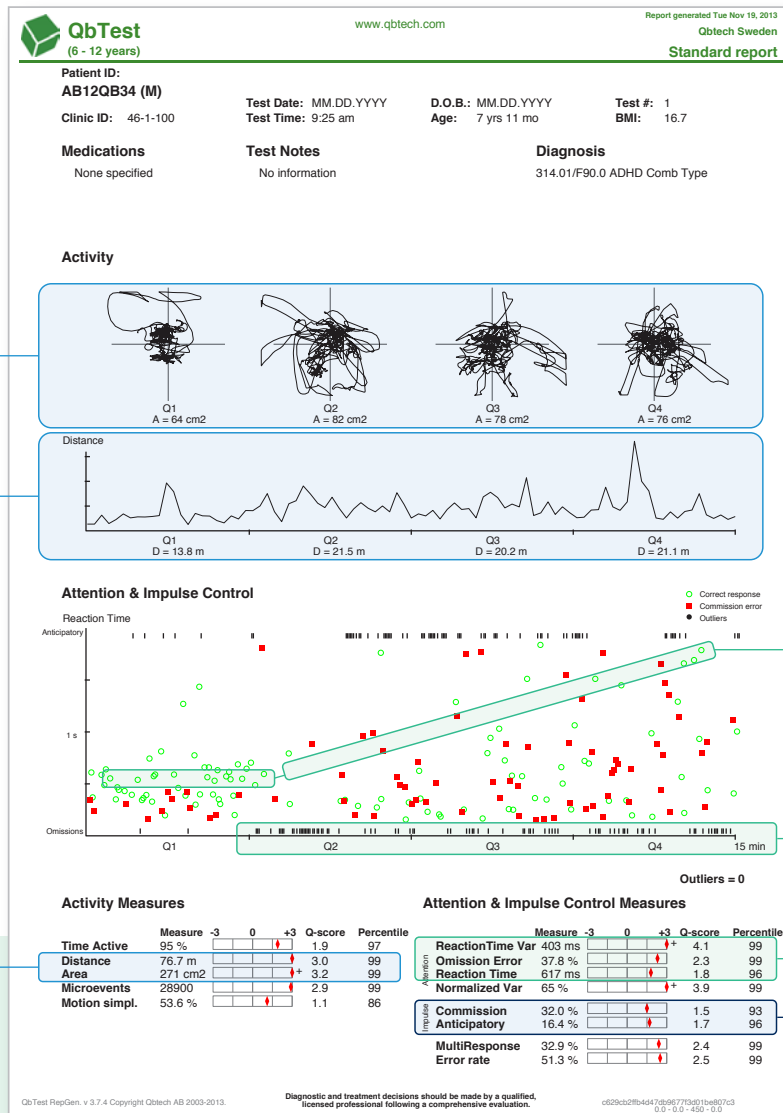
OMISSION ERRORS
REACTION TIME
VARIATIONS



IMPULSIVITY

COMMISSION ERRORS





1 Activity

A markedly hyperactive profile reflected by very high Q-Scores for Distance and Area. Notice that the Distance curve never touches the X-axis, indicating continuous motor activity.

2 Attention

For children, Reaction Time Variation is the most sensitive variable (unlike adolescents/adults where Omission Errors is the most sensitive). This test profile shows a clearly inattentive response style reflected by Reaction Time and Reaction Time Variation both increasing over time, in addition to high Omission Errors after the first quartile, indicating a deterioration in attention over the duration of the task.

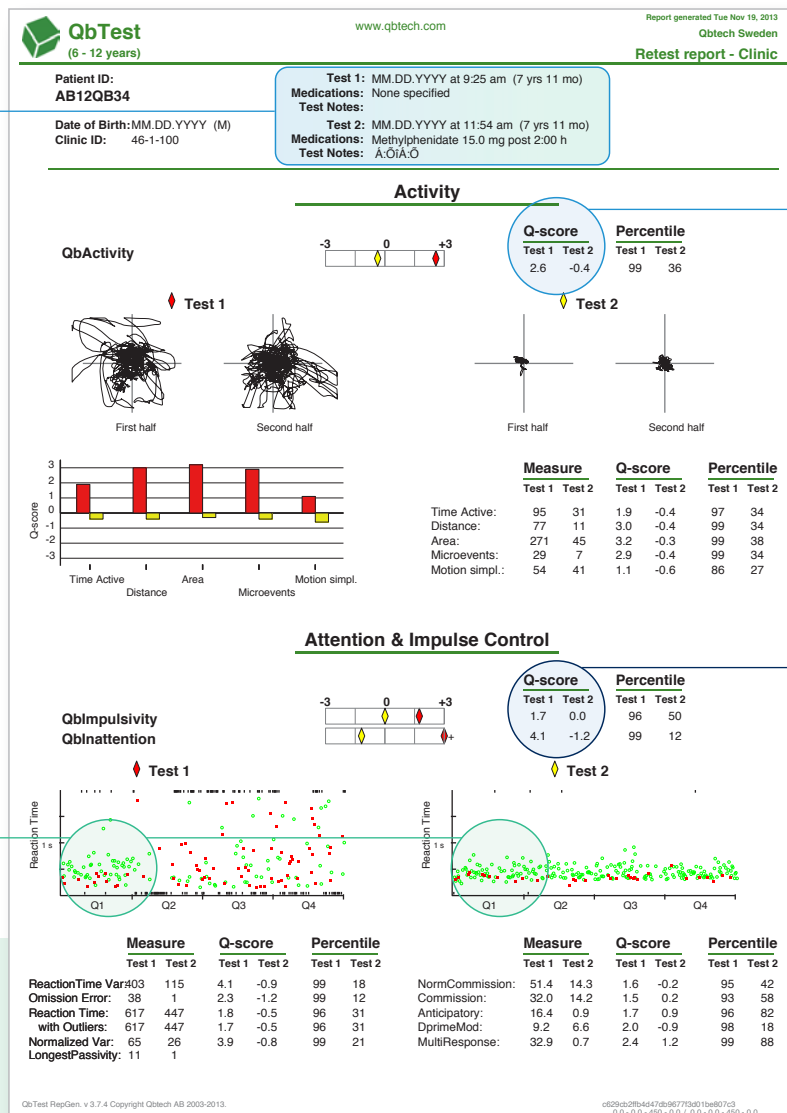
3 Impulsivity

A quite high degree of Anticipatory and Commission Errors. Note that many of the Commission Errors relative to the correct responses are faster (as seen in the Attention & Impulse Control graph). This may result from an incomplete processing of the stimuli resulting in a rapid but incorrect response.

When evaluating the effect of a treatment initiative, QbTest is performed at a time of the day when the drug exerts its effect.

A decrease of at least 0.5 Q-score for one or more cardinal parameters in the Retest Report – Clinic, if compared to a drug-naïve QbTest for the same individual, is indicative of a treatment response.

Test 1 is this individual's baseline QbTest without ADHD medication. Test 2 is a treatment response QbTest in which the individual has taken 15 milligrams of Methylphenidate 2 hours prior to completing the QbTest.



1 Activity

QbActivity cardinal parameter has significantly improved and is in the normal performance range in this treatment response test, indicating full response to treatment.

2 Attention

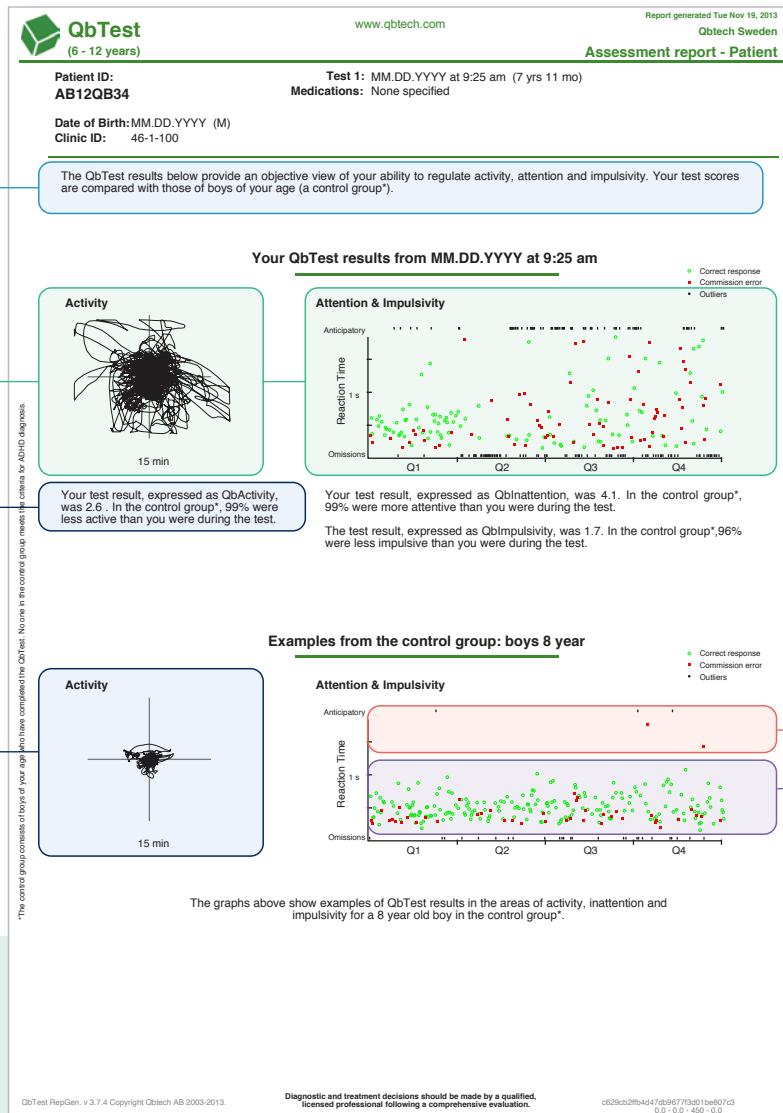
QbInattention cardinal parameter has significantly improved and is in the normal performance range in this treatment response test, indicating full response to treatment.

At baseline, this individual's attention measures show a pattern of deterioration with increasing Omission Errors, Reaction Time, and Reaction Time Variation over time into the test.

In his treatment response test, his performance in the first quartile is similar to baseline, but we see that with treatment the individual responds with consistent Reaction Time and Reaction Time Variation and without increasing Omission Errors, through the duration of the task, demonstrating ability to sustain attention.

3 Impulsivity

QbImpulsivity cardinal parameter has significantly improved and is in the normal performance range in this treatment response test, indicating full response to treatment.



1 When an individual completes a QbTest, their test performance is compared with a control group (individuals with no ADHD diagnosis or history of ADHD diagnosis) of the same age and gender. In the Assessment Report-Patient, cardinal parameters for each symptom area of ADHD are provided and compared with the control group with a description of how each symptom area compares to the control group.

2 A visual summary graph of the individual's overall activity level and response graph measuring attention and impulse control are displayed.

3 An example from the control group that the individual's scores are compared with is shown with a visual summary of overall activity level and response graph. This individual shows significantly higher activity levels than the example does from the control group.

4 This example from the control group shows consistent Reaction Time and Reaction Time Variation and significantly fewer Omission Errors over time, indicating sustained attention.

5 Note in the control group example significantly fewer Anticipatory Errors and Commission Errors, indicating high impulse control.

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with the Qbtech team**

