



Because there's more to know.

Patient Report: Katherine Reese

Patient Name:	Katherine Reese
Age:	12.08
Grade:	6
Administration Date:	Jun 23 2008 9:38 am
Gender:	Female
Type of Report:	Blue
Report ID:	80904_80904_1344
Data Quality Review:	Sufficient Data Collected
Clinician:	BioBDx Demo

Intended Use:

Rx only. Quotient™ ADHD Test results should be used as part of a comprehensive diagnostic evaluation, not as a substitute for the diagnostic process itself. Treatment decisions also should be based on a comprehensive diagnostic evaluation, not solely on Quotient™ ADHD Test results.

HIPAA Compliance:

This Patient Report is intended for the sole use of the individual and/or organization entity to whom it is addressed, and contains information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended addressee, nor authorized to receive for the intended addressee, you are hereby notified that you may not use, copy, disclose or distribute to anyone this Patient Report or any information contained in the Patient Report. If you have received this Patient Report in error, please immediately notify us and return it or destroy it.

Copyright Protection:

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Intellectual Property Protection:

The Quotient™ ADHD System is covered by one or more of the following Patents: United States Patent No(s): 6,685,652; Canadian Patent Application No(s): 2,410,041. Other U.S. and International Patents Pending.

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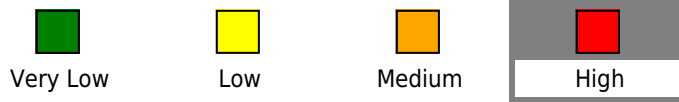
Test Date: Jun 23 2008 9:38 am
Date of Birth: May 24 1996

Gender: F **Age:** 12.08 **Grade:** 6

Comments:

QUOTIENT™ ADHD SYSTEM RESULTS

The Quotient™ ADHD System Index includes 19 indices, 6 for motion and 13 for attention. The resulting index score summarizes the degree of agreement between the Quotient™ ADHD Test results of this patient and ADHD patients.

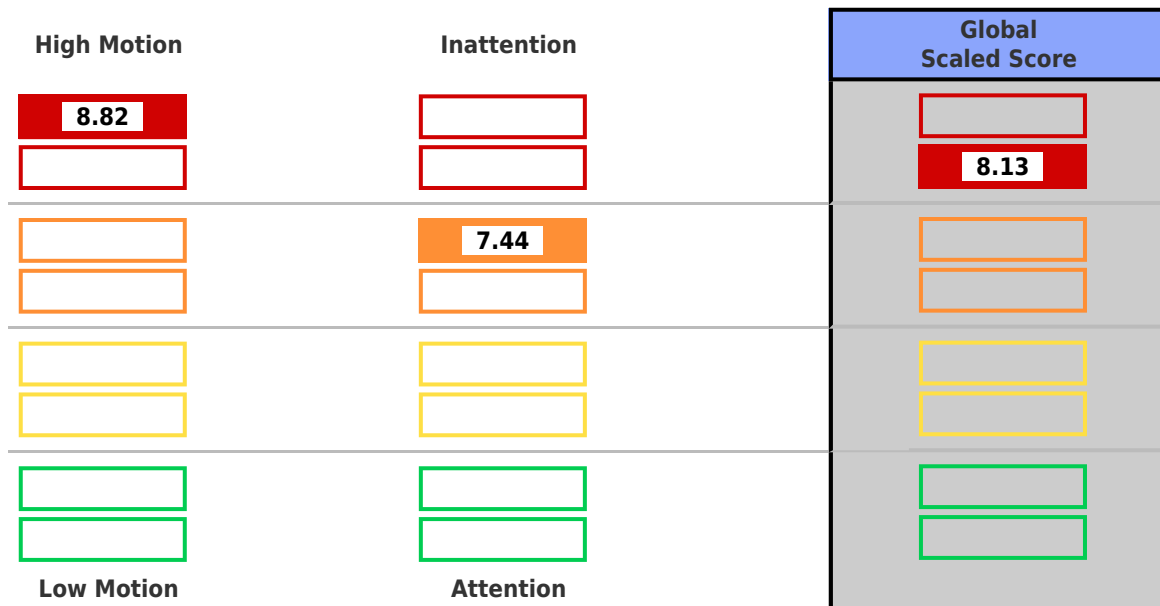


QUOTIENT™ ADHD SYSTEM SCALED SCORES

The Quotient™ ADHD System Scaled Score consists of:

- Motion Scaled Score - a composite of how this patient's motion compares to the community sample.
- Attention Scaled Score - a composite of how this patient's attention compares to the community sample.
- Global Scaled Score - demonstrates the combination of indices for this patient as compared to the community sample.

High scaled scores are associated with the scores that ADHD patients receive.



DISCLAIMER
The test interpretation should be used as part of a comprehensive diagnostic evaluation, not as a substitute for the diagnostic process itself.

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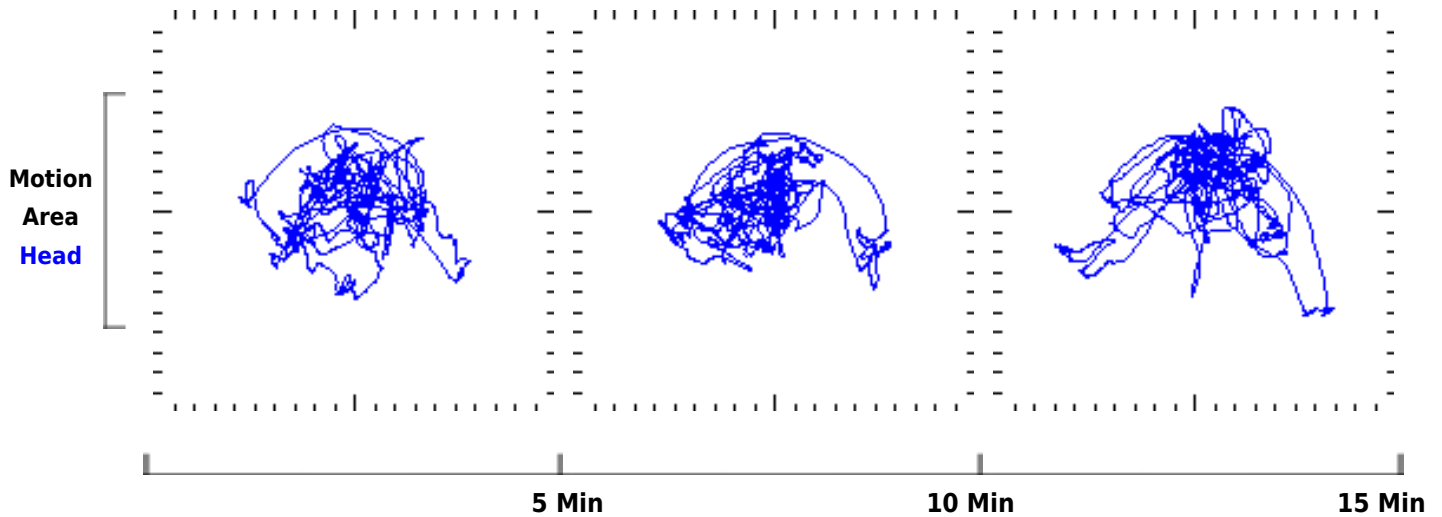
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Comments:

MOTION ANALYSIS

Motion Capture by Corresponding Reflector Location



Measure	Reflector Location	Results	Reference Range (16-84 Percentile)	Age Percentile (t ≤ 16 Age Percentile)
Immobility Duration: (milliseconds) <i>The average amount of time spent sitting still.</i>	Head	68	103 - 331	3 ^t
Movements: (number) <i>The number of position changes.</i>	Head	4445	916 - 2859	3 ^t
Displacement: (meters) <i>The total distance moved by the marker.</i>	Head	8.7	1.21 - 4.13	3 ^t
Area: (centimeters squared) <i>The total area covered by the marker's path.</i>	Head	384	24 - 104	1 ^t
Spatial Complexity: (scale score) <i>The complexity of the movement path. Lower values indicate linear or back-and-forth movement. Higher values indicate more complex movement.</i>	Head	1.042	1.099 - 1.32	1 ^t
Temporal Scaling: (scale score) <i>The pattern of movement in time. Lower value indicate lack of movement. Higher values indicate incessant movement.</i>	Head	0.825	0.345 - 0.771	12 ^t

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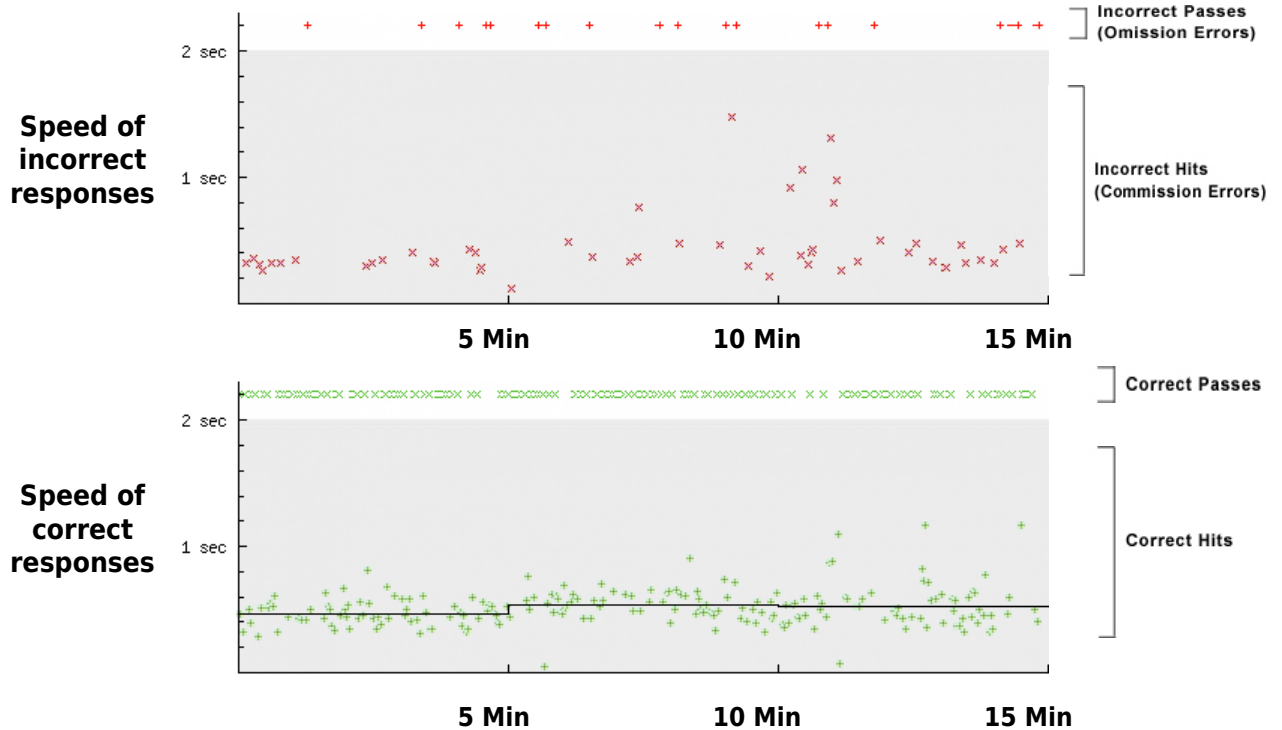
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ATTENTION ANALYSES

Patient's Response to Targets and Non-Targets



Patient's Response Results

Measure	Results	Reference Range (16-84 Percentile)	Age Percentile (t ≤ 16 Age Percentile)
Accuracy: (percent) <i>The percentage of correct responses.</i>	83.3	82.9 - 96.7	16^t
Omission Errors: (percent) <i>The percentage of missed targets (a measure of inattention).</i>	10.2	0.3 - 6.4	10^t
Commission Errors: (percent) <i>The percentage of incorrect responses to non-targets (a measure of impulsivity).</i>	23.4	5.8 - 28.2	24
Latency: (milliseconds) <i>The average amount of time to respond correctly (speed).</i>	508	403.5 - 535	75
Variability: (milliseconds) <i>The variation in response time to the correct target.</i>	137	87.2 - 153.7	26
C.O.V. (number) <i>A normalized measure of response time variation.</i>	26	19.1 - 32.5	35

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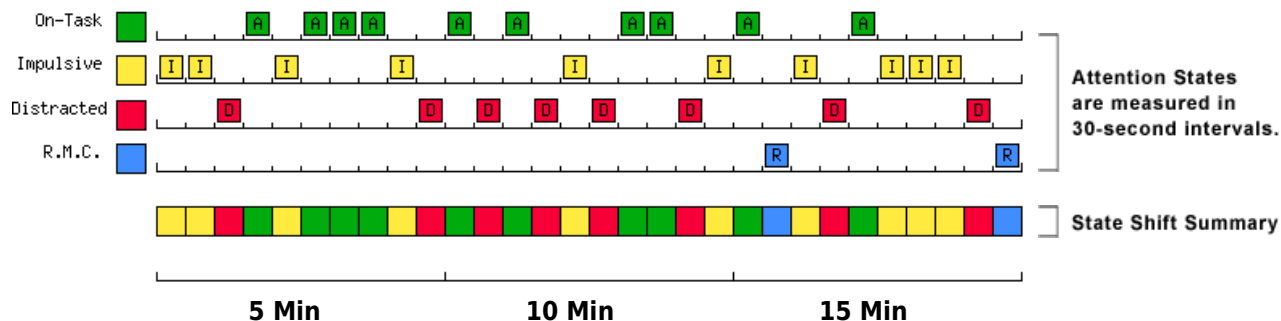
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ATTENTION ANALYSES CONTINUED

Patient's Attention States During Testing



Attention State Results

Measure	Results	Reference Range (16-84 Percentile)	Age Percentile (t ≤ 16 Age Percentile)
Number of Shifts: (number) A measure of how many times a change in behavioral states occurs over the course of a test.	23	4 - 18	5 ^t
On-Task: (percent) Percent of 30 second blocks in which subjects performed with very high level of accuracy.	33	33.3 - 93.3	16 ^t
Impulsive: (percent) Percent of blocks when subjects performed better than chance but made a significant number of commission errors.	33.3	5 - 46.7	34
Distracted: (percent) Percent of blocks when subjects performed better than chance but missed a significant number of targets.	26.7	0 - 13.3	5 ^t
R. Random: (percent) Percent of blocks when subjects performed no better than predicted by random chance.	3.3	0 - 3.3	25
M. Minimal: (percent) Percent of blocks when subjects performed no better than predicted by random chance and made few responses.	3.3	0 - 0	10 ^t
C. Contrary: (percent) Percent of blocks when subjects performed worse than predicted by random chance.	0	0 - 0	99

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MOTION INTERPRETATION

The following Motion metrics fall outside the reference range.

Immobility Duration (Head)	t Result falls below the 16th percentile.
Movements (Head)	t Result falls below the 16th percentile.
Displacement	t Result falls below the 16th percentile.
Area	t Result falls below the 16th percentile.
Spatial Complexity	t Result falls below the 16th percentile.
Temporal Scaling	t Result falls below the 16th percentile.

ATTENTION INTERPRETATION

The following Attention metrics fall outside the reference range.

Accuracy	t Result falls below the 16th percentile.
Omission Errors	t Result falls below the 16th percentile.
Number of Shifts	t Result falls below the 16th percentile.
On-Task	t Result falls below the 16th percentile.
Distracted	t Result falls below the 16th percentile.
Minimal	t Result falls below the 16th percentile.

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ASSESSMENT AND PLANNING

Clinical Observation: (please check all that apply)

- | | | | | |
|---------------------------------------|---|--|--|---|
| <input type="checkbox"/> Active | <input type="checkbox"/> Daydreaming | <input type="checkbox"/> Irritable | <input type="checkbox"/> Sleepy | <input type="checkbox"/> Understood directions |
| <input type="checkbox"/> Anxious | <input type="checkbox"/> Difficulty with directions | <input type="checkbox"/> Moody | <input type="checkbox"/> Talkative | <input type="checkbox"/> Withdrawn |
| <input type="checkbox"/> Became bored | <input type="checkbox"/> Fearful | <input type="checkbox"/> Refuses directions | <input type="checkbox"/> Tires easily | <input type="checkbox"/> Worked diligently |
| <input type="checkbox"/> Cooperative | <input type="checkbox"/> Fidgety | <input type="checkbox"/> Requires directions | <input type="checkbox"/> Uncooperative | <input type="checkbox"/> Other
(refer to comments) |

Observation Comments:

Test Administrator Name:
(please print)

CLINICAL INTERPRETATION AND PLANNING

Summary of Test Results:

	Within Range	Outside Range
Motion:	<input type="checkbox"/>	<input type="checkbox"/>
Behavior States:	<input type="checkbox"/>	<input type="checkbox"/>
Attention:	<input type="checkbox"/>	<input type="checkbox"/>

Summary Comments:

ADHD Diagnosis: Yes No Other

Other Diagnosis Impressions:

Management Plan:

Clinician Name: (please print)	Clinician Signature: (please sign)	Date:
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