

KABC-2 Case Studies

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KABC-2 Case Studies

- Danny: Differential diagnosis with a history of ADHD, ODD, IED
- Mark: Differential diagnosis with a history of ADHD, Conduct Disorder, LD
- A mini presentation on asthma
- Questions & Comments

Differential Dx: Depression

- Danny
- 2nd grade 7 year-old, Hispanic male
- Father left 2 years previous, lived with Mom, low SES, multiple moves
- Hx: ADHD, temper/rage episodes, poor grades
- Danny's 3 wishes:
 - 1) For people to stop taking drugs (not the medication kind but the bad ones).
 - 2) For his classroom to be quieter.
 - 3) World peace.
- Trouble finishing work, variable grades

KABC-II Kaufman Assessment Battery for Children, Second Edition

Age: 7;0
Sex: Male

Name: Test Date: 10/23/2007

Model: Yarra Examiner: Elaine Fletcher-Janzen, Ed.D.

Score Summary Table

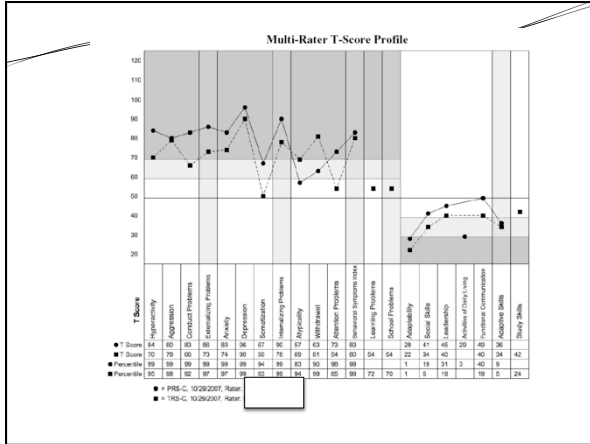
Global Scale	Sum of Subtest Scores	Index (Standard Score)	90% Confidence Interval	Percentile Rank	Diagnostic Category
Mental Processing Index (MPI)	100	121	116-126	92	Above average

Scale	Sum of Subtest Scores	Index (Standard Score)	90% Confidence Interval	Percentile Rank	Diagnostic Category	Normative Strength Scale Mean	Difference	Percentile Rank	Frequency of Difference
Sequential/Oral	22	106	98-114	65	Average	97	-9	7%	100%
Simultaneous/Gv	25	116	106-124	86	---	84	+2	Not Interpretable (Range -7)	---
Learning/Glr	24	113	104-118	77	Average	97	-4	---	---
Planning/Gf	20	108	100-114	67	Above average	97	-9	11%	100%
Knowledge/Gc	--	--	--	--	--	--	--	--	--

Mean Scale Index: 115

Bold denotes core subtests.

Subtest	Raw Score	Scaled Score	Percentile Rank	Age Expectation	Additional Information
Sequential/Oral	11	12	75	9;3	
Number Recall	17	10	50	7;3	
Simultaneous/Gv					
Blocks	31	16	68	14;8	
Triangles	20	9	37	6;9	Scored w/ Time Points
Learning/Glr					
Arithmetic	87	12	75	9;3	
Rebus	55	12	75	9;3	
Arithmetic Delayed	18	11	63	11;4	
Rebus Delayed	35	13	84	9;9	
Planning/Gf					
Story Completion	20	12	75	8;6	Scored w/ Time Points
Picture Reasoning	30	17	90	11;4	Scored w/ Time Points
Knowledge/Gc					
Verbal Knowledge	--	--	--	--	
Block	--	--	--	--	



Danny

- Gifted
- Depressed
- Medication consult—review the wisdom of stimulants
- Support of teacher
- Support and consultation with Mom
- Asked him to be a class tutor for math

Mark: Asthma Profile?

- 11 year old Anglo male
- 4th grade (repeat)
- Father died 3 years ago, lives with Mom
- Asthma since birth—took breathing treatments 2x day
- Low SES
- Class clown
- Severe stutter
- Poor self-concept; angry outbursts in class
- Variable grades—poor reading comprehension

Model: Luria
 Test Date: 01/11/2008
 Examiner: Elaine Fletcher-Jones, Ed.D.

Score Summary Table

Global Scale	Raw Score	Index (Standard Score)	95% Confidence Interval	Percentile Rank	Descriptive Category
Mental Processing Index (MPI)	90	109	104-114	73	Average

Scale	Sum of Subtest Scores	Index (Standard Score)	95% Confidence Interval	Percentile Rank	Descriptive Category	Normative Strength Weakness	Difference from Scale Mean	Percentile Strength Weakness	Frequency of Difference
Sequential/Om	10	71	65-81	3	Below average	W	-37	PH	<5%
Simultaneous/Cv	22	105	97-113	63	-----	N	0	PH	<5%
Learning/Gle	31	133	120-129	99	Upper extreme	SS	+25	PH	>95%
Planning/Gf	27	121	115-128	92	Above average	NS	+13	PH	>95%
Knowledge/Gc	--	--	--	--	--	--	--	--	--

Mean Scale Index: 108

Bold denotes core subtests.

Subtest	Raw Score	Scaled Score	Percentile Rank	Age Equivalents	Additional Information
Sequential/Om					
Number Recall	8	5	5	5.4	
Word Order	15	5	5	6.0	
Hand Movements	10	8	25	7.6	
Simultaneous/Cv					
Rever	15	7	16	8.3	
Triangles	29	15	95	18.0	Scored w/o Time Points
Cross Closure	21	7	16	8.6	
Learning/Gf					
Arbitis	107	16	98	14.4	
Relun	76	15	95	17.6	
Arbitis Delayed	17	10	50	9.3	
Rebus Delayed	44	12	75	15.0	
Planning/Gf					
Story Completion	23	14	91	16.0	Scored w/o Time Points
Pattern Reasoning	28	13	84	17.0	Scored w/o Time Points
Knowledge/Gc					
Verbal Knowledge	--	--	--	--	
Riddle	--	--	--	--	

Asthma

- Chronic respiratory disease caused by reversible airflow obstruction due to:
 - Bronchospasm
 - Swelling of the airway
 - Increased mucus secretion
 - Lymphocytic invasion of airway walls

Asthma-Characteristic Symptoms

- Wheezing
- Coughing
- Shortness of breath
- Can be associated with:
 - Hypoxemia
 - Acidosis
 - Seizures
 - Death

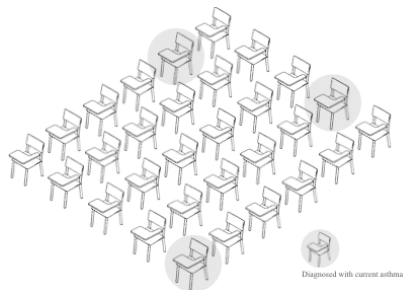
Asthma Triggers

- Exercise
- Tobacco smoke
- Allergens
- Cold air
- Sudden changes in barometric pressure
- Chemicals
- Foods

Asthma

- Most common chronic disease of childhood
- Leading cause for pediatric hospitalizations
- Leading cause of school absenteeism
- 4.8 million children-highest rate with African American children
- Morbidity & mortality rates climbing
- Mortality associated with lack of proper diagnosis of asthma severity and lack of adequate treatment due to limited funds for access (Sanders, 1998)
 - *Each day 14 Americans die from asthma.*

Asthma Prevalence



Asthma Attack

- Airways come into contact with an asthma trigger,
- Tissue inside the bronchi and bronchioles becomes inflamed (inflammation).
- At the same time, the muscles on the outside of the airways tighten up (constriction), causing them to narrow.
- A thick fluid (mucus) enters the airways, which become swollen.
- The breathing passages are narrowed still more, and breathing is hampered.

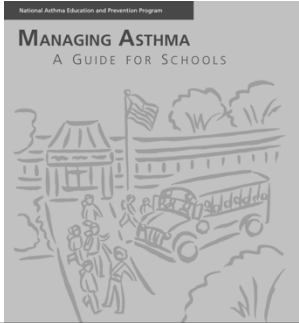
Neuropsychological Effects

- Halstead--subtests sig. diff. between groups--primary abilities affected:
 - Visualizing and remembering spatial configuration
 - Incidental memory
 - Planning
 - Visual and tactile motor tasks
- Loss of consciousness and cyanosis related to very mild to mild brain damage (Dunleavy & Baade, 1980)

Differential Diagnosis

- Competing factors during an assessment of Asthma:
 - Hypoxia-transient
 - Trauma (Panic disorder, PTSD)
 - Medication side effects
 - Lack of exposure to curriculum

U.S. Dept. of Health & Human Services
National Institutes of Health
National Heart, Lung, & Blood Institute



Contact Informaton

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