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
**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

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**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
Mark

- Reviewed asthma control with Mom
- Grief counseling with Mom and Mark
- Feedback to Mark: explain cognitive profile
- Consult with Mom and Mark about stimulant trial

Results

- Academic intervention set to fluency & comprehension not phonics
- Asked him to be a Bullyproofing Peer Leader with 1st and 2nd graders

ASTHMA
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
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