



new Developments in Auditory Processing

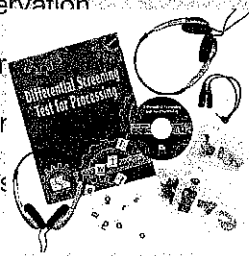
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What do these kids look like?

- True auditory processing is specific to the auditory channel alone
- When in a quiet environment function normally
- Cannot quickly retain information presented through the auditory channel alone
- Visual learners - watch the other students for cues

How do I prove what the parents and teachers are seeing?

- Classroom observation
- CHAPS Form
- Differential Screener
- From Linguistics



Why do I need an audiological eval

- Legally audiologists are the ones qualified to make that diagnosis
- Need to rule out other anatomical abnormalities - wax, fluid, mild sensorineural hearing loss
- Need to be tested in soundproof booth with ear specific information

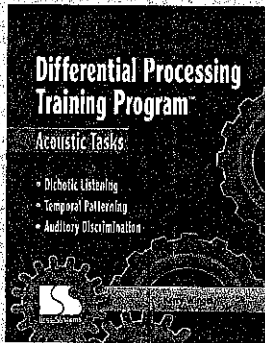
What can that evaluation do for me?

- CAP should not be an all or nothing diagnosis
 - need to know specific areas of weakness
- Need to screen for ADD as a component
 - Will give you categories of weakness
 - Will back up your findings
- Gives you % ranks to measure your progress in therapy

Therapy

- Need to tax the system by presenting information dichotically as a part of therapy
- Need to do therapy with noise as a component
- Work on working memory with noise present while giving strategies for them to practice using

Dichotic Training - LinguiSystems



Books on Tape

- 2 different devices - iPad & iPod or iPad & iPhone
- Book on tape in left ear at 50% volume
different book on tape in right ear at lower volume 25%
- Listen to left ear and ignore right ear
- Respond to questions about book in left ear or write about the story

WINT I & Phonemic Synthesis Therapy

- www.jackkatzphd.com
- Order the WINT I does not require audiometer
 - WINT for auditory figure ground
- Phonemic synthesis therapy for decoding weaknesses

Multi-step instructions in noise

- Start with 2 - 3 step instructions-while teaching memory strategies to try
- use computer speakers one on each side of child behind them
 - get noise level app on phone set noise to approximately 50 dB Decibel 10th is an example
- Then talk and have your voice above the noise 55 dB or 60 dB closer you are to the noise the harder it will be

APD Therapy is about Increasing Confidence in Listening

- Many of these children have a strong anxiety component linked to noise and adverse listening situations because they have been unsuccessful
- Common coping mechanism is to just not respond & shut down
- Goal is to give them practice where they are successful to decrease that anxiety emotion
 - Slowly increase difficulty

FM Systems

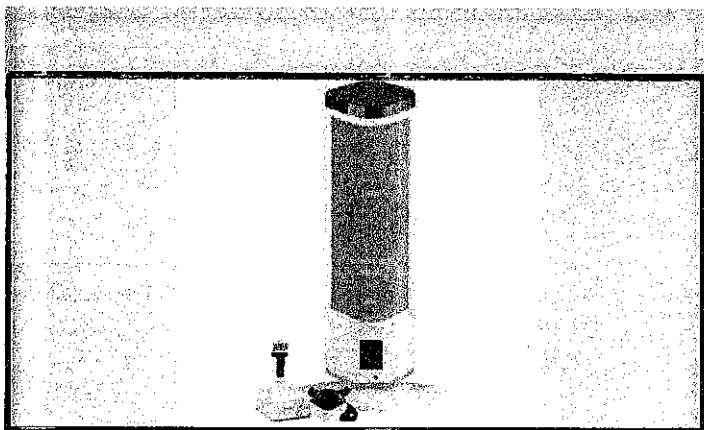
- They are not all created equal
- If a hearing impaired child needs an FM having a soundfield system is not the same as having one connected to hearing aids
- Placement of the speaker is very important
- Measures should be made with an without the system

When should the FM Microphone be worn?

- When giving group instruction
- Should be muted when giving individual instruction
- Can be handed to children when they ask questions or present
- If mic is not muted child's brains then do not register that the voice is important anymore becomes noise

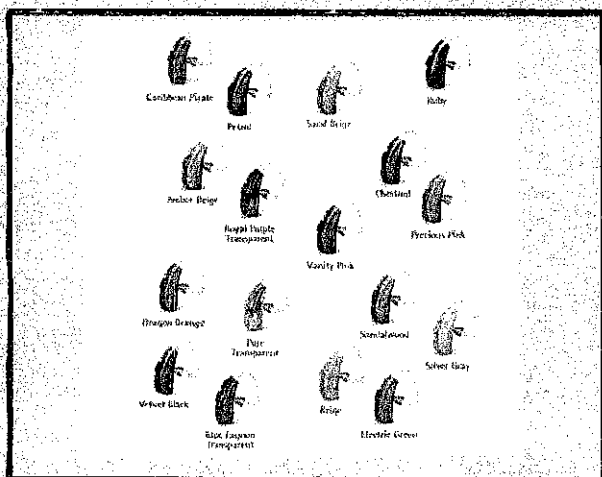
JUNO FM System

- Can be mounted or placed on a desk or window ledge
- Can record the class lecture for students to listen to the presentation again or listen to if sick
- Can get pass around microphone



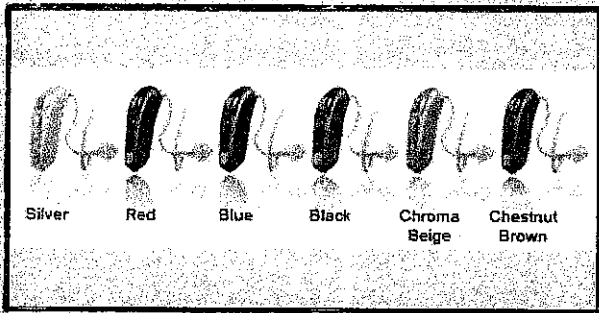
Phonak Roger Focus

- Not a system that needs a specific channel
- Has voice selectivity so does decrease clothing noise
- Can really assist with attention weaknesses
- Do not assume child will not wear it - DO A TRIAL with pre and post LIFE Screening



Oticon Star

- Also very sleek
- Has a volume control
- Slim tube easy to clean
- Comfortable



• OTICON AMIGO STAR EAR LEVEL

- LEGALLY AUDIOLOGISTS SHOULD BE FITTING, MONITORING AND TRAINING STAFF ABOUT FM SYSTEMS

According to IDEA (Part B) requirements, audiology services include:
 CFR 34 §300.34(c)(1)
 (vi) Determination of the child's need for group and individual amplification, selecting and fitting an appropriate aid, and evaluating the effectiveness of amplification.

ASHA Leader Sept 2014

- CAPD now included as a health impairment under IDEA
- other health impaired under IDEA according to a recent court decision <http://bit.ly/capd-brief> by the U.S. Ninth Circuit Court of Appeals