The ABCs of Hearing and Communication Development

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Connecting the Dots of Communication Language Development Academic success, Social relationships, Career success Communication Social interactions Conversations

Language development





Children must *hear* their language so that they can *learn* what sounds go together to make *words*. Social interactions are key!



Today's talk

We will overview aspects of language development that should be considered *after* a child is fit with hearing devices.

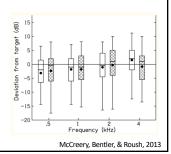


ABCs of Hearing and Communication

A. Hearing....but what I really mean is audibility

Approximately 55-60% of children had hearing aid settings that deviated by more than 5 dB from the prescriptive target based on their hearing loss.

Are they hearing everything that they should be hearing?



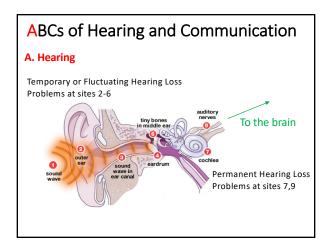
ABCs of Hearing and Communication

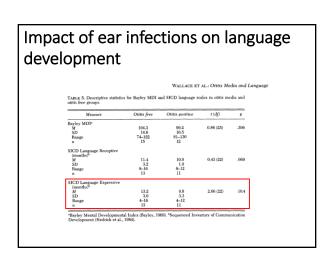
A. Hearing

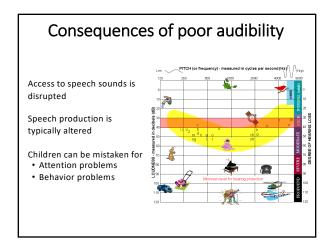


8 out of 10 (80%) children will have an ear infection by the time they are 3 years of age.

Ear infections can be associated with *hearing loss* due to the build up of fluid in the ear.







ABCs of Hearing and Communication

A. Hearing

B. Language exposure

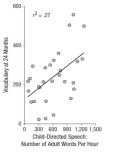


ABCs of Hearing and Communication

A. Hearing

B. Language exposure

Children who heard *more* words at 19 months of age had *bigger* vocabularies when they were 2 years old.

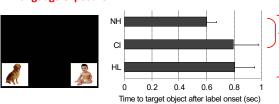


Weisleder & Fernald, 2013

ABCs of Hearing and Communication

A. Hearing

B. Language exposure



Children with hearing loss may be slower at processing spoken language in real time.

Grieco-Calub, Saffran, & Litovsly, 2009

A. Hearing B. Language exposure C. Making sense of it all Speech sound perception: what sounds are part of my native language? Pattern detection (statistical learning): what sounds go together? Word learning: what do these new sounds represent in my world? "Baby" "Doggie" "Ball"

What can delay language development?

A. Hearing Loss

If children can't hear the language that is being spoken to them, they will have trouble learning it!

B. Poor Exposure

If children don't experience language, they will have trouble learning it!

C. Learning problems

If children can't put it together, they will experience delays

What can delay language development?

A. Poor Exposure

If children don't experience language, they will have trouble learning it!

How can you encourage parents to expose children to language?



Language Facilitation Strategies

- Follow the child's lead let them lead the play
- Notice and respond to all child communication by saying what you would want the child to say in the moment
 - · Child points the ball.
 - Adult says "ball!"
- Balance your communicative turns; respond to the child and then wait for them to take another turn (play communication catch)
- Imitate what your child is doing and talk about what you are doing
 - · Child: stirs soup
 - Adult: stirs soup and says, "I'm stirring my soup"
- Expand child communication by adding words
 - · Child: points to a bunny
 - Adult: points to a bunny and says "bunny"

Creating Opportunities for Communication

- 1. Set up the opportunity to encourage the child to communicate
 - Not enough of something: give only a little bit of something (one cheerio, a little bit of play-doh)
 - Needs help: Wait expectantly before jumping into help (juice box with straw, shoes, bubbles with top on)
 - Choices: hold up two objects
- 2. Wait until the child communicates (gestures, vocalizes, says a word).
- 3. Expand this communication

The role of language in development





Social development: language supports social interactions and play Emotional development: language supports expression of feelings, wants, and needs

Cognitive development: language and cognition provide ways for children to make sense of their environment

Summary

- 1. Spoken language development depends on good audibility
- 2. Spoken language development depends on exposure to spoken language
- Spoken language development depends on the child putting it all together impact of other language or neurodevelopmental issues.
- 4. Language development facilitates communication, which provides more opportunities for language experience

Questions?

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