PARENT-CHILD INTERACTION THERAPY:
A FAMILY BASED INTERVENTION FOR CHILDREN WITH HEARING LOSS

Elizabeth Adams, Ph.D.; Lori Day, Ph.D.; Nancy Mellon, M.S.; Meredith Ouellette, M.S.
The River School - Washington, DC
Parent Involvement in Intervention

- There is increasing evidence that interventions that facilitate parent engagement often result in improved development and outcomes.
- Why is parent participation critical?
  - Parents serve as primary language models.
  - Parents create learning environments.
  - Parent interaction is directly related to language development.

Houston & Bradham, 2011
Parents and Language Development

- Maternal sensitivity predicted significant increases in language growth for children with cochlear implants
  - Linguistic stimulation for the child is only related to language growth in the context of maternal sensitivity
  - Effects for maternal sensitivity and cognitive stimulation were similar to effects for age of implantation
- Quality of parent language is related to overall cognitive development
- Parental emotional availability and maternal responsiveness correlates with language learning and developmental play

Pressman et al., 1999; Spencer & Meadow-Orlans, 1996; Quittner et al., 2013
Parent-Child Interaction Therapy

- Parent Coaching Interventions should be executed systematically
- Effective Treatment – highest level of support for efficacy
- Parent-Child Interaction Therapy
  - Originally developed for children with disruptive behavior disorders and their families
    - Modified for use with a range of populations
  - Children between the ages of 2 and 7

Eyberg, Nelson, & Boggs, 2008
Child-Directed Interaction

CDI

Parent follow the child’s lead
- Play therapy skills
- Positive attention skills
- Differential attention
- Language development

Foundation/Attachment phase

Parent-Directed Interaction

PDI

Parent leads the child
- Clear communication
- Consistency
- Reasoning skills

Discipline phase

Eyberg, Nelson, & Boggs, 2008; PCIT International
Modified PCIT – Parent Coaching for language intervention

Parents are taught specific skills to utilize Indirect Language Stimulation:

- Facilitative language techniques
  - Labeled Praise
  - Reflections
    - Expansion
    - Extension/Expatriation
    - Buildups and Breakdowns
    - Recast Sentences
  - Imitation
  - Description (Parallel-talk)
    - Information Description (Self-talk)
  - Enjoyment
  - Practice PRIDE

Eyberg, Nelson, & Boggs, 2008; PCIT International
## Child Directed Interaction

<table>
<thead>
<tr>
<th><strong>DO!</strong></th>
<th><strong>DON’T</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Praise</td>
<td>Give Commands</td>
</tr>
<tr>
<td>Reflect</td>
<td>Ask Questions</td>
</tr>
<tr>
<td>Imitate</td>
<td>Criticize</td>
</tr>
<tr>
<td>Describe</td>
<td></td>
</tr>
<tr>
<td>Enthusiasm/Enjoy</td>
<td></td>
</tr>
</tbody>
</table>

Eyberg, Nelson, & Boggs, 2008; PCIT International
Results from paired-samples t-tests, with a Bonferroni correction, revealed that there was a statistically significant increase in positive parenting skills ($t(6)=7.713, p<.000$), and a significant decrease in negative parenting skills ($t(6)=4.889, p=.003$).
Parent Changes by Skill

### Pre/Post: DO Skills

<table>
<thead>
<tr>
<th>Skill</th>
<th>Pre</th>
<th>Post</th>
</tr>
</thead>
<tbody>
<tr>
<td>BD</td>
<td>15</td>
<td>5</td>
</tr>
<tr>
<td>Refl</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>LP</td>
<td>5</td>
<td>5</td>
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</tbody>
</table>

### Pre/Post: DON'T Skills

<table>
<thead>
<tr>
<th>Category</th>
<th>Pre</th>
<th>Post</th>
</tr>
</thead>
<tbody>
<tr>
<td>Questions</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>Commands</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Critical Comments</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Results from paired-samples t-tests, with a Bonferroni correction, revealed that there was a statistically significant improvement in child behavior ($t(6) = 5.310$, $p = .002$).
Thank you!

- Thank you for your attention!
- Special thanks to:
  - The River School
  - PCIT International
    - www.pcit.org
- For more information and training opportunities:
  - Elizabeth Adams-Costa, Ph.D. – eadams@riverschool.net
References


References


