STORY-RELATED DISCOURSE BY PARENT-CHILD DYADS

A comparison of typically developing children and children with LI reading print and e-books

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Study focus

1 picture book (print)
1 interactive e-book

Child

N = 20
10: TD [54 m]
10: LI [53 m]

Adult

13: mothers
7: fathers

Motivation

1. engaging potential of e-books (Moody, Justice, Cabell, 2010; Roskos, Burstein, & You, 2012)
   - potentially useful reading medium with this group!

2. negative effects of e-format on parent language and child outcomes such as story comprehension (Parish-Morris, Mahajan, Hirsh-Pasek, Golinkoff, & Collins, 2013)

Methods

A. Child length of conversational turn
   - MLT (words per turn) of child

B. Turntaking: Child responsivity
   - number of child verbal responses to parent initiations

Reading Protocols

picture book (print) interactive e-book

Result I: Decline in child MLT in TD group

<table>
<thead>
<tr>
<th>TD</th>
<th>LI</th>
<th>Child MLT</th>
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<tbody>
<tr>
<td>3.7</td>
<td>2.4</td>
<td></td>
</tr>
<tr>
<td>1.9</td>
<td>1.7</td>
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Summary of findings

1. reduced turn length in TD children
2. decline in child verbal responsivity in LI group

Acknowledgements

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- Jackie Morrison-Visentin

Supplemental data

<table>
<thead>
<tr>
<th>Reading Medium</th>
<th>Child gestures (responses)</th>
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<tbody>
<tr>
<td>Adult</td>
<td></td>
</tr>
<tr>
<td>Adult</td>
<td></td>
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<tr>
<td>Child</td>
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MLT ratio (C/P)

<table>
<thead>
<tr>
<th>Medium</th>
<th>TD</th>
<th>LI-pre</th>
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<tbody>
<tr>
<td>WL</td>
<td>0.25</td>
<td>0.18</td>
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<tr>
<td>iRW</td>
<td>0.11</td>
<td>0.12</td>
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Child gestures (responses)
- There is a x 4.25 increase in child gestures that may be evaluated as responses from paper to e-book in the LI-group (from 4 to 17)
- For the TD group, the factor increases by 2.4 only (from 9 to 22 gestural responses)