Deficits in Sensory Organization for Postural Control in Children with Tourette Syndrome: A Preliminary Study

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 دمشق

Backgrounds

**Tourette syndrome (TS)**
- Childhood-onset developmental disorder
- Involuntary motor and vocal Tics

**Table 1. Previous postural control studies in children with TS**

<table>
<thead>
<tr>
<th>Subjects</th>
<th>COP Measurements</th>
<th>Results</th>
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<tbody>
<tr>
<td>Younger</td>
<td>Older</td>
<td>Eye Opened</td>
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<tr>
<td>2007</td>
<td>2010</td>
<td></td>
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<td>Lemay et al.</td>
<td>Lemay et al.</td>
<td>33</td>
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<td>COP range and velocity in children with TS in all conditions</td>
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</tbody>
</table>

- Lemay et al. proposed 2 hypothesis that their postural control anomalies might
  - impaired access to sensory information
  - having difficulties in sensorimotor integration
  - Lemay et al., 2007

**Method**

- To compare postural stability under normal and altered sensory conditions in children with TS and healthy control (HC) children.

**Results**

Despite the small sample size, the results suggested that children with TS and healthy control (HC) children.

**Acknowledgments**

- The results of this study may provide the evidence to support the possible deficits in sensorimotor integration of postural control in children with TS

**Conclusions**

- The results of this study may provide the evidence to support the possible deficits in sensorimotor integration of postural control in children with TS

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References


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