



TITLE: Interventions for Children with Cerebral Palsy: Guidelines

DATE: 18 January 2017

RESEARCH QUESTION

What are the evidence-based guidelines regarding interventions for children with cerebral palsy?

KEY FINDINGS

No evidence-based guidelines were identified regarding interventions for children with cerebral palsy.

METHODS

A limited literature search was conducted on key resources including PubMed, Medline, The Cochrane Library, University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. Methodological filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses, and guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1 2012, and January 10, 2017. Internet links were provided, where available.

SELECTION CRITERIA

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

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Table 1: Selection Criteria

Population	Children with cerebral palsy
Intervention	All interventions with the following indications: <ul style="list-style-type: none"> • Motor Function • Tone • Cognition • Pain • Participation • Mental Health (child) • Mental Health and coping (parent/caregiver)
Comparator	Not applicable
Outcomes	Guidelines
Study Designs	Health technology assessments, systematic reviews, meta-analyses, guidelines

RESULTS

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are presented first. These are followed by evidence-based guidelines.

No evidence-based guidelines were identified regarding interventions for children with cerebral palsy.

References of potential interest are provided in the appendix.

Guidelines and Recommendations

No literature identified.

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APPENDIX – FURTHER INFORMATION:

Previous CADTH Reports

1. Active Video Gaming and Virtual Reality for Children with Cerebral Palsy: Sustained Clinical Effectiveness [Internet]. Ottawa: Canadian Agency for Drugs and Technologies in Health (CADTH); 2015 Sep 8. [cited 2017 Jan 16]. Available from: <https://www.cadth.ca/sites/default/files/pdf/htis/sep-2015/RB0908%20Active%20Video%20Gaming%20for%20Cerebral%20Palsy%20Final.pdf>
2. Functional Electrical Stimulation (FES) for Children with Cerebral Palsy: Clinical Effectiveness [Internet]. Ottawa: Canadian Agency for Drugs and Technologies in Health (CADTH); 2011 Apr 14. [cited 2017 Jan 16]. Available from: https://www.cadth.ca/sites/default/files/pdf/htis/april-2011/L0257_FES_ChildrenCerebralPalsy_final.pdf

Systematic Reviews and Meta-analyses

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[PubMed: PM25887836](#)
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[PubMed: PM27027732](#)

9. Navarrete-Opazo AA, Gonzalez W, Nahuelhual P. Effectiveness of oral baclofen in the treatment of spasticity in children and adolescents with cerebral palsy. *Arch Phys Med Rehabil.* 2016 Apr;97(4):604-18.
[PubMed: PM26321489](#)
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[PubMed: PM27245364](#)
11. Roostaei M, Baharlouei H, Azadi H, Fragala-Pinkham MA. Effects of aquatic intervention on gross motor skills in children with cerebral palsy: A systematic review. *Phys Occup Ther Pediatr.* 2016 Dec 14;:1-20, 2016 Dec 14.: -20.
[PubMed: PM27967298](#)
12. Ward R, Reynolds JE, Bear N, Elliott C, Valentine J. What is the evidence for managing tone in young children with, or at risk of developing, cerebral palsy: A systematic review. *Disabil Rehabil.* 2016 Mar 30;:1-12, 2016 Mar 30.: -12.
[PubMed: PM27027325](#)
13. Angsupaisal M, Maathuis CG, Hadders-Algra M. Adaptive seating systems in children with severe cerebral palsy across International Classification of Functioning, Disability and Health for Children and Youth version domains: A systematic review. *Dev Med Child Neurol.* 2015 Oct;57(10):919-30.
[PubMed: PM25857828](#)
14. Beecham E, Candy B, Howard R, McCulloch R, Laddie J, Rees H, et al. Pharmacological interventions for pain in children and adolescents with life-limiting conditions. *Cochrane Database Syst Rev.* 2015;3:CD010750, 2015.
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15. Blake SF, Logan S, Humphreys G, Matthews J, Rogers M, Thompson-Coon J, et al. Sleep positioning systems for children with cerebral palsy. *Cochrane Database Syst Rev.* 2015;(11).
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16. Hasnat MJ, Rice JE. Intrathecal baclofen for treating spasticity in children with cerebral palsy. *Cochrane Database Syst Rev.* 2015;(11).
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[PubMed: PM26032205](#)
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[PubMed: PM26597166](#)

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[PubMed: PM23962350](#)
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[PubMed: PM23095013](#)
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Population Not Specified

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