

iCAHE JC Critical Appraisal Summary
Journal Club Details

Journal Club location **Flinders Medical Centre**
JC Facilitator **Jo Nolan**
JC Discipline **Physiotherapy**

Question

In the FMC Physiotherapy Department, we are interested in understanding the literature about the motor outcomes of premature infants

Review Question/PICO/PACO

<p>P: (babies born under 30 weeks gestation and /or under 1250 g) who are currently 3 years or older</p> <p>I: Any</p> <p>C: Any</p>	
<p>O: Gross motor outcomes assessed (co-ordination, movement skills)</p>	

Article/Paper

Edwards J, Berube M, Erlandson K, Haug S, Johnstone H, Meagher M, Sarkodee-Adoo S, Zwicker JG. Developmental coordination disorder in school-aged children born very preterm and/or at very low birth weight: a systematic review. Journal of Developmental & Behavioral Pediatrics. 2011 Nov 1;32(9):678-87.

Please note: due to copyright regulations CAHE is unable to supply a copy of the critically appraised paper/article. If you are an employee of the South Australian government you can obtain a copy of articles from the [DOHSA librarian](#).

Article Methodology: Systematic Review



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Ques No.	Yes	Can't Tell	No	Comments
1	✓			<p>Did the review address a clearly focused question?</p> <p>To systematically review and synthesize the literature to document the association between infants born very preterm and/or very low birth weight (VLBW) and the presence of developmental coordination disorder (DCD) at school age. Specifically, we aimed to determine and compare the odds ratio of having a motor impairment consistent with DCD between children who were born very preterm or VLBW and children born full-term or NBW (>2500 g).</p>
2				<p>Did the authors look for the appropriate sort of papers?</p> <p>Is it worth continuing? YES</p>
3				<p>Do you think the important, relevant studies were included?</p>
4				<p>Did the review's authors do enough to assess the quality of the included studies?</p>
5				<p>If the results of the review have been combined, was it reasonable to do so?</p>
6				<p>What are the overall results of the reviews?</p>
7				<p>How precise are the results?</p>
8				<p>Can the results be applied to the local population? CONTEXT ASSESSMENT (please refer to attached document)</p> <ul style="list-style-type: none"> - Infrastructure - Available workforce (? Need for substitute workforce?) - Patient characteristics - Training and upskilling, accreditation, recognition - Ready access to information sources - Legislative, financial & systems support - Health service system, referral processes and decision-makers - Communication - Best ways of presenting information to different end-users - Availability of relevant equipment - Cultural acceptability of recommendations <p>Others</p>
9				<p>Were all important outcomes considered?</p>
10				<p>Are the benefits worth the harms and costs?</p>
11				<p>What do the study findings mean to practice (i.e. clinical practice, systems or processes)?</p>

Journal Club to discuss

12	<p>What are your next steps? ADOPT, CONTEXTUALISE, ADAPT</p> <p>And then (e.g. evaluate clinical practice against evidence-based recommendations; organise the next four journal club meetings around this topic to build the evidence base; organize training for staff, etc.)</p>
13	<p>What is required to implement these next steps?</p>

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