

**iCAHE JC Critical Appraisal Summary**  
**Journal Club Details**

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**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><b>P:</b> (babies born under 30 weeks gestation and /or under 1250 g) who are currently 3 years or older</p> <p><b>I:</b> Any</p> <p><b>C:</b> Any</p>	
<p><b>O:</b> 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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A member of the Sansom Institute

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Ques No.	Yes	Can't Tell	No	Comments
1	✓			<p><b>Did the review address a clearly focused question?</b></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 (&gt;2500 g).</p>
2				<p><b>Did the authors look for the appropriate sort of papers?</b></p> <p><b>Is it worth continuing?</b>  <b>YES</b></p>
3				<p><b>Do you think the important, relevant studies were included?</b></p>
4				<p><b>Did the review's authors do enough to assess the quality of the included studies?</b></p>
5				<p><b>If the results of the review have been combined, was it reasonable to do so?</b></p>
6				<p><b>What are the overall results of the reviews?</b></p>
7				<p><b>How precise are the results?</b></p>
8				<p><b>Can the results be applied to the local population?</b>  <b>CONTEXT ASSESSMENT (please refer to attached document)</b></p> <ul style="list-style-type: none"> <li>- Infrastructure</li> <li>- Available workforce (? Need for substitute workforce?)</li> <li>- Patient characteristics</li> <li>- Training and upskilling, accreditation, recognition</li> <li>- Ready access to information sources</li> <li>- Legislative, financial &amp; systems support</li> <li>- Health service system, referral processes and decision-makers</li> <li>- Communication</li> <li>- Best ways of presenting information to different end-users</li> <li>- Availability of relevant equipment</li> <li>- Cultural acceptability of recommendations</li> </ul> <p>Others</p>
9				<p><b>Were all important outcomes considered?</b></p>
10				<p><b>Are the benefits worth the harms and costs?</b></p>
11				<p><b>What do the study findings mean to practice (i.e. clinical practice, systems or processes)?</b></p>

Journal Club to discuss

12		<p><b>What are your next steps?</b>  <b>ADOPT, CONTEXTUALISE, ADAPT</b></p> <p><b>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.)</b></p>
13		<p><b>What is required to implement these next steps?</b></p>

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