Abducted Standing - What's the Evidence?*

Only three research studies published

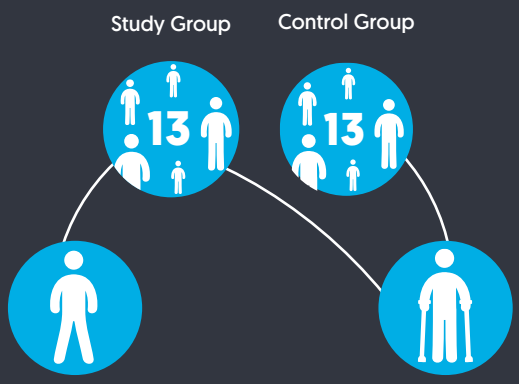
Macias-Merlo et al, 2015, a&b

Very small numbers and no control group means we don't know if results can be applied to all children with CP

Impact of mobility on hip was not taken into account

Link between hip flexibility and hip stability cannot be made

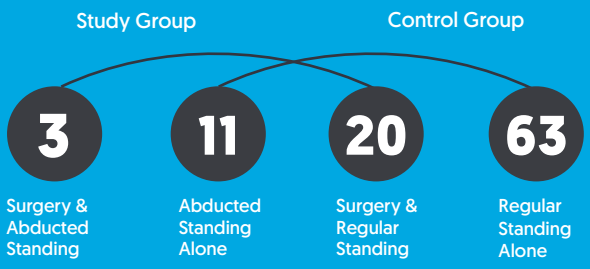
Lack of base line measures, randomisation, small study numbers and selection bias in study and control groups.



Impact of mobility on hip was not taken into account

Children in study group maintained hip integrity and symmetry but this cannot be wholly attributed to abducted standing.

Martinsson & Himmelmann, 2011



Lack of controlled variables between study and control groups, and lack of recording of dosage and duration means reliable conclusions cannot be drawn.

Surgery may have been the most important and predictive factor for MP improvement.

*Note

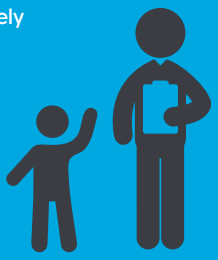
The infographk should be used in conjunction with the report "'What is the evidence for the effect of hip abduction in standing on hip integrity in children with cerebral palsy?"

What can we learn?

Hip surveillance and preventative or corrective surgical intervention can maintain hip integrity

Abducted standing may have a role in the development of hip integrity or children with CP

Children are likely to benefit from standing after hip surgery



An individualised approach for each child should be used, based on clinical expertise

References:

1. MOCK1S. Merl°, L , Bagur-Calalat. C csrabent.Forres. M 2015a Standing programs to promote hip %ability in children with spastic diplegic cerebral palsy Pediatric Physical Therapy Volume 27, pp 243-249
2. Macias Mena Elagur-Calatat. C , a Girabent-Farrel, M & %berg, W ZOISb Effects at the staï'idin4 pro ram with hip abduction on hip acetabular development in children with spastic diplegia cerebral palsy, Orsability arm Rehabilitation DOI 10 3109/09638288 2015 1100221
3. Martinssan, is tk iiimmelmann. K , 2011 Effect of weight-bearing in abdwrion acid extension NIJ 0.bditi 111 children with cerebral palsy Naiatric Physical Therapy, Volume 23 pp 130 137