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The Relationship Between Focused Attention and Object Permanence in Infants with Motor Delays

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The Relationship Between Focused Attention and Object Permanence in Infants with Motor Delays

Amber DelPrince, Melanie Tommer, Claire Boe, Jessica Spirnak, Karl Jancart, and Regina Harbourne, Ph. D.

Duquesne University, Department of Physical Therapy

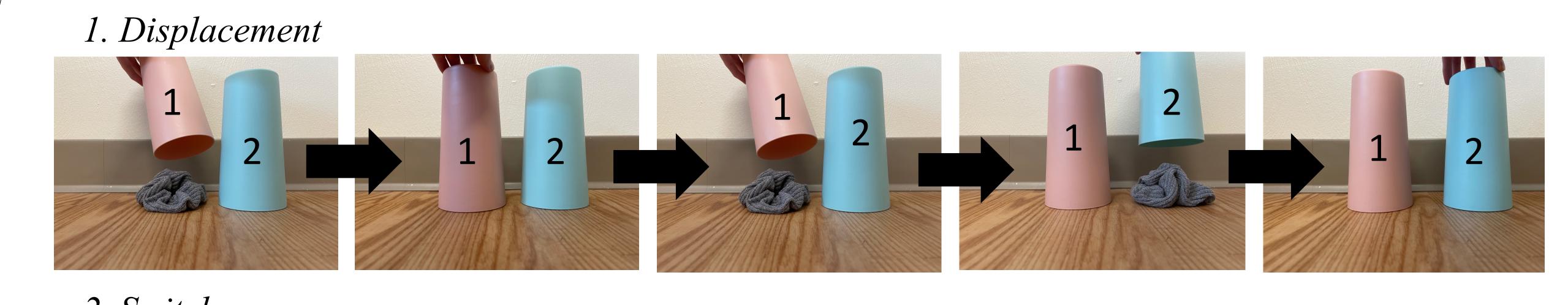
ABSTRACT:

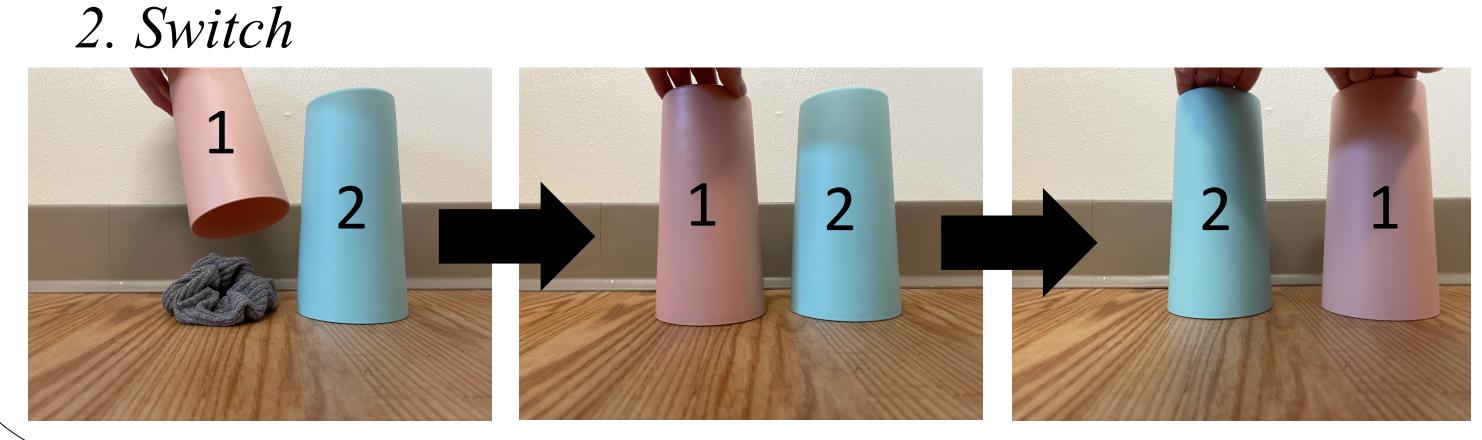
- ➤ Object Permanence (OP) and Focused Attention (FA) are two cognitive skills developed in early infancy
- The relationship between the two in infants with motor delays is poorly understood
- The purpose of this study was to examine the relationship between FA in early independent sitting and OP one year later in infants with motor delays

METHODS:

- ➤ 15 infants aged 8-16 months old
- Given a series of 8 object permanence tasks
- Scored for total object permanence at 12 months
- Scored for global focused attention at 1.5 months for two OP tasks

OP TASKS SCORED FOR FA:





SCORING:

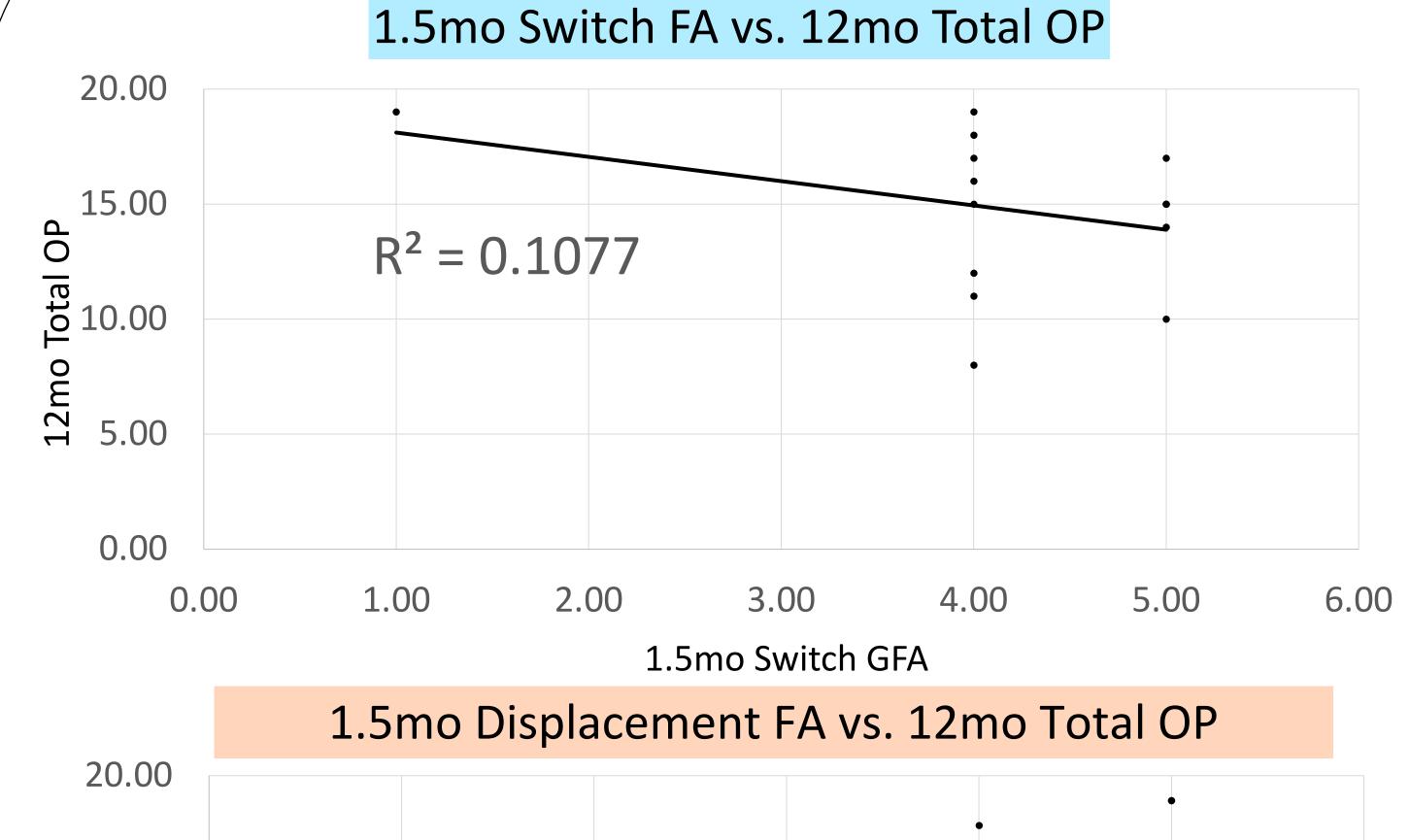
Total OP

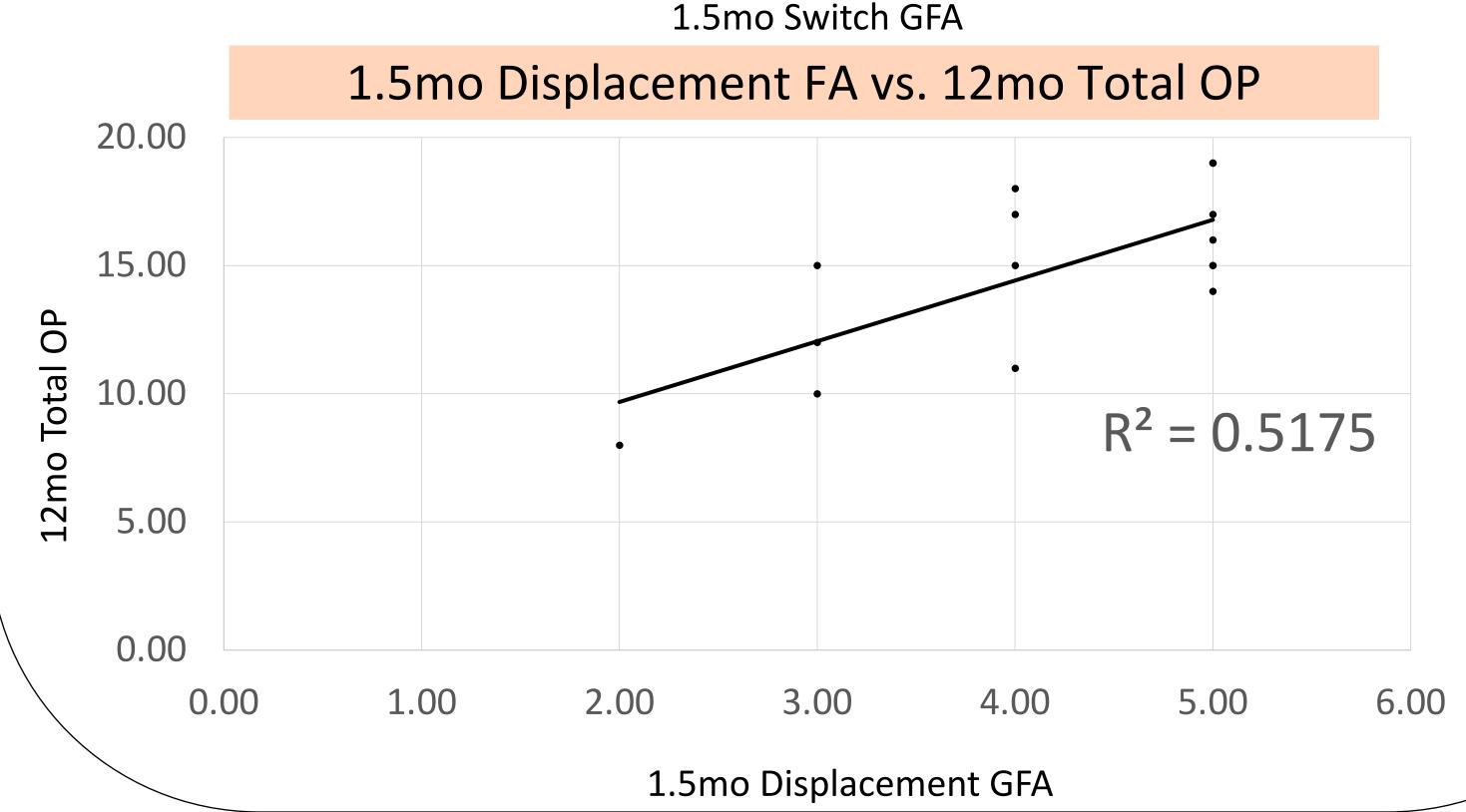
Fail: Child could not find hidden object	0			
Partial: Child demonstrated awareness of object location without finding it	1			
Success: Child found hidden object	2			

GFA

1	2	3	4	5
Not	Hardly	Half	Mostly	Focused
focused;	focused	focused	focused	on
never	but looks	on	on	objects
looks at	at objects	objects	objects	the whole
objects	a few	but looks	but looks	time;
	times	away	away a	doesn't
		several	few times	look
\-		times		away

RESULTS:





CONCLUSION:

- Focused attention early in development contributes to building cognitive constructs, such as object permanence, in infants with motor delays
- The higher correlation between displacement FA and future OP highlights the important of gaze and eye tracking in early infancy

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