Contributions of Vocabulary and Theory of Mind to Word Learning Across Social Contexts in Autistic Children Language Acquisition Angi Hu¹, Zhenghan Qi^{1,2} Northeastern University

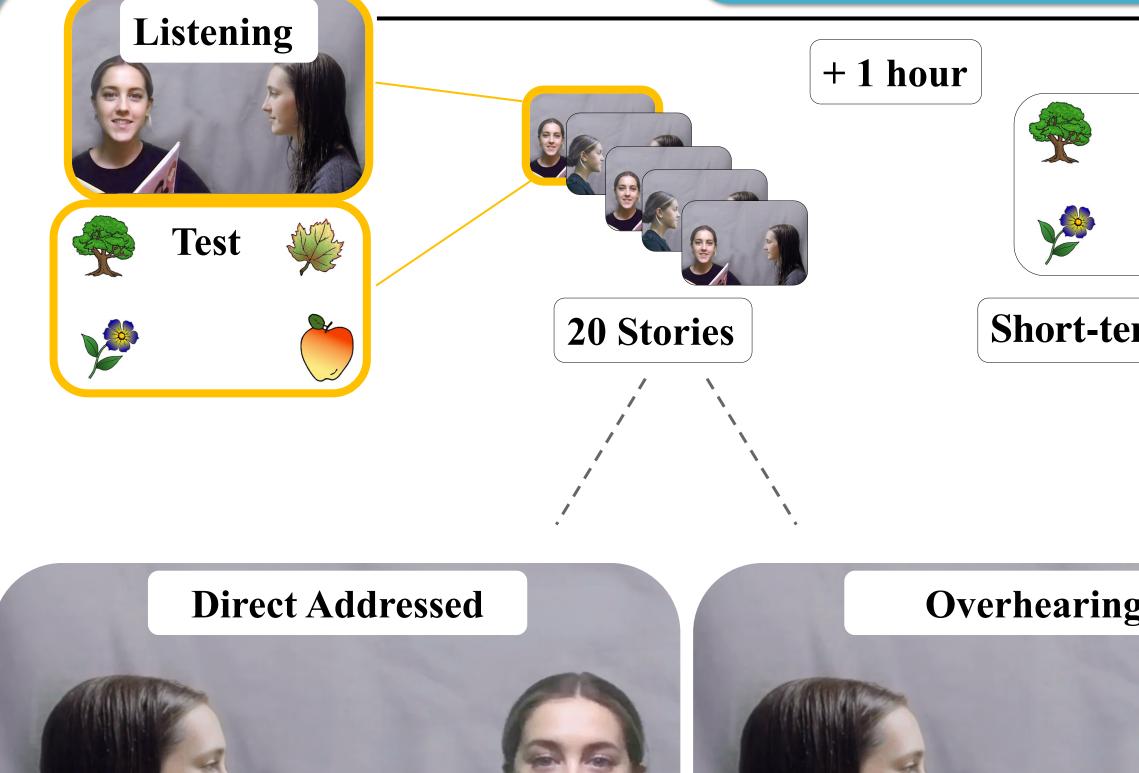




Backgrou

- How autistic children learn words in the face of social communication difficulties remains under investigated.
- Autistic children have shown mixed evidence in learning words from <u>direct</u> social cues (McGregor et al., 2013, Norbury et al., 2010). Yet, they demonstrated successful initial meaning mapping from overhearing speech (Luyster & Arunachalam, 2020).
- Are words learned from overheard stories with no concurrent visual referents resilient to forgetting for autistic children, compared to those learned from a directly addressed context?
- Are word learning and retention across social contexts more associated with

concurrent socia	l cognitive or vocab	oulary skills in au	tistic children?	0.5
	Parti	cipants		
Characteristics	TD	ASD	Group Difference	S S 0.8
N (# of Girls)	50 (26)	48 (15)	$\chi^2 = 3.52, p = 0.06$	
Age (Range)	7.44 (4.67~11.00)	7.45 (5.08~9.67)	t(92.51) = -0.002, p = 1.00	0.7 0.7
Picture Vocabulary Test (SD)	111.58 (15.22)	109.08 (14.37)	t(95.97) = 0.84, p = 0.41	D.6 ⁻
KBIT (<i>SD</i>)	113.44 (19.08)	110.91 (25.40)	t(85.25) = 0.53, p = 0.59	◀ 0.5
Theory of Mind (<i>SD</i>)	0.80 (0.12)	0.71 (0.17)	<i>t</i> (73.99) = 2.70, <i>p</i> = 0.009	Effects 0.20 0.15
SCQ (SD)	4.51 (5.65)	16.53 (7.76)	<i>t</i> (76.80) = -8.18, <i>p</i> < 0.001	
<image/>	+ 1 hour 20 Stories	r	+ 1 week	Ariance Explained by Fixed 0.00 0.10 0.00 0.00 0.00
<section-header></section-header>		<image/>	Theory of Mind Booklet TaskImage: Colspan="2">Image: Colspan="2"Image: Colspan="2">Image: Colspan="2">Image: Colspan="2"Image: Colspan="2" </td <td> Overh childre <u>Theor</u> labels </td>	 Overh childre <u>Theor</u> labels



¹University of Delaware ²Northeastern University

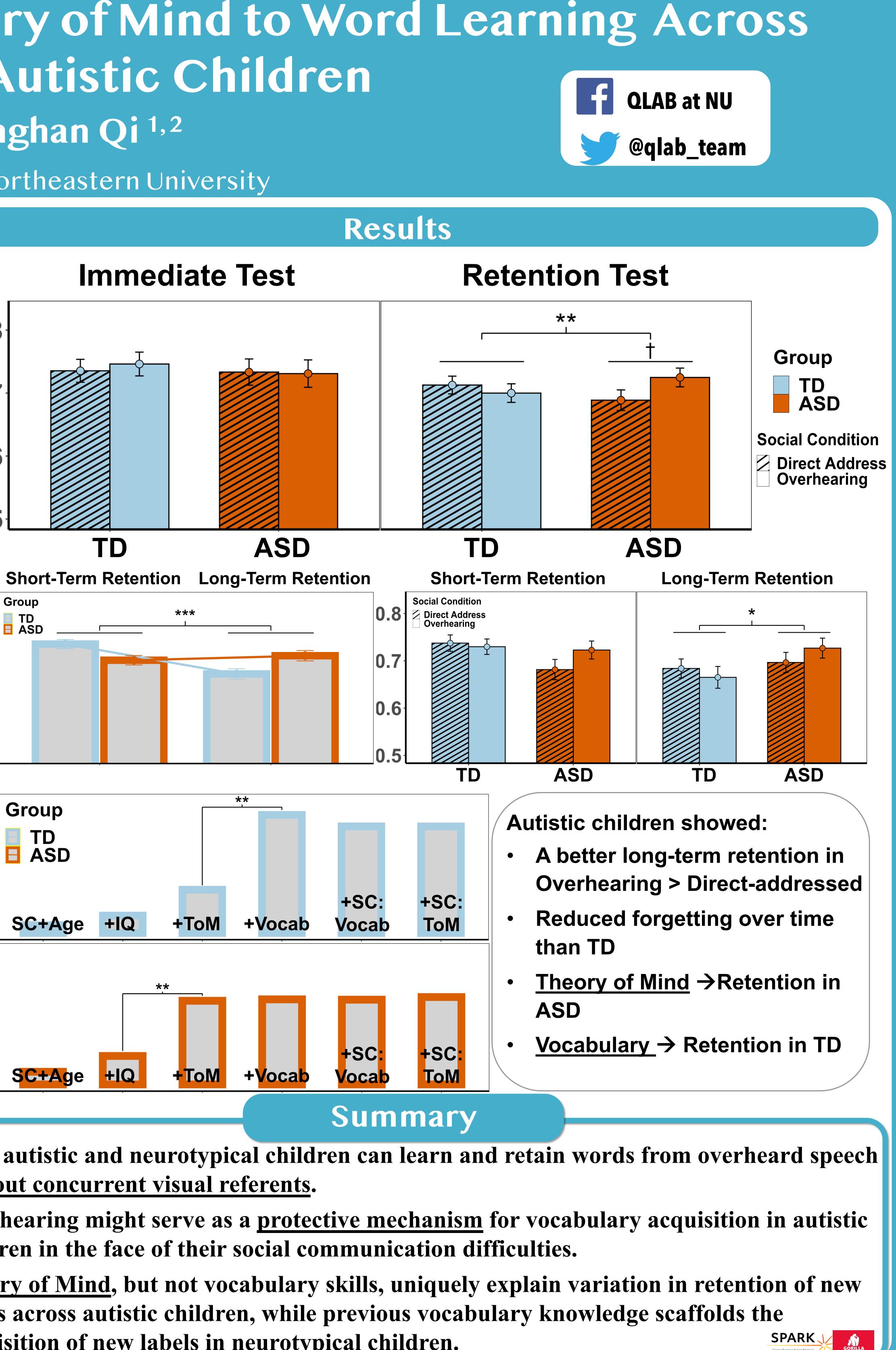
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Lacy

Accur

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Results



out concurrent visual referents.

acquisition of new labels in neurotypical children.