ON-LINE WORD & SENTENCE PROCESSING IN EARLY CHILDHOOD

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I. CONTEXT EFFECTS FROM 3 YEARS OF AGE

- Auditory context, no metalinguistic decisions, ecological valid tasks that 3-year-olds can learn in relatively few practice trials

- Lifespan study of cued shadowing (7-81 years) (repeat target word signaled by a voice shift)

- Lifespan study of picture naming (3-100 years)

- Comparative study of cued shadowing & picture naming from 3 - 8 years of age (within-subjects)
II. EXTENSIONS TO CLINICAL GROUPS

- Pilot study of picture naming with LI, focal brain injury and controls
- Simulations of language disorders in normals under stress (compression, filtering)

III. EXTENSIONS TO INFANCY PREFERENTIAL LOOKING FROM 12 - 36 MONTHS UNDER NORMAL VS. STRESSED INPUT CONDITIONS

- Vocabulary predicts better than age
- Normal ≤ Compressed < Filtered
- Pilot findings for children at risk
From Liu et al., 1997, *Applied Psycholinguistics*

Fig. 1. Sentence Priming of Cued Shadowing across the Lifespan: Facilitation & Inhibition
Fig. 2. Facilitation vs. Inhibition in Sentence Priming of Picture Naming across the Lifespan

New findings comparing picture norming and cued shadowing in normal children from 3 - 8 years of age

Fig. 3 Sentence Priming of Picture Naming vs. Cued Shadowing from 3 - 8 Years of Age
New findings on picture naming in context, in 6-8 year old children with focal brain injury, children with language impairment, and controls.

Figure 4: Priming of Picture Naming in Focal Lesion, Language Impaired and Controls
REFERENCES

