

Wernicke's Area: Modern Evidence and a Reinterpretation

Supplemental Materials

Figure 2A Data: Phonological Retrieval Studies With Minimal Semantic or Auditory Processing Confounds

Ref	Phonological Retrieval Condition	Control	<i>Talairach Peak</i>		
			X	Y	Z
<i>Pseudoword Reading</i>					
1	Read aloud visual pseudowords	Say "hiya" in response to consonant strings	-60	-22	4
2	1-Back rhyme matching of visual pseudowords	1-Back color matching of unfamiliar letter strings	-33	-52	33
3	Pseudoword rhyme matching to previous target	Detect boldface letters in unfamiliar letter strings	-53	-45	24
4	1-Back rhyme matching of visual pseudowords	1-Back visual matching on "barcode" stimuli	-52	-43	3
<i>Word Reading</i>					
5	Rhyme matching on visual words	Letter (visual) matching on visual words	-54	-43	21
			-60	-31	14
6	Rhyme matching on words or pseudowords	Visual matching on false font characters or tones	-60	-43	14
<i>Phonological Priming</i>					
7	Lexical decision with unrelated prime	Lexical decision with phonological prime	-53	-54	22
8	Lexical decision with unrelated prime	Lexical decision with phonological prime	-48	-31	4
			-60	-57	15
<i>Frequency Effect in Phonological Retrieval</i>					
9	Read pseudowords silently	Read words silently	-59	-35	0
10	Name aloud pictures with low-frequency names	Name aloud pictures with high-frequency names	-51	-37	20
11	Name aloud pictures with low-frequency names	Name aloud pictures with high-frequency names	-61	-35	22
<i>Phonological Memory Maintenance</i>					
12	Silently rehearse pseudoword sentences	Rest	-51	-46	16
			-54	-39	20
			-59	-30	0
13	Silently rehearse word pairs	Rest	-60	-15	-1
			-53	-35	21
14	Silently rehearse pseudoword pairs	Rest	-35	-44	5
			-51	-44	5

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