

Table of Contents

Chapter 1	What is Childhood Apraxia of Speech?	5
	Overview	5
	Definition and Characteristics	7
	CAS Debate	8
	ASHA Position Statement	8
	Existence and Description of CAS	8
	Scope of Practice	9
	Summary	9
	Evidence-Based Practice	10
	Applying Research to Treatment	10
Chapter 2	Underlying Premises for Treatment	11
	CAS Versus Articulation and Phonological Disorders	11
	Motor Learning	12
	Integral Stimulation	12
	Before Practice: Trust, Motivation, and Instructions	13
	Trust	13
	Motivation	14
	Instructions	14
	Organizing and Facilitating Practice	15
	Mass Versus Distributed Practice	15
	Blocked Versus Random Practice	16
	Target Sound Selection	17
	Beware of Developmental Norms	18
	Treatment Hierarchy	19
	Coarticulation	20
	Vocabulary Selection	20
	Repetitive Practice	21
	Cueing	21
	Rate and Accuracy	22
	After Practice	22
	Knowledge of Results and Performance	22
	Amount of Feedback	23
	Summary Feedback	23
	Intrinsic Feedback	23
Chapter 3	Treatment: Before Practice	25
	Organization of Target Words	25
	Vocabulary Level	26
	Selecting Initial Targets and Writing Goals	27
	Case Studies on Initial Target Selection	28
	Trust, Motivation, and Attention	31
	Instructions	32
Chapter 4	Treatment: Organization of Practice	33
	Integral Stimulation	33
	Hierarchy/Levels of Practice	34
	Hierarchy of Modeling	35
	Mass and Distributed Practice	37

Table of Contents, continued

Blocked and Random Practice	38
Visual Modality: Mirror Neurons	39
Tactile-Kinesthetic Cue Cards	40
Cue Cards 1 and 2 - CV and VC Words	41
Cue Card 3 - CVC Words	43
Cue Cards 4 and 5 - Initial and Final Strident/Continuants	44
Cue Card 6 - Medial Consonants	46
Cue Cards 7 and 8 - Backward Chaining: /s/ blends and /l/, /r/ blends	47
Cue Cards 9 and 10 - Three- and Four-Syllable Words	49
Effect of Speaking Rate	51
Varying Vocal Parameters	52
Repetitive Practice	53
Data Sheet	55
Chapter 5 Treatment: After Practice	56
Knowledge of Results	56
Knowledge of Performance	57
Home Practice	58
Web Resources for Parents	59
Advice for Parents	60
Appendix	
Levels of Practice	62
Summary of Treatment Steps	63
Phonemes and Card Numbers	65
References	66