



Table of Contents

Foreword	5
Introduction	5
Chapter 1: What Is Childhood Apraxia of Speech?	7
The Controversy About CAS	7
Suspected Causes of CAS	8
A Continuum Disorder or a Syndrome?	9
Characteristics of CAS	9
Appendix 1A: Symposium Findings	21
Chapter 2: Treatment Principles of CAS	22
Foundation Skills	22
Speech Skills	23
Language Skills	26
Home Follow-Up	27
Chapter 3 : Evaluation	29
Diagnosing Childhood Apraxia of Speech	29
Making a Differential Diagnosis	33
Appendix 3A: Parent Interview Form	35
Appendix 3B: Summary of Observation and Test Findings	40
Appendix 3C: Examples of Available Tests	45
Chapter 4: Setting the Stage for Success in Therapy	46
Developing Basic Communication-Learning Skills Through Play	46
Basic Communication-Learning Skills to Be Established	47
Developing joint attention and interaction	47
Developing turn taking and imitation	48
Increasing vocalizations and verbalizations	50
Establishing cooperative and on-task behavior	51
Chapter 5: Speech Therapy	55
Treating Speech in the Child with CAS	55
Using Prosody to Increase Speech Intelligibility	56
Levels of Intervention for Developing Intelligible Speech	57
Level 1: Stabilizing existing vowel and consonant sounds through drill and review	57
Level 2: Producing stabilized vowel and consonant sounds, sound sequences, and simple consonant-vowel (CV) and vowel-consonant (VC) syllables	57
Level 3: Teaching new vowel and consonant sounds	58
Level 4: Expanding sound sequencing skills to produce consonant-vowel-consonant-vowel (CVCV) and vowel-consonant-vowel-consonant (VCVC) syllable sequences	59
Level 5: Closing simple syllables to form consonant-vowel-consonant (CVC) words	60
Level 6: Producing multisyllabic words	61
Level 7: Producing consonant clusters and blends in words	62
Level 8: Producing phrases and sentences	62

Table of Contents, *continued*

Therapy Techniques	62
General therapy techniques	63
Techniques to promote speech intelligibility	69
Techniques to promote home practice	70
Appendix 5A: Speech Sound Practice Pages	73
Pictures	95
Speech Therapy Tracking Sheet	115
Appendix 5B: Cues and Prompts	116
Appendix 5C: Oral-Motor Techniques to Facilitate Correct Production of Isolated Consonant Sounds	123
Appendix 5D: Reinforcement	139
 Chapter 6: Making Speech Therapy Fun	 141
Materials for teaching isolated sounds and sound sequences	141
Materials for practicing syllables and syllable sequences	146
Materials for CVC word practice	150
Materials for multisyllabic words	155
Materials for practicing words with blends	157
Materials for practicing phrases and sentences	158
 Chapter 7: Language Therapy	 160
Language Skills: The Sequence of Development	160
Principles of Helping Children Develop Expressive Language Skills	160
Developing the Use of Pragmatic Skills	163
Facilitating the Use of Expressive Language	165
Teaching at the one-word level	165
Expanding one-word utterances to two-word utterances	166
Expanding two-word utterances to three-word utterances	169
Expanding to longer utterances	171
Teaching grammar	171
Developing narrative skills	172
Developing auditory processing skills	174
Generalizing Language Skills and Use of Longer Utterances	175
Integrate Communication Goals	175
Appendix 7A: Sequence of Cognitive, Play, and Communication Development	176
Appendix 7B: Treatment Plan for Integrating Communication Goals	178
 References	 179