

CONTENTS

LIST OF CONTRIBUTORS	xi
SERIES FOREWORD	xiii
DEDICATION	xvii
ACKNOWLEDGMENTS	xix
FOREWORD	xxi
CHAPTER 1 INTRODUCTION	1
<i>Rajinder Koul</i>	
Introduction	1
Overview of Individual Chapters	2
Who will this Book Benefit?	4
Conclusion	4
References	5
CHAPTER 2 OVERVIEW OF APHASIA AND APPROACHES TO APHASIA INTERVENTION	7
<i>Nidhi Mahendra</i>	
Introduction	7
Incidence and Prevalence	7
Domains Affected as a Result of Aphasia	8
Disorders Accompanying Aphasia	8
Dysarthria	8
Apraxia	9
Agnosia	10
Agraphia	10
Alexia	11
Dysphagia	11
Differential diagnosis	12

Aphasia versus Right Hemisphere Damage	12
Aphasia versus Dementia	12
Aphasia versus Traumatic Brain Injury	13
Types of Aphasia Syndromes	13
Fluent versus Nonfluent Aphasia	14
Perisylvian versus Extrasylvian Aphasia	14
The "Boston" Classification and the Western Aphasia	15
Battery Taxonomy	
Anomic Aphasia	15
Broca's Aphasia	18
Wernicke's Aphasia	19
Conduction Aphasia	19
Global Aphasia	20
Transcortical Motor Aphasia	20
Transcortical Sensory Aphasia	20
Transcortical Mixed Aphasia	21
Rare Aphasias	21
Subcortical Aphasia	21
Crossed Aphasia	22
Primary Progressive Aphasia (PPA)	22
Dynamic or Prefrontal Aphasia	23
Aphasia Syndromes: To Classify or not to Classify	24
Communication Intervention Approaches in Aphasia	25
General Conceptual Approaches to Aphasia Intervention	27
Direct versus Indirect Interventions	27
Individual versus Group Interventions	27
Restorative versus Compensatory Interventions	28
Process-Based versus Situation-Specific Therapeutic	28
Interventions	
Specific Approaches to Aphasia Intervention	29
Traditional Approaches	30
Stimulation Approaches	30
Cognitive Neuropsychological and Neurolinguistic	32
Approaches	
Technology-Based Approaches	35
Psychosocial and Functional Approaches to	37
Aphasia Intervention	

Social and Life Participation Approaches to Aphasia Therapy	37
Summary	40
Acknowledgments	40
References	41

CHAPTER 3 OVERVIEW OF AAC INTERVENTION APPROACHES FOR PERSONS WITH APHASIA 47

Rajinder Koul

Introduction	47
AAC intervention Based on Use of Technology or no-Technology Options	48
Technology-Based AAC Intervention Approaches	49
No-Technology-Based AAC Intervention Approaches	52
AAC intervention based on Communication needs, Competencies, and Participation Levels	53
Partner-Dependent Communicators	54
Emerging Communicators	54
Contextual-Choice Communicators	55
Transitional Communicators	57
Partner-Independent Communicators	58
Stored-Message Communicators	58
Generative-Message Communicators	59
Specific-Need Communicators	60
Conclusions	61
References	61

CHAPTER 4 EFFICACY OF TECHNOLOGICALLY BASED AAC INTERVENTION APPROACHES 65

Rajinder Koul

Introduction	65
Methods	66
Inclusion Criteria	66
Data Extraction	67
Results	67

Participant Characteristics	71
Dependent Measures	71
Design	71
Outcomes	71
Appraisal of Evidence	74
Summary of Studies not included in the Systematic Review	75
Conclusions	76
References	77

CHAPTER 5 EFFICACY OF NO-TECHNOLOGY-BASED AAC INTERVENTION APPROACHES 79

Melinda Corwin

Introduction	79
Strategy Types	79
Unaided Strategies	79
Partner-Dependent/Partner-Assisted Strategies	80
External-Stored Information	83
Self-Formulated/Self-Generated Messages	84
Efficacy Research	85
Review of Research Studies	86
Unaided Strategies	86
Partner-Dependent/Partner-Assisted Strategies	87
External Stored Information	88
Self-Formulated/Self-Generated Messages	89
Summary	90
References	91

CHAPTER 6 AAC AND MESSAGE ENHANCEMENT FOR PERSONS WITH APHASIA 93

Ann R. Beck

Introduction	93
Characteristics of Aphasia and AAC Intervention	94
Computer-based AAC Systems and their Use in Aphasia	97
Intervention	
AAC Devices Specifically Designed for Persons with Aphasia	101
Conclusions	110
References	112

CHAPTER 7 WHAT DO SOCIAL VALIDATION DATA TELL US ABOUT AAC INTERVENTIONS? 115

Ralf W. Schlosser

Introduction	115
What is Social Validation and Why Should We Care?	116
The AAC Social Validation Framework	116
The "How" Component	117
Subjective Evaluation	117
Social Comparison	117
The "Who" Component	118
The "What" Component	119
Goal Validation	119
Methods Validation	120
Outcomes Validation	121
The Measurement of Social Validation	123
Summary	124
References	124

CHAPTER 8 SOCIAL VALIDATION OF AUGMENTATIVE AND ALTERNATIVE COMMUNICATION INTERVENTIONS IN APHASIA 129

Melinda Corwin

Introduction	129
Investigating Social Validation	132
Structured Conversation Analysis	133
Rating Scales	138
Structured Interviews	141
Summary	150
References	151

CHAPTER 9 THE PROCESS OF EVIDENCE-BASED PRACTICE: INFORMING AAC CLINICAL DECISIONS FOR PERSONS WITH APHASIA 155

Rajinder Koul and Melinda Corwin

Introduction	155
AAC Intervention with Aphasia: an EBP Illustration	156

Step 1: Asking a Well-Built Question	156
Steps 2 and 3: Selecting Evidence Sources and Executing the Search Strategy	157
Step 4: Examining the Evidence	157
Technology-Based AAC Intervention Approaches	158
Efficacy of Technology-Based AAC Intervention Approaches	158
No-Technology AAC Intervention Approaches	159
Efficacy of No-Technology-Based AAC Intervention Approaches	159
Summary of the Evidence	159
Step 5: Applying the Evidence	160
Step 6: Evaluating the Evidence Application	160
Step 7: Disseminating the Findings	161
Conclusions	161
Acknowledgments	162
References	162
ABOUT THE EDITOR	165
AUTHOR INDEX	167
SUBJECT INDEX	173