



Distinctive Features of Phonemes and First Language Acquisition by a Normally Developing Child Without Hearing Impairment: Evidence from Slovak¹

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Abstract

Speech audiometry uses various types of perceptual tests for the diagnostics of hearing impairment. One of them is a matrix test (Akeroyd et al., 2015), originally prepared for adults, which fully respects the phonological rules of a language, including neutralizations of phonological oppositions based on distinctive features. The shorter version of this test, a so-called reduced matrix test, can be helpful in speech audiometry focusing on children and infants. The goal of our paper is to find out if distinctive features of phonemes are important in the process of first language acquisition. If yes, reduced matrix test aimed at children and infants can be created as a mere simplification of the matrix designed for adults (Panocová & Gregová, 2019). However, if distinctive features do not affect first language acquisition, completely new matrix has to be prepared for infants. The research was based on the longitudinal observation of two infants whose mother tongue is Slovak.

1. INTRODUCTION

A matrix test is one of the latest types of perceptual tests used in speech audiometry to diagnose the degree and nature of hearing impairment. The first matrix test² was introduced by Hagerman (1982), and later it was improved by Wagner et al. (1999a,b,c). Detailed guidelines for constructing the matrix test and comparing it to the other type of speech test, the digit triplet test, as developed by the ICRA (International Collegium of Rehabilitative Audiology) working group on Multilingual Speech Tests, can be found in Akeroyd et al. (2015). Following Akeroyd et al. (2015, p. 3), the main linguistic characteristics of the matrix test are as follows:

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² Matrix test "consists of five-word long sentences, each of which has the same syntax, but is not necessarily meaningful, i.e. the semantic content is unpredictable (e.g. "Thomas wins eight red shoes"; "Kathy bought two dark spoons")" (Akeroyd et al., 2015, p. 3). The test is used for speech intelligibility testing.

The Phonology Of Normally Developing And Language Impaired Children

Shula Chiat, James Law, Jane Marshall



The Phonology Of Normally Developing And Language Impaired Children:

The Phonology of Normally Developing and Language-impaired Children Mieke Beers, Wilhelmina Beers, 1995

The Development of Language Martyn Barrett, 2016-01-28 This book presents a general overview of our current knowledge of language development in children All the principal strands of language development are covered including phonological lexical syntactic and pragmatic development bilingualism precursors to language development in infancy and the language development of children with developmental disabilities including children with specific language impairment Written by leading international authorities each chapter summarises clearly and lucidly our current state of knowledge and carefully explains and evaluates the theories which have been proposed to account for children s development in that area

Handbook of Phonological Development Joseph Paul Stemberger, Barbara Handford Bernhardt, 2023-10-09 Combining a collection of data on phonological acquisition with attention to Optimality Theory this book blends the studies of linguistics psycholinguistics and speech language pathology in reference to phonological development It also contains an evaluation of competing theories and presents a view of non linear phonology *Phonological Disorders in Children* Mehmet S.

Yavas, 2018-10-26 Originally published in 1991 the recent developments in the study of phonological disorders in children had led to a fruitful interaction between speech pathology and phonology It is one aspect of the application of linguistic theory to the study of speech and language disorders which had opened up a new field clinical linguistics This book brings together the concerns of the linguist and the speech pathologist the essays chosen share the quality of not discussing theory or therapy without addressing the implications one has for the other By concentrating on recent work the editor hoped to stimulate further discussion in this important and fast growing area of research Handbook of Applied Psycholinguistics

Sheldon Rosenberg, 2014-02-04 First published in 1982 The chapters of this handbook contain critical integrative reviews of research and theory in the major areas of the field of applied psycholinguistics the field in which applied problems of language and communicative functioning and development are approached from the standpoint of basic research and theory in psycholinguistics and related areas of cognitive psychology The book was designed to meet the needs of researchers practitioners and graduate students from such disciplines as education including special education language learning linguistics neurology psychiatry psychology and speech and hearing for such reviews although the state of research in an area and a desire to stress research and theory in substantive areas resulted in a decision not to include chapters on the measurement of linguistic maturity language intervention the language of the learning disabled child language and environmental deprivation language and mania language and senile dementia and the design of written and oral information and computer command language

Classification of Developmental Language Disorders Ludo Verhoeven, Hans van Balkom, 2003-09-12 Chapters written by leading authorities offer current perspectives on the origins and development of language disorders They address the question How can the child s linguistic environment be restructured so that children at

risk can develop important adaptive skills in the domains of self care social interaction and problem solving This theory based but practical book emphasizes the importance of accurate definitions of subtypes for assessment and intervention It will be of interest to students researchers and practitioners in the field of developmental language disorders Children with Specific Language Impairment Laurence B. Leonard, 2000 Children with Specific Language Impairment covers all aspects of SLI including its history possible genetic and neurobiological origins and clinical and educational practice *Phonological Development and Disorders in Children* Zhu Hua, Barbara Dodd, 2006-01-01 This volume brings together a collection of empirical studies on phonological acquisition and disorder of monolingual children speaking different languages English German Putonghua Cantonese Maltese Telugu Colloquial Egyptian Arabic and Turkish and bilingual children speaking different language pairs Spanish English Cantonese English Mirpuri Punjabi Urdu English Welsh English Arabic English and Putonghua Cantonese The research findings provide much needed baseline information for clinical assessment and diagnosis as well as valuable evidence concerning theories of language acquisition and the role of the ambient language Language Disorders in Children and Adults Shula Chiat, James Law, Jane Marshall, 2008-04-30 Each chapter is written by a speech and language therapist specialising in psycholinguistic approaches to investigation and intervention Authors were invited to present a single case in one of four given areas speech processing lexical processing sentence processing and pragmatics The editors have provided introductions to each subject area and a discussion of the findings at the end of each section

Language Development and Language Impairment Paul Fletcher, Ciara O'Toole, 2015-08-17 Language Development and Language Impairment offers a problem based introduction to the assessment and treatment of a wide variety of childhood language developmental disorders Focuses for the most part on the pre school years the period during which the foundations for language development are laid Uses a problem based approach designed to motivate students to find the information they need to identify and explore learning issues that a particular speech or language issue raises Examines the development of a child's phonological system the growth of vocabulary the development of grammar and issues related to conversational and narrative competence Integrates information on typical and atypical language development

Unveiling the Power of Verbal Artistry: An Mental Sojourn through **The Phonology Of Normally Developing And Language Impaired Children**

In a global inundated with monitors and the cacophony of fast conversation, the profound power and psychological resonance of verbal artistry usually disappear in to obscurity, eclipsed by the regular onslaught of sound and distractions. However, nestled within the lyrical pages of **The Phonology Of Normally Developing And Language Impaired Children**, a fascinating work of fictional beauty that impulses with fresh thoughts, lies an wonderful journey waiting to be embarked upon. Published with a virtuoso wordsmith, this exciting opus instructions visitors on a psychological odyssey, delicately exposing the latent potential and profound impact stuck within the delicate internet of language. Within the heart-wrenching expanse of the evocative evaluation, we shall embark upon an introspective exploration of the book is main subjects, dissect its fascinating writing style, and immerse ourselves in the indelible impression it leaves upon the depths of readers souls.

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Table of Contents The Phonology Of Normally Developing And Language Impaired Children

1. Understanding the eBook The Phonology Of Normally Developing And Language Impaired Children
 - The Rise of Digital Reading The Phonology Of Normally Developing And Language Impaired Children
 - Advantages of eBooks Over Traditional Books
2. Identifying The Phonology Of Normally Developing And Language Impaired Children
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an The Phonology Of Normally Developing And Language Impaired Children
 - User-Friendly Interface
4. Exploring eBook Recommendations from The Phonology Of Normally Developing And Language Impaired Children

- Personalized Recommendations
 - The Phonology Of Normally Developing And Language Impaired Children User Reviews and Ratings
 - The Phonology Of Normally Developing And Language Impaired Children and Bestseller Lists
5. Accessing The Phonology Of Normally Developing And Language Impaired Children Free and Paid eBooks
 - The Phonology Of Normally Developing And Language Impaired Children Public Domain eBooks
 - The Phonology Of Normally Developing And Language Impaired Children eBook Subscription Services
 - The Phonology Of Normally Developing And Language Impaired Children Budget-Friendly Options
 6. Navigating The Phonology Of Normally Developing And Language Impaired Children eBook Formats
 - ePub, PDF, MOBI, and More
 - The Phonology Of Normally Developing And Language Impaired Children Compatibility with Devices
 - The Phonology Of Normally Developing And Language Impaired Children Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of The Phonology Of Normally Developing And Language Impaired Children
 - Highlighting and Note-Taking The Phonology Of Normally Developing And Language Impaired Children
 - Interactive Elements The Phonology Of Normally Developing And Language Impaired Children
 8. Staying Engaged with The Phonology Of Normally Developing And Language Impaired Children
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers The Phonology Of Normally Developing And Language Impaired Children
 9. Balancing eBooks and Physical Books The Phonology Of Normally Developing And Language Impaired Children
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection The Phonology Of Normally Developing And Language Impaired Children
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine The Phonology Of Normally Developing And Language Impaired Children
 - Setting Reading Goals The Phonology Of Normally Developing And Language Impaired Children
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of The Phonology Of Normally Developing And Language Impaired Children

- Fact-Checking eBook Content of The Phonology Of Normally Developing And Language Impaired Children
- Distinguishing Credible Sources

13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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