

Research Article

Language Sample Analysis in Clinical Practice: Speech-Language Pathologists' Barriers, Facilitators, and Needs

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Purpose: Most speech-language pathologists (SLPs) working with children with developmental language disorder (DLD) do not perform language sample analysis (LSA) on a regular basis, although they do regard LSA as highly informative for goal setting and evaluating grammatical therapy. The primary aim of this study was to identify facilitators, barriers, and needs related to performing LSA by Dutch SLPs working with children with DLD. The secondary aim was to investigate whether a training would change the actual performance of LSA.

Method: A focus group with 11 SLPs working in Dutch speech-language pathology practices was conducted. Barriers, facilitators, and needs were identified using thematic analysis and categorized using the theoretical domain framework. To address the barriers, a training was developed using software program CLAN. Changes in barriers and use

of LSA were evaluated with a survey sent to participants before, directly after, and 3 months posttraining.

Results: The barriers reported in the focus group were SLPs' lack of knowledge and skills, time investment, negative beliefs about their capabilities, differences in beliefs about their professional role, and no reimbursement from health insurance companies. Posttraining survey results revealed that LSA was not performed more often in daily practice. Using CLAN was not the solution according to participating SLPs. Time investment remained a huge barrier.

Conclusions: A training in performing LSA did not resolve the time investment barrier experienced by SLPs. User-friendly software, developed in codesign with SLPs might provide a solution. For the short-term, shorter samples, preferably from narrative tasks, should be considered.

Developmental language disorder (DLD) is a common neurodevelopmental disorder (Bishop et al., 2016). Children with DLD experience difficulties in all language domains (Leonard, 2017). However, failure to acquire and/or efficiently use grammar has been proposed as a clinical marker of the disorder. Speech-language pathologists (SLPs) are the primary professionals involved in speech and language assessment and therapy for children with DLD. As such, they play a significant role in helping these children to master the rules of grammar in order to improve their communicative participation. To achieve this, SLPs want to choose functional grammatical intervention goals, for which detailed information about the child's grammatical development and daily language use is crucial. To date, SLPs

tend to rely on information from standardized language tests for goal setting (Overton & Wren, 2014; Pavelko et al., 2016). These standardized language tests appear to guide SLPs more in decision making than informal measures derived from language sample analysis (LSA; Fulcher-Rood et al., 2019). However, outcomes of standardized tests often only provide an indication whether grammatical skills are age-appropriate and give limited information about children's actual grammatical language production. Moreover, many grammatical phenomena are difficult or impossible to elicit in a standardized way (Ebert & Scott, 2014).

LSA is a more naturalistic and ecologically valid way to evaluate a child's language performance. LSA offers clinicians the opportunity to collect and analyze language samples that represent linguistic performance in a real-life situation, such as conversation, or in more structured communication tasks, such as narratives (Calder et al., 2017; Price et al., 2010). These types of language elicitation tasks reflect daily communication, which requires integration of all language domains (morphology, syntax, semantics, and pragmatics). Contrastively, standardized language tests mostly tap into separate domains and were never designed to set

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Language Sample Analysis Report

Dale Bengston



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Assessing Children's Language in Naturalistic Contexts Nancy J. Lund,Judith F. Duchan,1988 **Journal for Computer Users in Speech and Hearing** ,1992 Computer Applications for Augmenting the Management of Speech, Language, and Hearing Disorders Franklin H. Silverman,1997 This is the first book in this field to examine computers and their impact on the study and practice of speech language pathology and audiology It introduces students to the multitude of ways that speech language pathologists and audiologists have used computers to provide clinical services more efficiently and more cost effectively With this information students will be better able to adequately promote the welfare of the persons they serve professionally in the managed health care cost containment environment in which they are likely to be required to practice in the near future *An Investigation of Functional Attributes of Language and Conceptual Performance in Schizophrenic Adolescents* Maurice Jay Durall,1970 *Psychware Sourcebook* Samuel E. Krug,1988 *A Coursebook on Scientific and Professional Writing in Speech-language Pathology* Mahabalagiri N. Hegde,1994 Language Disorders in Children Barbara Ann Johnson,Barbara Ann Johnson-Root,1996 A comprehensive text that will provide students with information and an understanding of key issues in language development and disorders in children The information is presented in a logical order that includes many clinical examples and illustrations so that the reader can assimilate each new concept The inclusion of multicultural issues and family based intervention make it a timely and complete text U.S. Government Research & Development Reports ,1967 *Hegde's PocketGuide to Assessment in Speech-language Pathology* Mahabalagiri N. Hegde,2008 Widely recognized as one of the most valuable resources in speech language pathology the respected Hegde s PocketGuide to Assessment in Speech Language Pathology is now in its third edition Designed as a companion volume to the Hegde s PocketGuide to Treatment in Speech Language Pathology Third Edition it provides clinical practitioners and students in communication sciences and disorders a quick reference for assessment techniques The most desirable features of a specialized dictionary of terms clinical resource book and textbook of assessment are combined in this single easy to access resource Assessment procedures are provided in a do this format Information not directly related to assessment procedures has been moved to the new Hegde s PocketGuide to Communication Disorders allowing for expanded coverage of assessment procedures and the addition of important new entries making this edition more relevant and useful than ever **Linguistics and Language Behavior Abstracts** ,2005 Communication, Control, and Computer Access for Disabled and Elderly Individuals: Switches and environmental controls Dale Bengston,1967 One of a series of three resource

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