

Poster presentation only

Language Development Properties of the Individual with Congenital Adrenal Hyperplasia: A Case Study

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ABSTRACT

Introduction: Congenital adrenal hyperplasia (CAH) is essential for cortisol synthesis in the adrenal cortex. It is an autosomal recessive disease group that develops due to the deficiency of one of the enzymes. Most common type is 21-hydroxylase deficiency. The clinical picture is quite variable. There is an excess of androgens with cortisol deficiency, aldosterone deficiency may accompany. The factor that determines the diversity of the clinical picture is the degree of enzyme deficiency. Plante et al. studied in 2008 that increasing the levels of testosterone in individuals with CAH may change prenatal brain development and cause special learning difficulties, and their findings indicate that language-based learning difficulties may arise.

Purpose: No study has been conducted in the literature about the Turkish language characteristics of individuals with congenital adrenal hyperplasia. The purpose of this study is to examine the language characteristics of a 2 years old individual who applied our clinics.

Method: In the assessment, both informal and formal tools were used to obtain speech and language data as well as information on the developmental stages. Among the standard tests, TEDİL (Test of early language development) and TİGE (Turkish Communication Behavior Development Inventory) were used. TEDİL determines the child's expressive and receptive language. TİGE determines the total communicational output of the child.

Findings and Results: As a result of these assessments, our case had 31 points in TİGE 2 (16-36 months). 16 of them have been observed in the therapies. The TEDİL receptive language standard score is 100 and the expressive language standard score is 71. The recipient language equivalent age is 2;2. Expressive language equivalent age is under 2 years old. In the future, it should be examined in more detail with more cases.

Key Words: Congenital adrenal hyperplasia, language development, expressive language, receptive language

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