



Investigation and Examination of Contralateral Acoustic Reflex in Children with Phonological Disorder

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Keywords: C... A... D... ; A... ; C... ; C...

Introduction

Contralateral Acoustic Reflex (CAR) is a protective mechanism that occurs in response to loud sounds. It involves the contraction of the stapedius muscle in the ear opposite to the sound source. This reflex helps to reduce the intensity of sound entering the ear, thereby protecting the inner ear from damage. In children with phonological disorders, the CAR may be affected, leading to increased susceptibility to hearing loss and further speech difficulties. This study aims to investigate the presence and function of the CAR in this population.

Research has shown that children with phonological disorders often have underlying hearing impairments, which can contribute to their speech difficulties. The CAR is a key component of the auditory system that helps to maintain optimal hearing levels. By examining the CAR in children with phonological disorders, we can gain insights into the relationship between hearing and speech development.

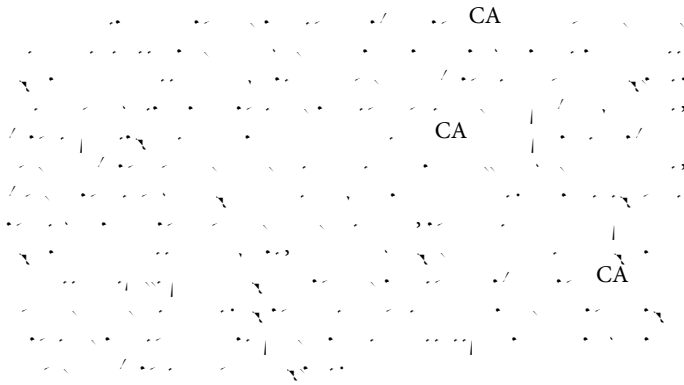
The purpose of this study is to determine the prevalence of CAR in children with phonological disorders and to explore any correlations between CAR status and speech outcomes. The study will involve a series of acoustic reflex tests conducted in a controlled laboratory setting. The results of this study will provide valuable information for clinicians and researchers alike, helping to better understand the role of the auditory system in speech development and to identify potential interventions for children with phonological disorders.

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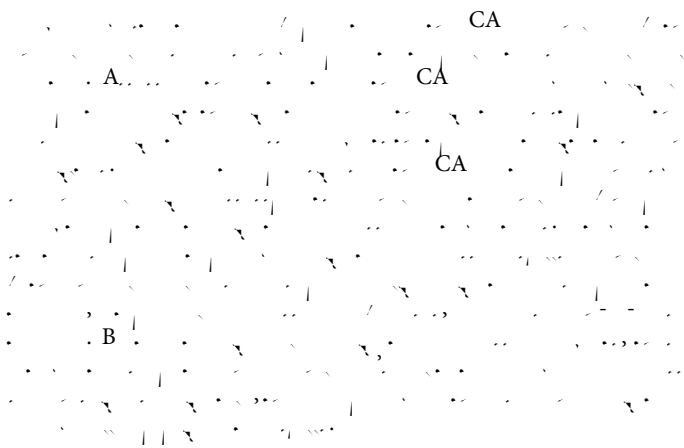
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Examining the relationship between the CAR and phonological disorders



Implications for assessment and intervention



Conclusion

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