Abstract Template

Abstract Title: Psychometric properties of the dizziness handicap inventory-child/adolescent (DHI-CA) – short form

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Abstract (not more than 300 words)

Introduction: Dizziness during childhood and adolescence interferes with psychological behavior, and can lead to consequences such as poor academic performance and language disorders. Purpose: To develop and verify the applicability of the short version of the Dizziness Handicap Inventory-Child/Adolescent (DHI-CA) in school-going children and adolescents. Methods: A methodological validation study developed in municipal public network teaching units of Cabula Sanitary District/ Beiru de Salvador, Bahia. Data were collected by means of the Dizziness Handicap Inventory Child/Adolescent (DHI-CA) and proposed short version denominated Dizziness Handicap Inventory Child/Adolescent short form (DHI-CA/SF). The DHI-CA/SF is composed of 15 objective questions divided into subscales corresponding to emotional, physical and functional aspects. Results: The sample of 97 children and adolescents was composed of 69 girls (71.1%) and 28 (28.9%), boys. The age-range was from 7 to 15 years with mean age of 11 years. Internal consistency relative to the total scale was α=0.84; and α=0.66 for the functional; α=0.61, emotional, and α=0.65 for the physical subscale. Relative to agreement between the two applications of DHICA/SF, the authors verified that the intra-examiner intraclass correlation coefficients demonstrated satisfactory agreement, and satisfactory to excellent agreement for the items in the second application. Agreement values in the second application were: - emotional: 0.70; - Functional: 0.93, and Physical: 0.80. Conclusion: By means of the Dizziness Handicap Inventory Child/Adolescent DHI-CA it was possible to obtain a short version denominated Dizziness Handicap Inventory Child/Adolescent-short form (DHI/CA-SF) applicable in children or adolescents with complaints of dizziness.

Keywords: Child, Dizziness, Quality of life, Validity of tests.

Professional Biography (100-150 words)

He holds a bachelor's degree in Speech-Language Pathology from the Universidade Católica de Pernambuco (1986), a specialty in audiology from CFFa, a specialty in voice by CFFa, and a Master's in Speech-Language Pathology from Pontifícia Universidade Católica de São Paulo (2007). PhD in the Post-Graduate Program in Interactive Processes of Organs and Systems of the Federal University of Bahia (2013-2016); Doctorate Sandwich at the University of Porto / Portugal (2014-2015). CAPES scholarship holder (2014-2015). Assistant Professor of the Speech Therapy Course at the State University of Bahia. Has experience in the area of Clinical Audiology and Otoneurology, acting mainly in the following areas: Audiological Evaluation, Vestibulometry and Vestibular Rehabilitation. Develops research and extension projects in vestibular rehabilitation and vectoelectronystagmography.



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