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Development and validation of the Brazilian Version of Lay Persons' Social Judgements about Cleft-lip Scale (B-LSojCleft-S)

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Abstract and Figures

Abstract The aim of this study was to develop and analyze the psychometric properties of the Brazilian Version of Lay Person's Social Judgement about Cleft-lip Scale (B-LSojCleft-S). A standardized photograph of a 16-year-old girl was manipulated by using photo editing software, to simulate different cleft-lip situations. The cleft-free image was used as a control. The researchers structured an initial questionnaire that was evaluated by experts and a sample of the target population to evaluate the construct. After analysis by the researchers, a final version of the B-LSojCleft-S containing 14 items was generated. Each answer was awarded score from 1 to 3 points, yielding a total score of 14 to 42 points. Higher scores represented better social judgements. The B-LSojCleft-S was applied online to 103 test participants and 73 retest participants with an interval of 20 days between application. Aspects of acceptability, discriminant property, internal consistency, reliability and construct validity were evaluated. Construct validity was assessed using the Friedman test ($p < 0.05$). Reliability was determined using an intraclass correlation coefficient > 0.70 , and internal consistency using Cronbach's alpha > 0.81 . The B-LSojCleft-S showed high acceptability, strong discriminant property, excellent internal consistency and reliability, but had a floor and ceiling effect. The instrument reached valid and reliable scores and had acceptable psychometric properties to evaluate the social judgments of lay persons about different cleft lip situations in a Brazilian population.



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ORIGINAL RESEARCH
Pediatric Dentistry

Development and validation of the Brazilian Version of Lay Persons' Social Judgements about Cleft-lip Scale (B-LSojCleft-S)

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Declaration of Interests: The authors certify that they have no commercial or associative interest that represents a conflict of interest in connection with the manuscript.

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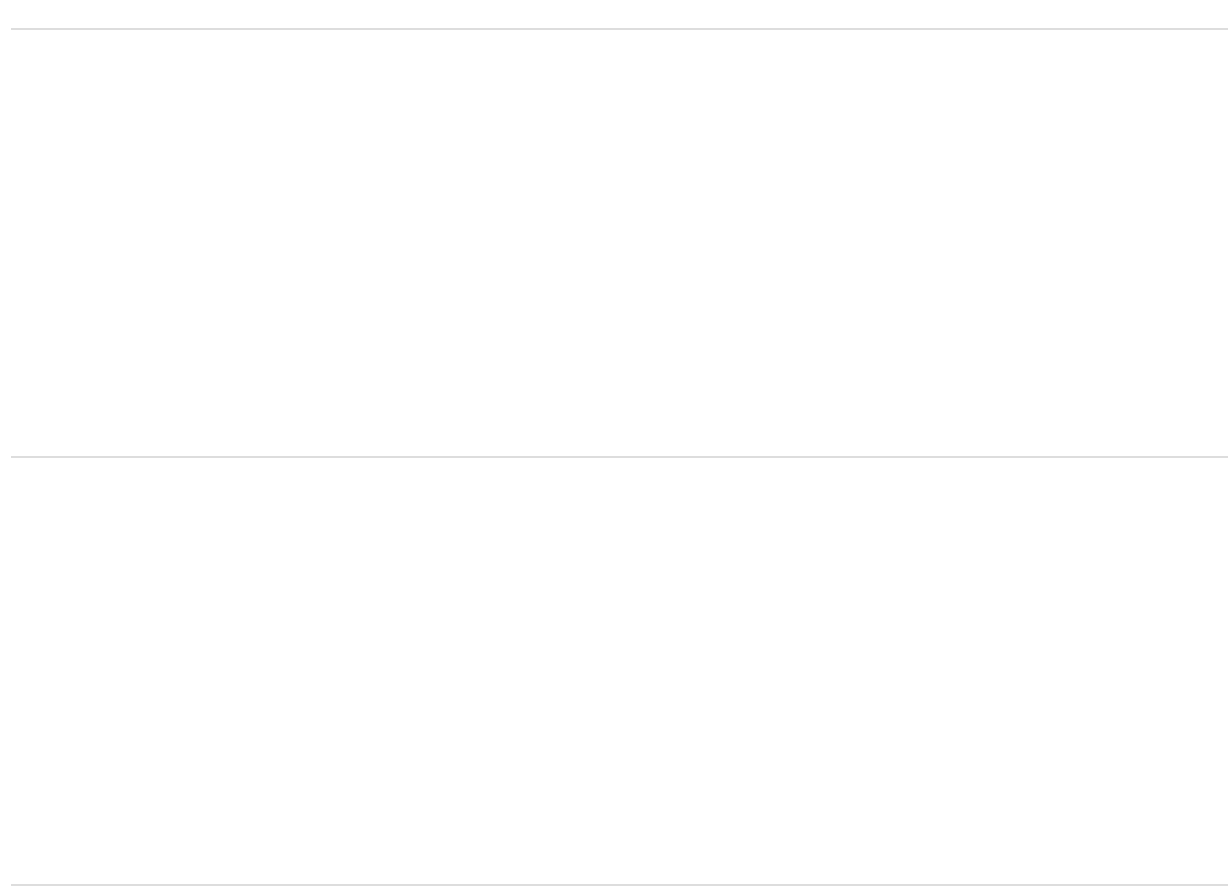
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Abstract: The aim of this study was to develop and analyze the psychometric properties of the Brazilian Version of Lay Person's Social Judgement about Cleft-lip Scale (B-LSojCleft-S). A standardized photograph of a 16-year-old girl was manipulated by using photo editing software, to simulate different cleft-lip situations. The cleft-free image was used as a control. The researchers structured an initial questionnaire that was evaluated by experts and a sample of the target population to evaluate the construct. After analysis by the researchers, a final version of the B-LSojCleft-S containing 14 items was generated. Each answer was awarded score from 1 to 3 points, yielding a total score of 14 to 42 points. Higher scores represented better social judgements. The B-LSojCleft-S was applied online to 103 test participants and 73 retest participants with an interval of 20 days between application. Aspects of acceptability, discriminant property, internal consistency, reliability and construct validity were evaluated. Construct validity was assessed using the Friedman test ($p < 0.05$). Reliability was determined using an intraclass correlation coefficient > 0.70 , and internal consistency using Cronbach's alpha > 0.81 . The B-LSojCleft-S showed high acceptability, strong discriminant property, excellent internal consistency and reliability, but had a floor and ceiling effect. The instrument reached valid and reliable scores and had acceptable psychometric properties to evaluate the social judgments of lay persons about different cleft lip situations in a Brazilian population.

Keywords: Cleft Lip; Validation Study; Psychometrics; Adolescent.

Introduction

Cleft lip and palate are the most common congenital anomalies of the face and are among the most common craniofacial alterations.¹ It is estimated that 1 in 730 individuals are born with this condition in low- and middle-income countries.² The etiology of orofacial clefts has been correlated with environmental factors and genetic influence.³ Clefts can be associated with syndromes or individuals may be affected by isolated clefts, the latter being the most prevalent group, representing about 70% of cases of cleft lip and palate.³



Citations (1)

References (28)

Association between sex of the individual with untreated cleft lip and social judgement made by lay persons: A cross-sectional study

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Ana Carolina Del-Sarto Azevedo MAIA · Stefanni Olga Aguiar Sales Lima ·  Lucas Jural ·  Fabio Ornellas Prado



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Association between sex of the individual with untreated cleft lip and social judgement made by lay...

June 2024 · Orthodontics and Craniofacial Research

Ana Carolina Del-Sarto Azevedo MAIA · Stefanni Olga Aguiar Sales Lima ·  Lucas Jural · [...] ·  Fabio Ornellas Prado

Objective To assess whether there is an association between an individual's sex and social judgements made by lay persons regarding untreated cleft lip. **Materials and Methods** Lay individuals over 18 years old were recruited through an application to respond online to two questionnaires: a sociodemographic survey and the Brazilian Version of Lay Persons' Social Judgements about Cleft-lip Scale ... [\[Show full abstract\]](#)

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Development and psychometric properties of a questionnaire about knowledge of lay people about traum...

October 2023 · Dental Traumatology

 Lucas Jural ·  Marcela Magno ·  Lucianne Cople Maia · [...] ·  Mariana Batista Ribeiro Lages

Background/aims: The level of knowledge about traumatic dental injuries (TDI) of lay people from a national point of view has never been studied and there is currently a lack of validated research instruments on this issue. The present study aims to develop and validate a questionnaire (TDI-Q) to assess the knowledge of lay people about TDI, including participants from the five regions of ... [\[Show full abstract\]](#)





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Does the facial pattern give individuals a profile of a crime suspect?

August 2019 · Bioscience Journal

 Matheus Melo Python ·  Nathalia de Lima Santos ·  Camila Silva de Amorim · [...] ·  Camila Barreto Rangel dos Santos

To evaluate the influence of mesofacial, brachyfacial and dolichofacial facial patterns on giving an individual the profile of a crime suspect in the eyes of public security agents. This study had a cross-sectional design, conducted with public security agents of both sexes (n=100), where images of facial composites (police sketches) of individuals with different facial patterns (mesofacial, ... [\[Show full abstract\]](#)





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Influence of Vestibular Bevel on the Success of Traumatized Teeth Restorations: Single-Blind Randomi...

January 2020 · Pesquisa Brasileira em Odontopediatria e Clínica Integrada

 Lucas Jural ·  Marcela Magno ·  Matheus Melo Python ·  Lucianne Cople Maia

Objective: To evaluate the influence of cavosurface vestibular bevel (CSVV) application on the clinical success (CS) of class IV restorations of traumatized permanent teeth, the influence of the number of fracture angles and dental trauma recurrence (DTR) on the restorations retention rate (RRR) and incidence of pulp necrosis (PN). **Material and Methods:** Fifty-seven children and adolescents with ... [\[Show full abstract\]](#)

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