

Volume 79, Issue 6
(November 2009)
[< Previous Article](#) [Volume 79, Issue 6 \(November 2009\)](#) [Next Article >](#)
[Add to Favorites](#) [Share Article](#) [Export Citations](#) [Track Citations](#) [Permissions](#)
[Full-text](#)[PDF](#)

Delcides F. de Paula, Júnior, Nádia C. M. Santos, Érica T. da Silva, Mariade Fátima Nunes, Cláudio R. Leles (2009) Psychosocial Impact of Dental Esthetics on Quality of Life in Adolescents. The Angle Orthodontist: Vol. 79, No. 6, pp. 1188-1193.

Original Article

Psychosocial Impact of Dental Esthetics on Quality of Life in Adolescents Association with Malocclusion, Self-Image, and Oral Health-Related Issues

Delcides F. de Paula, Júnior^a, Nádia C. M. Santos^a, Érica T. da Silva^a, Mariade Fátima Nunes^a, and Cláudio R. Leles^b

Abstract

Objective: To test the hypothesis that several dimensions of the self-perceived psychosocial impacts of dental esthetics are not associated with grades of malocclusion, oral health-related quality-of-life measures, and body self-image in adolescents.

Materials and Methods: This cross-sectional study included a convenience sample of 301 adolescents (mean age 16.1 ± 1.8 years, 58.1% female subjects). Demographic data were collected and dental conditions were assessed. The Dental Aesthetic Index (DAI) was used for assessment of malocclusion and determination of orthodontic treatment needs. The short form of the Oral Health Impact Profile (OHIP-14), the Psychosocial Impact of Dental Aesthetics Questionnaire (PIDAQ), and the Body Satisfaction Scale (BSS) were used to measure adolescents' self-perceived variables.

Results: All variables (DAI, OHIP-14, and BSS) were correlated with PIDAQ ($P < .001$). Stepwise multiple regression analysis revealed significant associations ($P < .001$) of independent variables with the total score of PIDAQ ($R^2 = 0.29$) and dental self-confidence ($R^2 = 0.30$), social impact ($R^2 = 0.14$), psychological impact ($R^2 = 0.23$), and esthetic concern ($R^2 = 0.13$).

Conclusion: The hypothesis is rejected. A broad range of adolescents' self-perceived impact of dental esthetics is influenced by severity of malocclusion, oral health-related quality of life, and body satisfaction.

Keywords: [Dental esthetics](#), [Malocclusion](#), [Adolescents](#)

Accepted: February 2009;

^a Graduate student, School of Dentistry, Federal University of Goiás, Goiás, Brazil^b Adjunct Professor, Department of Prevention and Oral Rehabilitation, School of Dentistry, Federal University of Goiás, Goiás, BrazilCorresponding author: Cláudio R. Leles, Universidade Federal de Goiás, Faculdade de Odontologia, Primeira Avenida, número 1964, Setor Universitário, Goiânia, Goiás Brasil CEP 74.605-220 (crleles@odonto.ufg.br)

[Current Issue](#)
[Available Issues](#)


Journal Information

ISSN: 0003-3219

Frequency: Bimonthly

Register for a Profile

Not Yet [Registered?](#)

Benefits of Registration Include:

- A Unique User Profile that will allow you to manage your current subscriptions (including online access)
- The ability to create favorites lists down to the article level
- The ability to customize email alerts to receive specific notifications about the topics you care most about and special offers

[Register Now!](#)

Related Articles


Articles Citing this Article

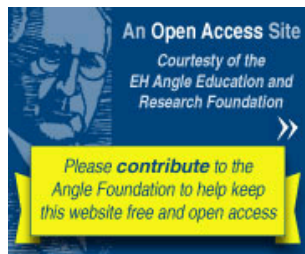
[Google Scholar](#)

Search for Other Articles By Author

- ☞ Delcídes F. de Paula, Júnior
- ☞ Nádia C. M. Santos
- ☞ Érica T. da Silva
- ☞ Mariade Fátima Nunes
- ☞ Cláudio R. Leles

Search in:

 Angle Online



top ▲