

PATIENTS SATISFACTION WITH DENTAL APPEARANCE AND THEIR DESIRED TREATMENT TO IMPROVE AESTHETICS

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Abstract: Aesthetic appeals of the orofacial region are crucial elements of human life. They might affect the quality of a patient's life. Among the most crucial objectives of dental care is assisting patients in their efforts to reach an acceptable level of satisfaction with their mouth and dentition. The primary goal is to determine participants' complete satisfaction with appearance and the preferred treatment to improve aesthetics.

Keywords: Patients Satisfaction, Orofacial region, Aesthetics.

1. INTRODUCTION

Esthetics in dentistry aims to create beauty and attraction, to elevate the self-esteem and to make patients satisfied with an important, expressive and socially valued part [2].

The esthetic dentistry would act on the establishment of an esthetically pleasant smile, with positive and attractive characteristics. For that goal to be successfully achieved, the esthetic issues of the dental treatment must be recognize and treatment plan must be considered [7].

Significant factors affecting overall dental appearance are tooth color, shape, and position; quality of restoration; and the general arrangement of the dentition, especially of the anterior teeth [8]. Furthermore, an aesthetically pleasing smile was found to depend on upper lip position, visibility of teeth and amount of gingival display. Although each factor may be considered individually, all components must act together to create a harmonic and symmetric entity that produces the final aesthetic effect [9].

These factors are affected by individual preferences, cultural factors and sociodemographic factors [8, 9]. This fact leads to changes in patients' esthetic needs and consequence of dental treatment priority. Alternatively, untreated dental caries, non-aesthetic or discolored anterior teeth restorations and missing anterior teeth usually lead to dissatisfaction with dental appearance [10].

Currently, cosmetic dentistry has become an important aspect of dentistry. Tooth whitening treatments, anterior teeth restoration, labial veneers crowns, and orthodontic treatment are frequently demanded by patients who interested in improving their dental appearance [10]. We have assessed satisfaction with dental appearance, desired treatments to improve dental appearance, and factors that influence satisfaction with dental appearance among adult patients who attended the dental clinic at the Collage of Dentistry Qassim University in Saudi Arabia.

2. MATERIAL AND METHODS

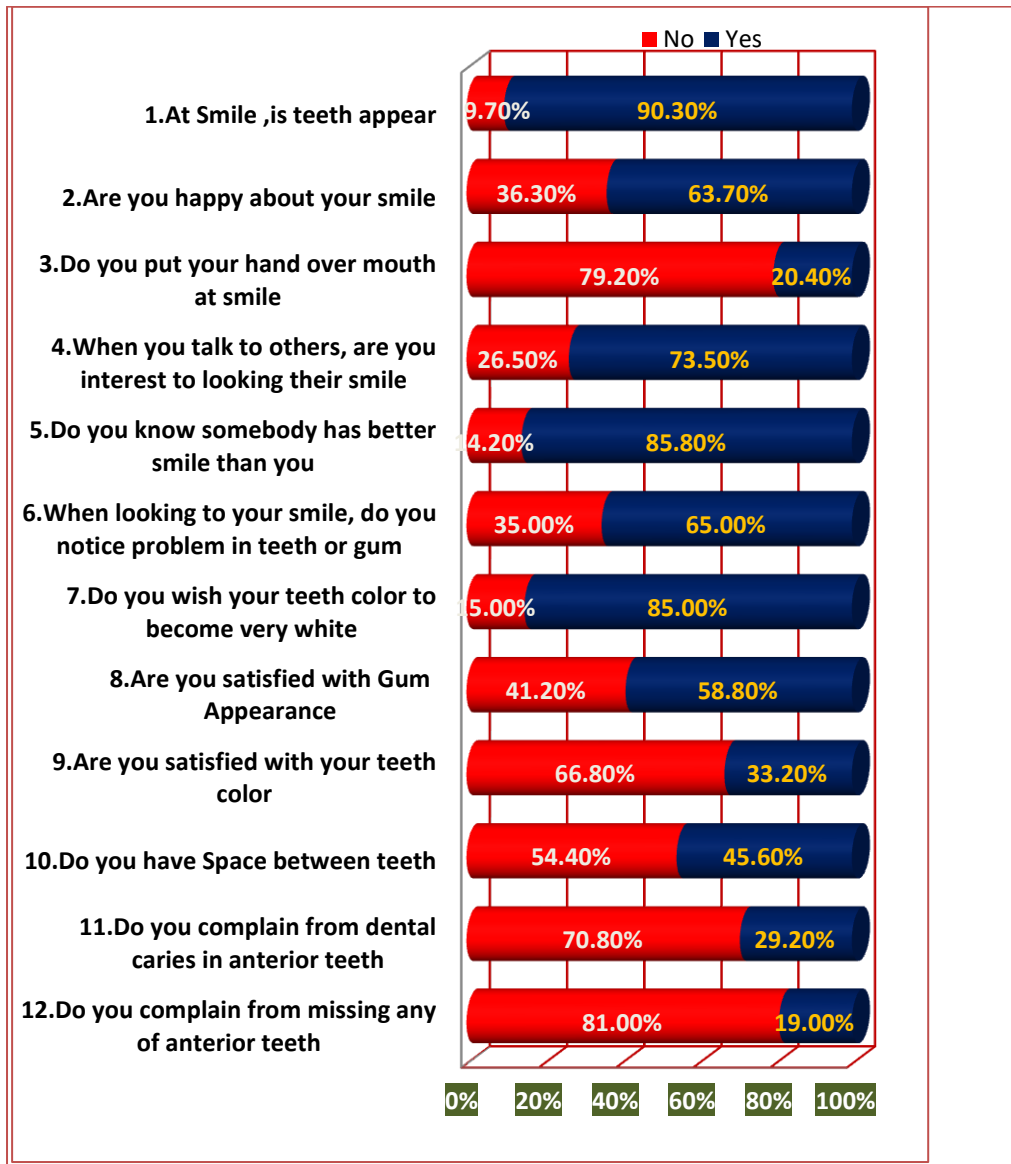
A total of 254 Questioners were distributing for patients attending the Dental Clinics of Collage of Dentistry at Qassim University in Saudi Arabia .Number of 28 Questioners was rejected from this study because it's not fully completed by participants, so number of 226 Questioners self reported was included in this study. The participants consisted of 187 males and 38 females with age starting from 18 and dividing to four age groups [(18-21),(22-25),(26-30),(More than 30)]. The study was approved by Dental Research Center, Collage of Dentistry, Qassim University.

The participants were surveyed with a questionnaire containing questions about Gender, Age, Frequency of tooth brushing per day. The questionnaire include items self-reported Factors affecting smile, satisfaction about Tooth appearance, tooth color. It include also Basic treatment desired to improve dental appearance, Table 1.

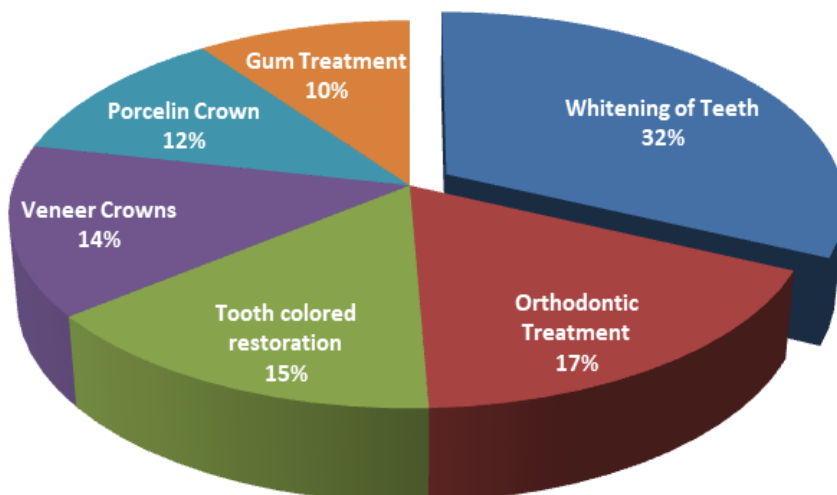
The data were analyzed using the SPSS computer software (Statistical Package for the Social Sciences, version 20). Statistical analyses of the verifying data were made with descriptive statistics, Chi-square test and multivariate logistic regression analyses.

Survey on patient satisfaction with dental appearance and desired treatment to improve aesthetics						
1. Sex <input type="checkbox"/> Male <input type="checkbox"/> Female						
2. Age: A. 18 – 21 B. 22 – 25 C. 26 – 30 D. Bigger Than 30						
					Yes	No
1. At Smile, is teeth appear						
2. Are you happy about your smile						
3. Do you put your hand over mouth at smile						
4. When you talk to others, are you interest to looking their smile						
5. Do you know somebody has better smile than you						
6. When looking to your smile, do you notice problem in teeth or gum						
7. Do you wish your teeth color to become very white						
8. Are you satisfied with Gum Appearance						
9. Are you satisfied with your teeth color						
10. Do you have Space between teeth						
11. Do you complain from dental caries in anterior teeth						
12. Do you complain from missing any of anterior teeth						
The Right Treatment for your Teeth/Smile to improve esthetic						
Right Treatment	Tooth colored restoration	Veneer Crowns	Porcelain crown	Whitening of Teeth	Orthodontic treatment	Gum Treatment
Yes						
No						

3. RESULTS



Most Desired Basic Treatment to Improve Dental Esthetic Selected by Patients



No significant difference was found between males and females who were dissatisfied with the color of their teeth, Tooth appearance, thinking that their teeth were Spaced, hiding their teeth while smiling, complained from dental caries in anterior teeth, complained from missing any of anterior teeth, were wishing teeth color to become very white . ($P>0.05$).

No significant difference was found between different age groups and dissatisfied with the color of their teeth, Tooth appearance, thinking that their teeth were Spaced, hiding their teeth while smiling, complained from dental caries in anterior teeth, complained from missing any of anterior teeth, were wishing teeth color to become very white .

A significant difference was present between frequency of tooth brushing per day and complain from dental caries in anterior teeth while no significant difference was found between frequency of tooth brushing per day and dissatisfied with the color of their teeth, Tooth appearance, thinking that their teeth were Spaced, hiding their teeth while smiling, complained from missing any of anterior teeth, wishing teeth color to become very white.

According to multivariate logistic regression analysis, only age had an impact on desiring Orthodontic treatment, Porcelain crown and Gum treatment, while gender and frequency of tooth brushing had no impact.

4. DISCUSSION

This study report satisfaction with dental appearance, teeth color and desire for treatment to improve dental appearance. Our results revealed that 63.7% of participants satisfied with appearance of their teeth. Different populations in previous studies showed different levels of satisfaction , for example 50% of participants in a study conducted in Al Jouf University students in KSA[15], 47.2% in Malaysia[14] , 57.3% in Turkey[5] , 65% in Palestine[16] , 65.5% in Jordan[12] , and 76% in UK[13]. Assuming this variations in satisfaction levels may relate to some factors as different in measurement to evaluate satisfaction, cultural factors ,religion and racial factors.

66.8% of the participants were dissatisfied with the color of their teeth. Same value was reported in the study conducted in Al Jouf University students[15]. Furthermore different values was reported in previous studies for example, 55.1% of participants were dissatisfied with their teeth color in Turkey[5], 52.6% in China[17] and 31.6% in North America[18].

The most desired basic treatment for improvement of dental esthetics was found to be whitening of teeth. This could be figure out the fact that most participants not satisfied with tooth colour. It is the same most desired treatment was reported in previous studies[5, 14, 15].

5. CONCLUSION

The participants attending Dental Clinics of Qassim university satisfied with dental appearance was 63.7% but 66.8% were not satisfied with tooth colour. Also the most desired basic treatment to improve esthetics was reported in this study is teeth whitening, orthodontic treatment ,tooth colored restoration, Veneer/porcelain crowns and Gum.

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