

# A Survey on the Denture Esthetics and the Denture Base Characterization - Questionnaire Based Study

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### INTRODUCTION :

A pleasant smile is an expression of joy. Achieving a healthy looking smile for a patient, through the reconstruction of missing teeth and the surrounding soft tissues using esthetic prosthetic materials is most important [1].

In our image conscious society, dentures restore a natural appearance leading to increased patient confidence and ease in social interaction [2]. Esthetics plays a vital role in rehabilitation of complete dentures to achieve a pleasant smile. "DENTURE ESTHETICS" is defined as the cosmetic effect produced by a dental prosthesis which affects the desirable beauty, attractiveness, character and dignity of the individual [3].

In the era of implants and ceramics, the conventional denture needs to be updated. Denture characterization is must in avoiding denture look and giving natural look [4]. Characterization of an artificial denture is required to give the denture a more natural appearance. According to the glossary of prosthodontics terms "Denture characterization is modification of the form and colour of the denture base and teeth to produce a more lifelike appearance." [5]

Characterized dentures play a vital role in improving one's confidence and there by allowing them to smile freely [4]. Hence denture base characterization is one of the most important and effective ways for more real and highly individualized prosthesis. Henceforth this study investigates the patients concern about the denture esthetics and appearance.

### MATERIALS AND METHODS :

**Research design :** Descriptive in nature

**Sampling technique :** Stratified random sampling

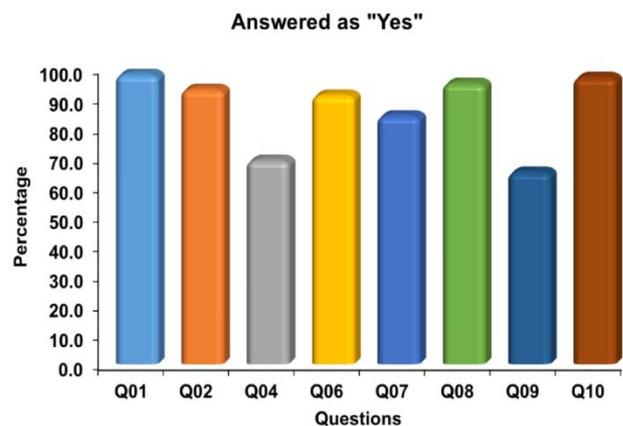
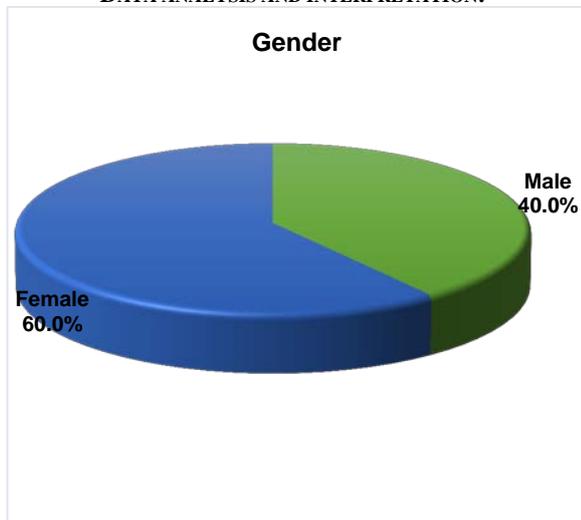
**Data collective instrument :** Questionnaire

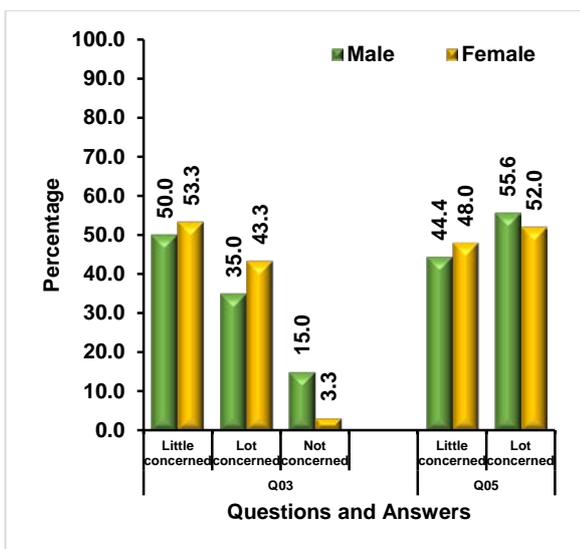
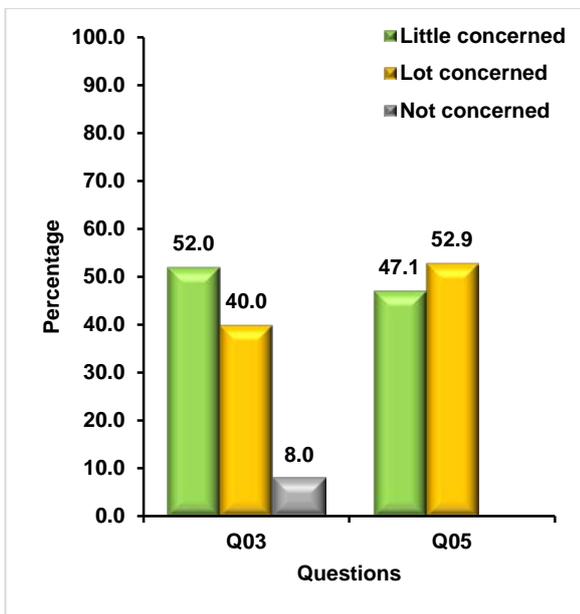
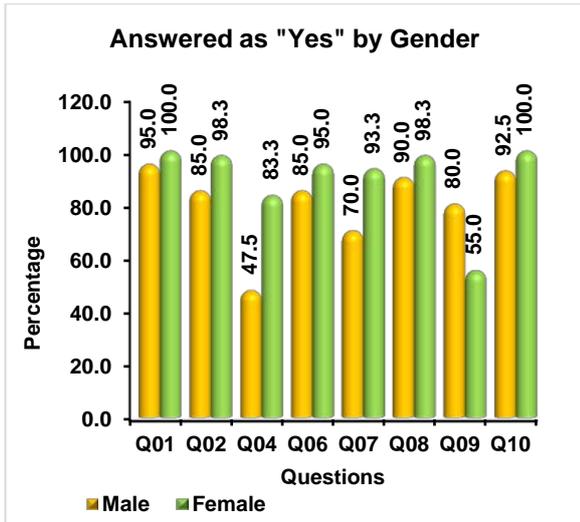
**Sample size :** 100 denture wearers were chosen among which 60 were female and remaining were male and a questionnaire including 10 questions were surveyed and the results are obtained.

**Method :** The questionnaire questioned patients concern on esthetics and denture appearance and whether they want to apply characterization or not.

Questions	Answers	N	%
	Q01. Are you concerned about your aesthetics in dentures	Yes	98
	No	2	2.0
	Total	100	100.0
Q02. Do you care about your denture base appearance	Yes	92	92.0
	No	8	8.0
	Total	100	100.0
Q03. How much are you concerned about your denture base appearance	Little concerned	52	52.0
	Lot concerned	40	40.0
	Not concerned	8	8.0
	Total	100	100.0
Q04. Are you concerned about your denture gum appearance	Yes	68	68.0
	No	32	32.0
	Total	100	100.0
Q05. If yes, how much are you concerned	Little concerned	32	47.1
	Lot concerned	36	52.9
	Total	68	100.0
Q06. Is denture base characterization important for you	Yes	91	91.0
	No	9	9.0
	Total	100	100.0
Q07. Do you want to apply characterization to your denture base	Yes	84	84.0
	No	16	16.0
	Total	100	100.0
Q08. Does denture base characterization and denture base appearance improve your confidence	Yes	95	95.0
	No	5	5.0
	Total	100	100.0
Q09. Does denture base without characterization allow you to smile freely without thinking of prosthesis	Yes	65	65.0
	No	35	35.0
	Total	100	100.0
Q10. Are you satisfied with the denture aesthetics	Yes	97	97.0
	No	3	3.0
	Total	100	100.0

### DATA ANALYSIS AND INTERPRETATION:





**DISCUSSION:**

The study on the denture esthetics and denture base characterization was surveyed among the removable denture wearers. Total number of 100 patients whose mean age was 68.5 years participated in this survey.

The results obtained are as follows :

-98% of the patients are concerned about the esthetics in denture while only 2% are not concerned.

-It is found that 92 % of people care about their denture base appearance

- [ 40 % - lot concerned
- 52% - little concerned
- 8% - not concerned]

-On the other hand there are 68% patients who care about their denture gum appearance among which 52.9% are lot concerned while the remaining are little concerned.

-91% patients think characterization is important in which 84% of them want to apply characterization to their denture base.

-95% patients agreed that both the denture base appearance and denture base characterization improves their confidence.

-More than half of the patients agree with the fact that they are able to smile freely even without characterization.

**CONCLUSION :**

Complete denture fabrication not only replaces the missing teeth but also restores the esthetics, phonetics and function. Characterization of the complete dentures is necessary to give the dentures a life like appearance, to make it appear more natural [6]. It plays a vital role in improving one's confidence and there by allowing them to smile freely.

This review evaluates the patients needs for denture esthetics and denture base characterization and find out how much they are concerned about the denture appearance as well as the denture gum appearance.

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