

Awareness of Dental Implant on General Population

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Abstract

Aim:

A survey was set out to evaluate the knowledge of patients about dental implant , and assess their awareness of implant-retained prosthesis as an option of tooth replacement in local population

Background:

A dental implant is a surgical component that interfaces with the bone of the jaw or skull to support a dental prosthesis such as a crown, bridge, denture, facial prosthesis or to act as an orthodontic anchor.This study is done to bring awareness on dental implant in local population.

Reason:

Since implant is the future in replacement of the missing tooth .This study is done to create awareness and to assess the level of awareness about dental implants among general population

INTRODUCTION:

Face is said as a reference of their own "self" and a smile is a mirror of humans personality. So to justify the above statement teeth plays an important role. Teeth plays a vital roles in assisting once positive self-image and self confidence and losing of teeth may cause various discomfort both physically and mentally. Lose of teeth may be upsetting and traumatic and it cause a very serious psychological and social readjustment^[1-4].

Generally the missing teeth are replaced by fixed partial dentures, removable partial dentures (bridges) and complete dentures in cases of edentulousness. The need to replace lost teeth with a near-natural successor has encouraged rapid research and advancement in the field of dental implants, especially in advanced economies^[5].

Dental implants are is a surgical component that interfaces with the bone of the skull or jaw to support a dental prosthesis such as a bridge, facial prosthesis, dentures, crown, facial or to act as an orthodontic anchor.

Now a days aesthetic dentistry is growing. People are very concerned about their beauty. Now a days people follow advance technology in medical field . Dental implants plays a vital role . It is very necessary to know about the awareness , attitude and knowledge about dental implant in local population like developing cities like chennai

This study is mainly based on the awareness of dental implants among local populations. This study is done to evaluate the knowledge and attitude of people toward dental implants.

MATERIALS AND METHODS:

A survey was done both by printing and by online survey. A generalised questioner was prepared. The questioner contain about 10 general items. It include demographic data , attitude of subject towards dental implants , their source by which they came to know, the need for dental implant and many such things.

The survey is mainly done in private clinics and dental hospitals were out patients are quite large in number. The approval of grant is obtained by the concerned private

sector and the study was done. Totally 110 questioners were given to the participants and about 104 filled the questioners properly at a percent of 94.5(94.5%). The participants who doesn't completed the questioner were excluded from the study.

About 62 male (59.6%) and 42 female(40.3%) participated in the study. The age limit is set as above 18 since they are matured and have some knowledge about dental implants. The questions in the study is throughly explained to the participants and the study was done .

The datas collected by the study are as follows

Table1:Demographic data

	Frequency	Percentage
Male	62	59.6
Female	42	40.3

Table2:Dental visit (n=104)

	Frequency	Percentage
Yes	80	76.9
No	24	23

Table3:Knowledge about dental implants (n=104)

	Frequency	Percentage
Yes	78	75
No	26	25

Table4:Aware about dental implant (n=104)

	Frequency	Percentage
Yes	60	57.6
No	44	42.3

Table5:Source of knowledge (n=104)

	Frequency	Percentage
Social media	24	23.07
Family	28	26.9
Dentist	44	42.3
Society	8	7.6

Table6:Have undergone dental implants (n=104)

	Frequency	Percentage
Yes	54	51.9
No	50	48

Table7:Family members undergone dental implants (n=104)

	Frequency	Percentage
Yes	60	57.7
No	44	42.3

Table8:Dental implants are safe (n=104)

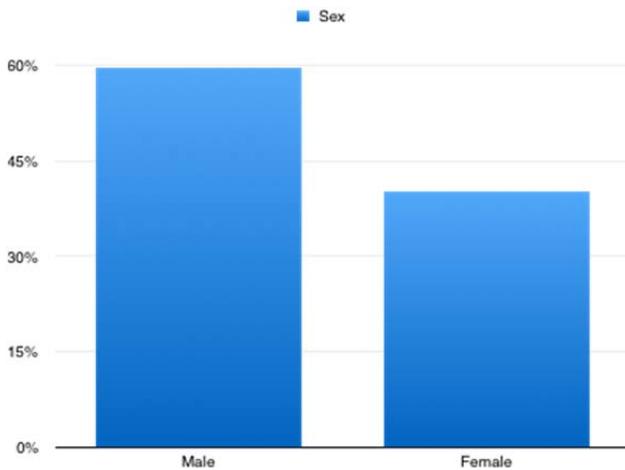
	Frequency	Percentage
Yes	66	63.5
No	26	25
Not clear	12	11.5

Table9:Materials used in dental implants (n=104)

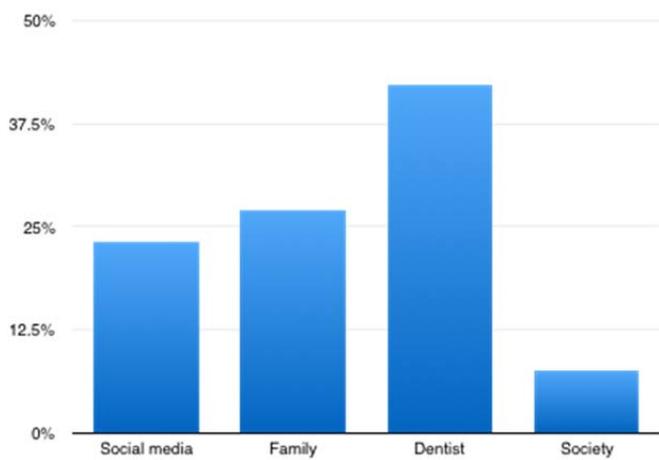
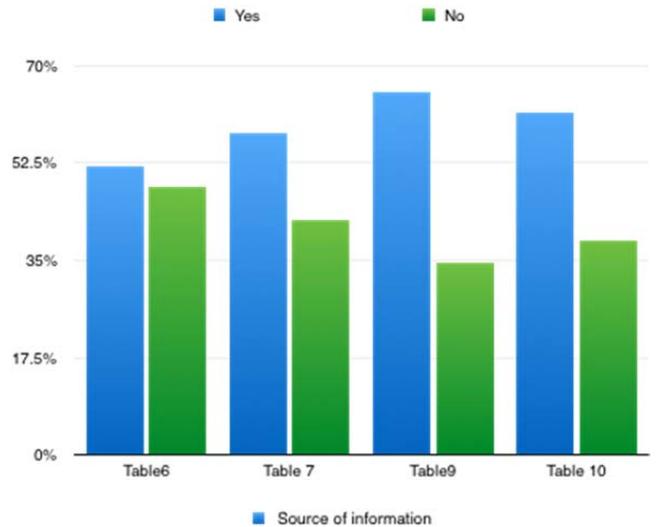
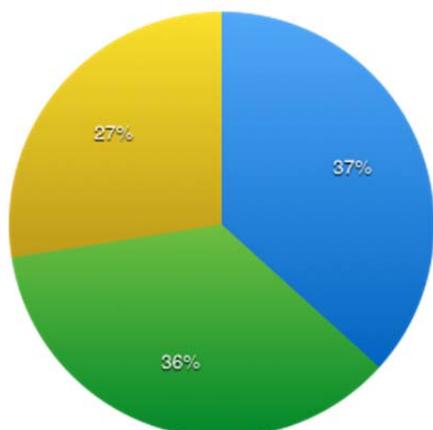
	Frequency	Percentage
Yes	68	65.3
No	36	34.6

Table10:Reason know for placing implants (n=104)

	Frequency	Percentage
Yes	64	61.5
No	40	38.5



Legend for Pie Chart: Dental visit (Blue), Knowledge about dental implants (Green), Aware about dental implants (Yellow)



RESULT:

The results of the survey are collected. The collected data are analysed and are tabulated. The results are tabulated in pie charts and bar graphs.

DISCUSSION:

The results are further discussed. 104 questionnaires were collected out of which 62 males and 42 females were responded with a percentage of 59.6% and 40.3%.

The participants visit a dentist at least once by around 76.9% which is pretty much high in developing cities where the previous study says only 69.4% had visited a dentist before. While the knowledge about dental implants about 75% of them have an idea about it. Remaining 25% are unknown about the dental implants. This related to the dental visit as most of the participants who visited a dentist has come to know about the dental implant. Out of 75% of people who have known about dental implants only 57.6% are aware of the procedure of the dental implants. The rest 42.3% are not aware of dental implants.

The results of the present study were significantly different from the results reported by Zimmer et al., Berge10 and Tepper et al. which reported high level of awareness as 77%, 70.1% and 72%, respectively.^[6-8]

The participants came to know about implants by social media 23.07% , family by 26.9% , and the most by their

dentist which is about 42.3% and by environment such as schools,colleges by around 7.6% . The source about the dental implant is mostly by the dentist in which other study says about 40%^[9]which is similar to our study .

About 51.9% have undergone dental implants and 48 have not undergone dental implants. While the family members ,friends of the participants have undergone implant about 57.7% which is quite high and the rest 42.3% have no idea about the implant.while discussing about the safety of the dental implants 63.5% of them found safe and 25% of them answered as unsafe and 11.5% have no idea about the the implant procedures and consequently about the implant.

About 65.3% of the participants knows about the materials used in the implant were 34.6% are unknown. While 61.5% knows the reason for the placement of implant and remains 38.5% are unknown.

CONCLUSION :

Bearing our study the survey seats that awareness on dental implants is quite low in chennai's local population when compared to other developing cities. Dentist plays a major role in the source of dental implant to the participants. Only few accepts dental implant as a measure to replace the missing teeth. Therefore more awareness should be brought to the public by various government organisation and other organisations. The dentist as a professional has the foremost role to play in this regard, and this can be achieved by executing patient education programmes and counselling centres on dental implant usage and advantages in order to concoct a patient's mind.

REFERENCE:

1. Shigli K, Hebbal M, Angadi GS. Attitudes towards replacement of teeth among patients at the institute of dental sciences, Belgaum, India. *J Dent Educ.* 2007;71:1467–75. [PubMed]
2. Roessler DM. Complete denture success for patients and dentists. *Int Dent J.* 2003;53(Suppl 5):340–5. [PubMed]
3. Omar R, Tashkandi E, Abduljabbar T, Abdullah MA, Akeel RF. Sentiments expressed in relation to tooth loss: A qualitative study among edentulous Saudis. *Int J Prosthodont.* 2003;16:515–20. [PubMed]
4. Fiske J, Davis DM, Frances C, Gelbier S. The emotional effects of tooth loss in edentulous people. *Br Dent J.* 1998;184:90–3. discussion 79. [PubMed]
5. Olaide Shakeerah Gbadebo, Folake Barakat Lawal,1 Amidu Omotayo Sulaiman, and Deborah Mojirade Ajayi,Dental implant as an option for tooth replacement: The awareness of patients at a tertiary hospital in a developing country [pubmed]
6. Zimmer CM, Zimmer WM, Williams J, Liesener J. Public awareness and acceptance of dental implants. *Int J Oral Maxillofac Implants.* 1992;7:228–232.[PubMed]
7. Berge TI. Public awareness, information sources and evaluation of oral implant treatment in Norway. *Clin Oral Implants Res.* 2000;11:401–408. [PubMed]
8. Tepper G, Haas R, Mailath G, Teller C, Zechner W, Watzak G, Watzek G. Representative marketing-oriented study on implants in the Austrian population. I. Level of information, sources of information and need for patient information. *Clin Oral Implants Res.* 2003;14:621–633. [PubMed]
9. Ceyda Özçakır Tomruk,1 Zeynep Özkurt-Kayahan,Kemal Şençift1, Patients' knowledge and awareness of dental implants in a Turkish subpopulation