Knowledge, Attitude, Awareness and Perception of Dental Implants among Undergraduate Dental Students

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Abstract:- The main aim of the study is to evaluate and assess the knowledge ,awareness and exposure about dental implants among undergraduate dental students. In current generation, implants are more aware to the patients , as the exposure and knowledge is demand in higher level competence for dental students . The materials and methods were, the study was a cross sectional which was conducted among the students of Thai moogambigai dental college , Mogappair west ,Chennai. An total survey of 100 samples of undergraduate dental students was taken .An Questionnaire was set up which has 25 questions regarding dental implants. To show and exhibit the amount of percentage and level of exposure among dental students . The response is obtained from the students in terms of numbers and percentage. The results of this study shows the lack of awareness among undergraduate dental students. Moreover there is a insufficiency or inadequate in promoting knowledge. The results of the study suggested that more abundant supply of knowledge should be promoted to dental students , due to lack of knowledge and exposure among dental students.

Keywords:- Esthetics, Speech, Dental Implants.

I. INTRODUCTION

Dental implants are evolved as mainstream of replacement of missing tooth . The main factor of replacement of teeth to maintain normal function, speech , Esthetic of the patient . Few decades later, treatment plan for missing teeth has changed more folds ,implants played a vital successive role of treatment among partial or completely edentulous patients. Improvement and quality of life of patients had generally brought about by dental implants. Dental implants has mainly two phases; a surgical phase and a prosthodontic phase . For many years , there were only ways to replace the crown but not the root but root replacement is now a possibility. Endo oseous dental implants are as alternative. Tooth roots and implant-supported prostheses are considered the best substitute for missing teeth. Since these undergraduate dental students will be future dentists, they should have thorough knowledge about latest technologies in dentistry as implant treatment. The basic knowledge among undergraduate dental students regarding dental implants is still quite insufficient ,other than clinical practitioners. This study was conducted to determine the level of knowledge and awareness about dental implants among undergraduate students. Moreover, all the undergraduate dental students require basic knowledge about dental implant prosthesis. To improve knowledge , they should educate very well during academic classes.

II. MATERIALS AND METHODS

The study is a cross sectional one . A total of 100 UG students of age 20 to 23 were selected from Thai moogambigai dental college and hospital, which is located on mogappair west , Chennai. The study is based on dental implants questionnaire of 25 questions which is taken survey equally by Final year students , Third year students and interns ,in order to show the wide discrepancy and less exposure of study regarding implants . An total of 25 questions asked and results are collected from the data of 100 students. Subjects were briefed about the study and consent to us obtained from them. Ethical committee approval was obtained from the university.
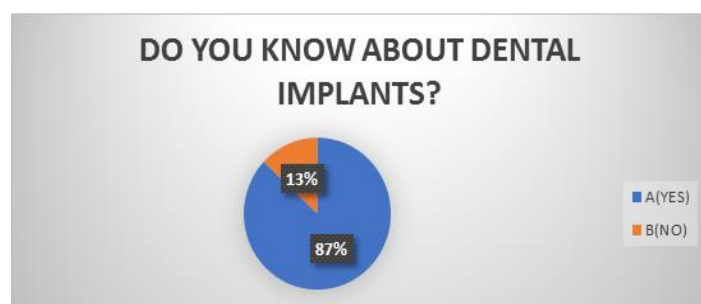
III. RESULTS

➢ *Chart 1:*

Fig 1

87% of students responded that they were aware about dental implants and 13% they were not not aware.of that dental implants.
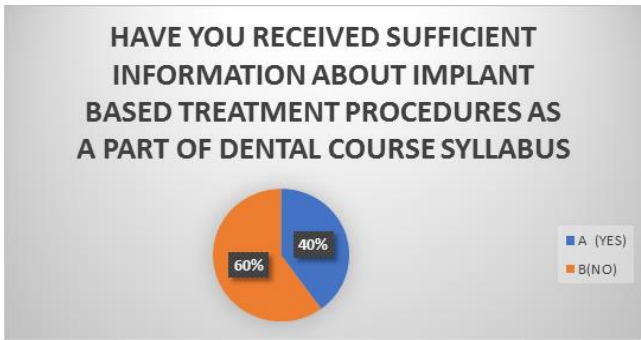
➤ *Chart 2:*

Fig 2

60% of students responded that they receive sufficient information, while 13% of students responded insufficient knowledge.
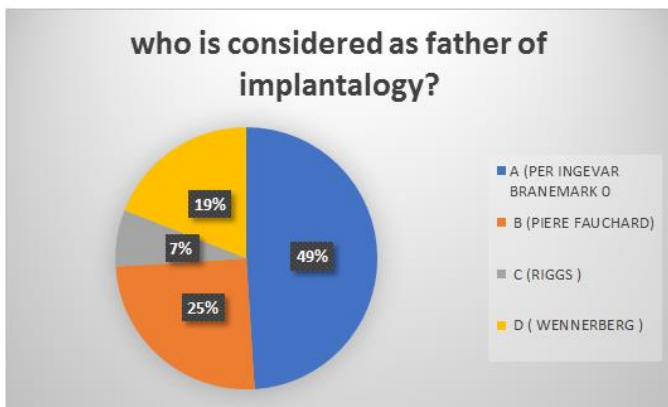
➤ *Chart 3*

Fig 3

Here the correct answer is option A (per ingevar branemark). He is the father of implantalogy .only 19% answered correctly.
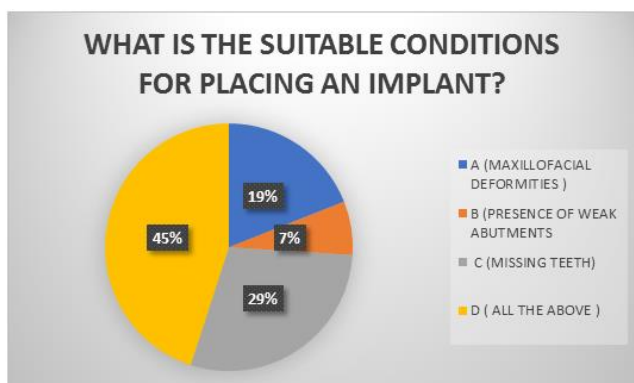.

➤ *Chart 4:*

Fig 4

The correct answer for this is all the above . only 45% of students answered correctly.
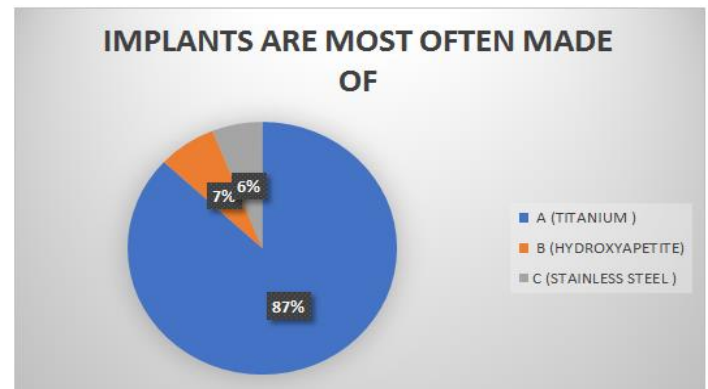
➤ *Chart 5:*

Fig 5

The correct answer for this is option A TITANIUM . 87% answered correctly.
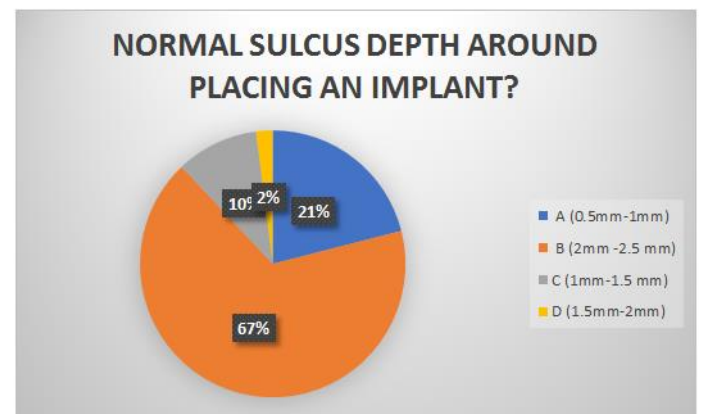
➤ *Chart 6:*

Fig 6

The answer is option c 1mm-1.5mm. only 10% have answered correctly.90% answered wrongly.
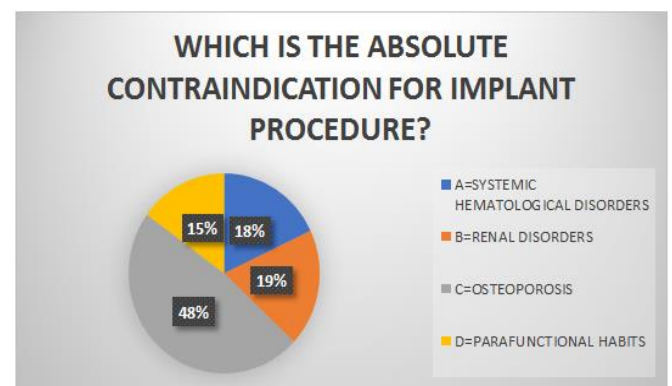
➤ *Chart 7:*

Fig 7

The answer for this question is option D parafunctional habits.only 15% have answered correctly.85% have answered wrong.
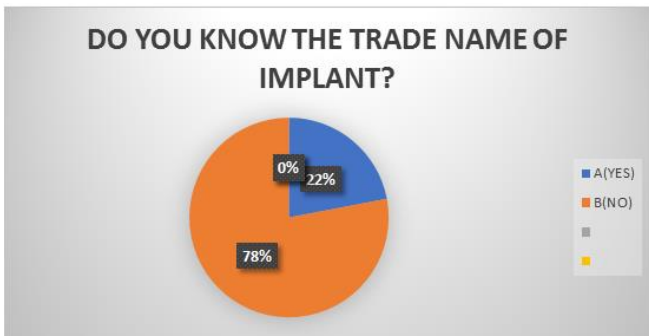
➢ *Chart 8:*

Fig 8

Here 78% have known the trade name of implant. 22% doesn't know the trade name of implant.
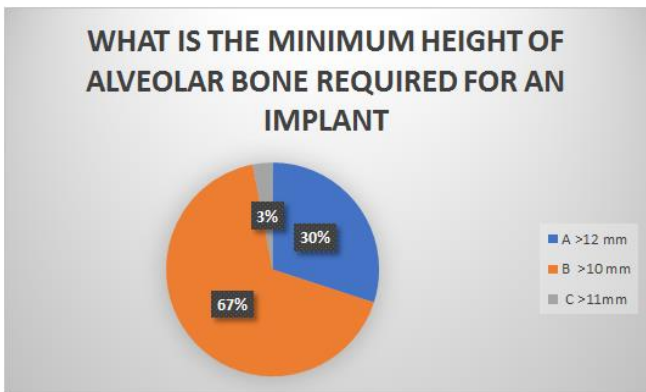
➢ *Chart 9:*

Fig 9

The answer for this question is >12 mm .only 30% have answered correctly.
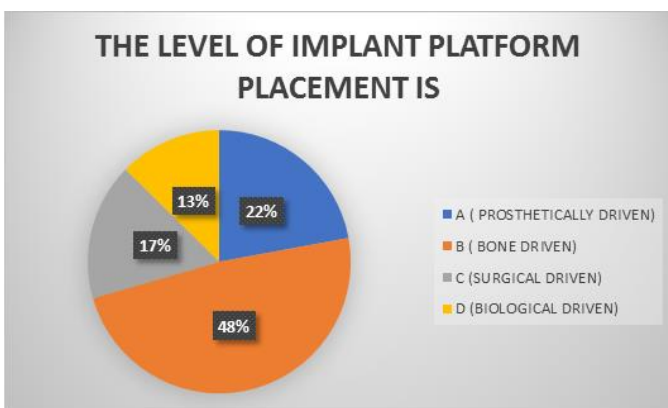
➢ *Chart 10 :*

Fig 10

The answer is option A ,prosthetically driven . only 22 % have answered correctly .78% have answered wrong.
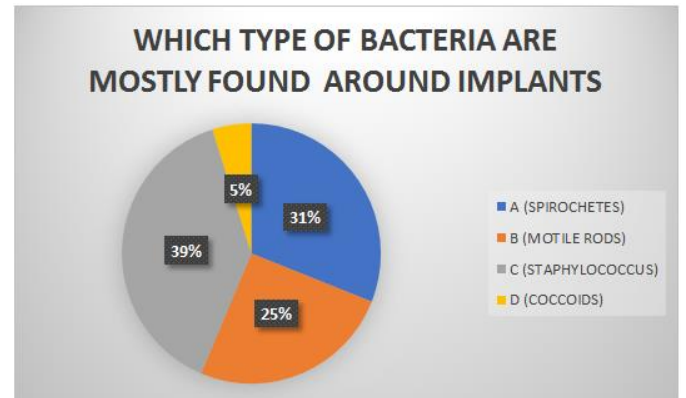
➢ *Chart 11:*

Fig 11

The answer is spirochetes option A .only 31% have answered correctly . 69% have answered wrong.
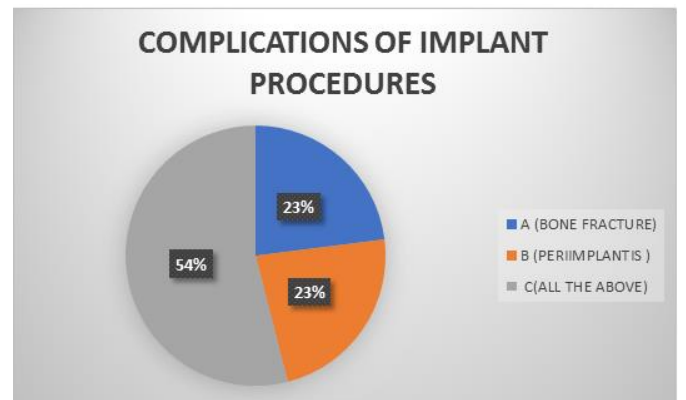
➢ *Chart 12;*

Fig 12

The answer is C ,all the above. 54% have answered correctly. 46% have answered wrongly.
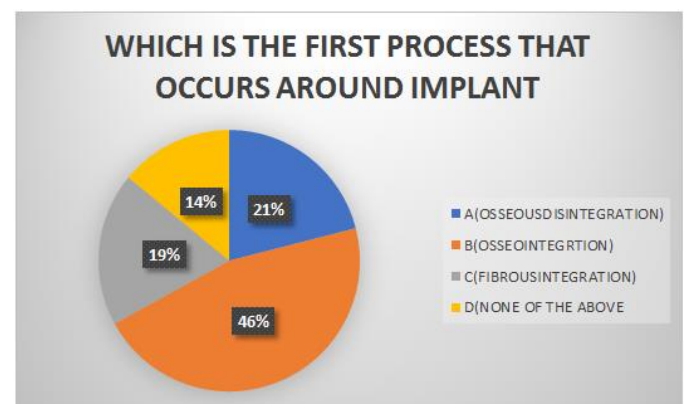
➢ *Chart 13;*

Fig 13

The answer is osseointegration . 19% have answered correctly .81% have answered wrong.
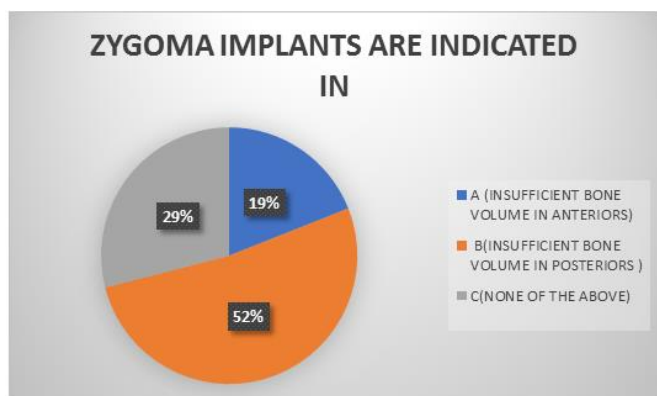
> *Chart 14 :*

Fig 14

The answer is option b ,insufficient bone volume in posterior . only 52% have answered correctly . 48% have answered wrong.

IV. DISCUSSION

The current study was to sought the knowledge about dental implants among UG students . An overall knowledge is average while comparing other various topics . That means the level of knowledge among UG students is inadequate . the UG students had knowledge on Basic but they are inadequate or insufficient knowledge on other aspects .Moreover dental faculties should promote more CDE programs and more hands on courses to improve their clinical exposure . An average of 45% knows correct answer , remaining 55% have answered wrong .In modern world , implants plays an effective role .This is very essential for dental students and practitioners . More number of lecture should be conducted by the faculty . Dental council should also implement implants as quota in dental curriculum for UG students. The UG students should be educated more and should enhance their knowledge without which they cannot be good practitioners .This may be an obstacle for neet preparations and attending more number of government exams. Upcoming years ,the level of competence will increase, and also need for more awareness .so dental faculty should resolve this insufficient knowledge through promoting education since there to wide discrepancy in teaching methodology.

V. CONCLUSION

Hereby we concluded that maximum of 60% of UG students doesn't require adequate knowledge about implants , Which is quite not good enough .This will impact on practitioners for future clinical practices .so dental council must promote or propogate ideas to upgrade the students knowledge and teaching methods. Main idea is to conducting more CDE programs ,and make quota in dental curriculum . Thus these are ideas which we can execute and promote good adequate certain knowledge to students .

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