

Evaluation of Knowledge and Need of Esthetic Restorative Services Among Dental Interns.

DR. RAJIV BHOLA

Senior lecturer, Department of Prosthodontics, Sharad Pawar Dental College, Datta Meghe Institute of Medical Sciences, Sawangi (M), Wardha; Email I.D : rinkujii7@gmail.com

Abstract: *Introduction: Esthetics has become as important as function, structure and biology, until about the last two decades, in dental practice as current advertising and the media in general emphasize the effect of a pleasant appearance because of its importance in many everyday situations. This fact leads to changes in patients' esthetic needs and consequence of dental treatment priority. Aim : To evaluate knowledge and need of esthetic restorative services among dental interns. Material and method: Total 100 dental interns will be selected for Sharad Pawar Dental College. A convenience sampling method is used. Interns will be given questionnaire consisting of 20 questions. Questionnaire will be subdivided in two parts, one part consisting of question related to knowledge of esthetic restorative services and second part will include question related to need for esthetic restorative services. Analysis will be done using Chi square test. Conclusion : This analysis will helps us to evaluate the knowledge of esthetic among dental interns and it will also help us to know the need of esthetic restorative services among dental interns. Expected results: The results will show that the knowledge of dental esthetic among dental interns will not be fully satisfactory ,there will be variation in the level of knowledge of dental esthetic and there will be a need in the improvement of the knowledge and need of dental esthetics.*

Keywords: *esthetic ,convenience sampling, need and knowledge, dental interns*

Introduction

Esthetics has become as important as function, structure and biology, until about the last two decades, in dental practice as current advertising and the media in general emphasize the effect of a pleasant appearance because of its importance in many everyday situations. This fact leads to changes in patients' esthetic needs and consequence of dental treatment priority.

Goldstein¹ in his study observed that the physical, social, and psychological aspects play a vital role in a person's life. Majority are undergoing orthodontic treatment to enhance their smile and facial appearance. In our modern competitive society, a pleasing appearance often means the difference between success and failure in both our personal and professional lives. There is globalization and modernization in the growing population in the world. Men and women are very conscious about their appearance. The present generation is giving importance to their esthetics in every aspect to improve their personality. Due to the advancement in dentistry, people are eager to know about how the dentistry would help in enhancing their smiles. Esthetic or cosmetic dentistry strives to merge beauty and function with the values and individual

needs of every patient. McGrath ² shows evaluation of a new measure for measuring oral health related quality of life.

Among the facial features that have an important impact on the attractiveness of the smile are facial height, shape, and profile, and particularly, the inter-pupillary plane^{4,5} To preach what we practice is the essence of dental teaching hence in order to know how to handle a patient . As today's students has access to the knowledge about subject by various means eg. Internet and can formulate the ideas of their own, so we need to know the knowledge among students so that we can train them in their field of lacunae. The following survey is an analysis to know about the dental esthetic awareness among dental students in a private university which has dental faculties. Hence, this study aims to access about the dental esthetics awareness among 100 dental interns in Sharad Pawar Dental College.

Rationale :

- With the advancement of the technology, many esthetic restorative services has improvement in the treatment outcome in the patient requiring esthetic correction.
- Basis of dental esthetic is only overviewed during course of dental study.
- To preach what we practice is essence of what we acquire knowledge during dental learning.
- So detailed knowledge of esthetic restorative services should be assess among dental students
- Also it is important to assess need of esthetic restorative services among dental students .
- So, this study will surely help to include the knowledge of esthetic restorative services during the course of teaching to dental students to train them in their field of lacunae

Objective :

- To Assess knowledge of esthetic restorative services among dental students
- To Assess need of esthetic restorative services among dental students

Methods

Total 100 dental interns will be selected for Sharad Pawar Dental College. A convenience sampling method is used. Interns will be given questionnaire consisting of 20 questions. Questionnaire will be subdivided in two parts, one part consisting of question related to knowledge of esthetic restorative services and second part will include question related to need for esthetic restorative services. Analysis will be done using Chi square test.

Study design:

- It is an observational type of study

Setting :

Study will be conducted in Sharad Pawar Dental College, D.M.I.M.S, among dental interns. Interns will be given questionnaire consisting of 20 questions. After collection of data analysis will be done.

Participants:

➤ **Eligibility criteria**

INCLUSION CRITERIA

- Participants will be dental interns
- Participants will be selected from SPDC

EXCLUSION CRITERIA

- Participants not willing for study
- **Method of selection of participants:**
 - A convenience sampling method is used.

Variables :

Expected outcome:

- Percentage of interns requiring need of esthetic restorative services
- Knowledge of esthetic among dental interns

Diagnostic criteria:

- Interns will be given questionnaire consisting of 20 questions.

Data measurement :

- All the interns of the Sharad Pawar Dental College

Bias :

A convenience sampling method is used. Interns will be given questionnaire consisting of 20 questions. Questionnaire will be subdivided in two parts, one part consisting of question related to knowledge of esthetic restorative services and second part will include question related to need for esthetic restorative services

Study size:

- We will use convenience sampling method

Quantitative variables :

- All participants have passed the final year exam of BDS and now they are interns.

Statistical method :

- Confounding was control by restriction method ,by selecting participants from same college that is from sharad pawar dental college.
- Analysis will be done using Chi square test

Expected results :

The results will show that the knowledge of dental esthetic among dental interns will not be fully satisfactory ,there will be variation in the level of knowledge of dental esthetic and there will be a need in the improvement of the knowledge and need of dental esthetics.

Discussion :

Numerous factors are related with dental esthetics, such as the color and the shape of the teeth and the shape of the dental arch. These factors are affected by individual preferences, cultural factors and socio demographic factors. The viewer's perception of a visual experience could be pleasant and beautiful by one individual and culture, while it could be seen as nasty in another. The appearance of the teeth could be influenced by gender, age and education level. Females are reported to be more sensitive than males for the appearance of teeth and the importance of teeth decreases with ageing and higher education levels. Perceived dental treatments on anterior teeth also have an impact on dental esthetics, which is affected by individual preferences and cultures. Unfortunately, in some cases, dentists may develop an esthetic appearance differing from the patient's concepts, resulting in communication problems and unanticipated difficulties. As esthetics is an important dimension in dental practice and could be related to individual preferences, cultures, socio demographic factors and perceived dental treatments.. Grenada³ given the Glade Oral Health related Quality of Life.

Akarlan⁶ in his shown the dental esthetic satisfaction, received and desired dental treatments for improvement of esthetics. Sunayana Manipal⁷ in their studies proved that with respect to physical aspects, pigmentation shows more significance as students want to get treated for their pigmentation of lips and gums. With respect to functional aspects, eating shows more significance as students have difficulty while eating. In social aspects, habits show more significance as it affects their esthetics. With respect to psychological aspects, mental depression shows more significance as students feel more deprived due to their unesthetic appearance. Education seems to have a significant influence on esthetic perception and subsequent recommendation for treatment needs.⁸ Many factors can influence perception of esthetics including emotions, motivation, context or setting, cultural background, and past experiences⁹. Samar A Al- Saleh¹⁰, used photographs depicting facial and smile features that deviate from universally accepted esthetic standards were presented in a questionnaire. Participants were asked to rate the images and to identify the main discrepant criteria. Students had 45.2% correct answers compared to 51.6% for clinicians. Among students, the highest awareness was found among 5th year students, followed by interns, 4th year and 3rd year students. The ability of different group samples to diagnose discrepancies of smile esthetics was refined and enhanced with increased clinical experience and knowledge. Few studies related to smile esthetics were reported by Mone, F. H et al¹¹ Dudhekar et al¹² and Pisulkar et al¹³.

So detailed knowledge of esthetic restorative services should be assess among dental students. Also it is important to assess need of esthetic restorative services among dental students .So, this study will surely help to include the knowledge of esthetic restorative services

during the course of teaching to dental students to train them in their field of lacunae. Study will be conducted in Sharad Pawar Dental College, D.M.I.M.S, among dental interns. Interns will be given questionnaire consisting of 20 questions. After collection of data analysis will be done.

REFERENCES

- [1] Goldstein RE. Study of need for esthetics in dentistry. *J Prosthet Dent.* 1969;21:589–98.
- [2] McGrath C, Bedi R. An evaluation of a new measure for measuring oral health related quality of life. *Community Dent Health.* 2001;18:138–43.
- [3] Glade Oral Health related Quality of Life, Grenada, 7-8 May. 2004.
- [4] Jefferson Y. Facial beauty—establishing a universal standard. *Int J Orthod Milwaukee.* 2004;15(1):9–22.
- [5] Davis NC. Smile design. *Dent Clin North Am.* 2007;51(2):299–318, vii. doi:10.1016/j.cden.2006.12.006
- [6] Akarlan ZZ, Sadik B, Erten H, Karabulut E. Dental esthetic satisfaction, received and desired dental treatments for improvement of esthetics. *Indian J Dent Res.* 2009;20:195–200.
- [7] Sunayana Manipal, The importance of dental aesthetics among dental students assessment of knowledge. *J Int Soc Prev Community Dent.* 2014 Jan-Apr; 4(1): 48–51
- [8] Falkensammer F, Loesch A, Krall C, Weiland F, Freudenthaler J. The impact of education on the perception of facial profile aesthetics and treatment need. *Aesthetic Plast Surg.* 2014;38(4):620–631.
- [9] Burgueño-Barris G, Cortés-Acha B, Figueiredo R, Valmaseda-Castellón E. Aesthetic perception of single implants placed in the anterior zone. A cross-sectional study. *Med Oral Patol Oral Cir Bucal.* 2016;21(4):e488–493.
- [10] Samar A Al- Saleh, Deema A Al-Shammery. Awareness of Dental Esthetic Standards Among Dental Students and Professionals. *Clinical, cosmetic and investigational Dentistry.* 2019; 11: 373–382.
- [11] Mone, F. H., Roy, K., Hasan, G. Z., Roy, K., Ahamed, Q. S., & Jui, J. F. ,Peutz-Jeghars’ syndrome, a rare genetic disorder: A case report. *Journal of Medical Research and Health Sciences*, 3(7) (2020).. <https://doi.org/10.15520/jmrhs.v3i7.221>
- [12] Dudhekar, A., S. Nimonkar, V. Belkhode, A. Borle, and R. Bhola. “Enhancing the Esthetics with All-Ceramic Prosthesis.” *Journal of Datta Meghe Institute of Medical Sciences University* 13, no. 3 (2018): 155–57. https://doi.org/10.4103/jdmimsu.jdmimsu_78_18.
- [13] Pisulkar, S.K., R. Agrawal, V. Belkhode, S. Nimonkar, A. Borle, and S.R. Godbole. “Perception of Buccal Corridor Space on Smile Aesthetics among Specialty Dentist and Layperson.” *Journal of International Society of Preventive and Community Dentistry* 9, no. 5 (2019): 499–504. https://doi.org/10.4103/jispcd.JISPCD_2_19.