



ACRYLIC DENTURE STOMATITIS OF ORAL CAVITY: A CASE REPORT

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ABSTRACT

Dental quackery describes the misinterpretation of the diagnosis and treatment of the dental disease. Most commonly dental quacks are the self-styled experts, whose basic tools are very incompetent and also fraud. It is prevalent in India since many decades. Many dental quacks are practicing roadside, which makes money by doing unethical practice and ultimately hampering patient's oral health. Hereby, this article describes a case report of acrylic stomatitis of oral cavity in a 75 year old female patient.

KEYWORDS: Quackery, Quacks, Acrylic denture, Buccal mucosa.

INTRODUCTION

As in the other fields of the medicine, dentistry is also a science based and highly regulated health care profession now days. Dentistry and dentists serves increasingly sophisticated and demanding patients. In current scenario dentistry and dentist are facing numerous challenges, in which one of the most important is the dental quackery. Because of the unethical practice of the dental quackery, the patient's oral health is in severe danger, and many complications are arising after such malpractice.^[1,2] Here we presenting a case of dental quackery side effects in oral cavity in a 75 year old female patient.

CASE REPORT

A 75 year old female patient reported to department with a complaint of impinging upper denture from 6 months and burning sensation in left side of cheek. Upon intra oral examination of patient solitary pale eroded area of 1x1 cm in size with irregular border and oval shape was present on anterior part of palate and black pigmented area was present over the left buccal mucosa with diffuse borders. Eroded area of palate was tender on palpation, with no grooving and no discharge (Fig-1) and left buccal mucosa pigmented lesion was soft and tender on palpation. (Fig-2).



Fig 1: Solitary eroded area on anterior part of palate.



Fig 2: Black pigmented lesion on left buccal mucosa.

Maxillary occlusal cross sectional radiograph was performed and no bone abnormality detected and plasma sugar levels and complete hemogram of patient were within normal limits. The use of old denture was discontinued immediately. Patient was prescribed with oral antibiotics Cap. Amoxicillin 500mg/TDS for 5 days and topical steroids Ointment. Triamcinolone Acetonide 0.1% to be applied 2-3times/day to reduce the inflammation for 1 week and continued for 3 weeks. After complete healing of eroded areas and complete submission of burning sensation, new denture was fabricated with Trevelon denture material and given to the patient.

DISCUSSION

Quacks exist in the dental profession especially in areas like rural areas, small cities where there is poor access to oral healthcare either through lack of dentists or because of the cost of treatment at dental surgeries.^[2] The term "Quackery" is derived from the word quacksalver i.e. the person who boasts his salves.^[1,2] The term "Quackery" can be defined as fraud practice or malpractice but as per literature it is defined as "the fraudulent misrepresentation of one's ability and experience in the diagnosis and treatment of disease or of the effects to be achieved by the treatment offered." Quacks are the persons who have observed qualified dental practitioners working on patients and learnt themselves the dental techniques of the dental treatment, in different ways. Quacks learn various dental procedures while assisting dental surgeons and start practicing without any theoretical knowledge in rural areas or these quacks may be inherited this malpractice of quackery from their families and they adopted quackery as a profession.^[1] Quacks and other people who are doing this quackery practice are untrained nonqualified persons and basically these quacks do not have any scientific professional education and knowledge in the field of the dental practice.^[1,2] Quacks who are doing quackery having tools for malpractice which are usually incompetence, unhygienic, broken, old and fraud.^[1,2] Quacks are the person who never concern about sterilization of instruments using so they are big danger for the oral as well overall health of patient as well as for society. Quacks use the instrument as per their convenience like screw drivers for extractions, self cure acrylic for restorations as well for fixing loose teeth, steel wires for fixing removal partial dentures.^[3,4]

QUACKERY IN PROSTHETIC DENTISTRY

A huge world of quackery is seen mainly in the field of Prosthodontics. Quacks commonly known by the names of denturists are playing with life of patients by using old extracted teeth with self cure acrylic to replace missing teeth as the name of fixed prosthetics.^[3,1]

Various Faulty Prosthesis

Suction Disc

Maxillary dentures are made by quacks with suction discs inserted so that maxillary dentures did provide

sufficient retention and stability to the patients. These suction discs of maxillary denture provides required amount of retention by creating negative pressure on the palatal tissue mucosal surface. This negative pressure of suction denture induces harmful effect on palatal mucosal tissues by reducing blood circulation, which produces hypoxic state in the affected area and necrosis of mucosal tissue and various fungal infections. The underlying bony part of palate also affected by this leading to tissues perforation, which may cause death of patient in later stage.^[3,5,6]

Wire Retained Fixed Partial Dentures

Quacks uses steel wires to stabilize the mobile tooth or ill-fitted denture with the support of adjacent teeth. These types of temporary replacements are called fixed dentures, by quacks. These ill-fitted dentures always harm oral health of the patients, and may damage the remaining healthy adjacent teeth and mucosa. These quackery procedures are very harmful to the patients as they can lead to bone loss and adjacent tooth loss.^[1,3,5]

Other Faulty Prosthesis

Restoration of midline diastema space of maxillary arch and other gaps between the teeth with artificial teeth retained with self-cure acrylic. Such prosthesis may worsens the condition of soft tissues, cause various infections and may creates more spaces between the teeth.^[3]

HARMFUL EFFECTS OF DENTAL QUACKERY

Dental quack is characterized by a lack of proper theoretical knowledge and effectiveness for diagnosis, treatment of patients or prevention of diseases in concern with the dental treatment. Quacks also do not have valid scientific degree or diploma. Thus the dental quackery can lead to various harmful effects like:^[4,5,6]

- Placement of suction disc in maxillary denture can lead to erosion of the palatal mucosa and perforation of palatal bone underneath..
- Fixed denture with self cure acrylic which may cause red erosions of the gingival tissue, bone loss or loss of adjacent tooth.
- Use of unsterilized dental instruments and malpracticed tools can lead to transmission of life threatening infections to patients like HIV.
- Dental quacks may also advices the use of direct application of 30% hydrogen peroxide in some patients to remove stains on teeth, which has harmful effect on pulp tissue of teeth like obliteration of odontoblasts, hemorrhage, resorption and inflammatory infiltration through pulp canal.
- Quacks can lead to misdiagnosis and/or incorrect treatment for serious and potentially life-threatening disease.

QUACKERY CAN BE HANDELLED

Most of the people and officials think that quackery is easy to stop everywhere, which is not. Quacks mostly use scientific terms and quote (or misquote) scientific

references to misguide the patient in rural areas.^[4,6] In dentistry, the matters of quackery need to be carefully analyzed, evaluated and proper committees to be made to look after things and take proper action against quackery. Officials and dental committees should decide that whether these street dentists or quacks can be legally trained with minor first-aid procedures should be given or not.^[4] The other ways of increasing the accessibility to quality professional care for the rural areas should also be seen upon. The Government and officials with the help of dental committees should appoint more number of dental graduates to practice in rural areas and provide more incentives to them and make it as compulsory rotator training program during the graduation courses.^[3]

CONCLUSION

Quackery is mal practicing form of dental treatment from the last so many decades. Nowadays, modern quacks are having smart ways to treat patient with no fear, because of advancement of social media and availability of various procedures videos on internet. Quacks are doing their quackery procedures by roadside of rural areas as well small cities and making money from the malpractised dental treatments, which are harmful for the patients as well as for society. Thus it is high time for the all dental practitioners and government officials to stand all together and fight against the quackery for the health of the patients and also importantly to save this prestigious dental profession.

REFERENCE

1. Ali FM, Uthappa R, Raj AP, Kumar S. A case report of the dental quackery in a 42 year old male patient. *MJMBR.*, 2015; 2(1): 13-15.
2. Azis NMN, Abidin KZ. Acrylic partial dentures fixed to adjacent teeth: a case report on quack dentistry. *Arch Orofac Sci.*, 2015; 10(1): 41-45.
3. Sandesh N. Street Dentistry: Time to tackle quackery. *Indian J Dent Res.*, 2009; 20(1): 1-2.
4. Goyal S, Kansal G. Quackery in dentistry: An overview. *J Den Peers.*, 2013; 1(2): 150-157.
5. Divia, Gupta C, Kaur S. Beware of quackery: unqualified dental practice in India. *IJRSR.*, 2015; 6(4): 3428-3430.
6. Shaw E, Garg K, Mehrotra A, Mehrotra V. Suction Denture: A Case Report on Dental Quackery Rama Univ J Dent Sci., Dec 2015; 2(4): 27-29.