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THE INTERNSHIP DENTISTS KNOWLEDGE ABOUT DRY SOCKET

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ABSTRACT

A Dry socket is delayed healing but without an infection. This postoperative complication causes moderate to severe pain, but is without the usual signs and symptoms of infection. The term dry socketdescribes the appearance of the tooth extraction socket when the painbegins.

Objective: The aim of this study was to assess the information of internship dentists in Alfarabi dental college about the dry socket.

Methods: Anonymous survey (15 questions) forms were distributed among the internship dentist in Alfarbi dental college. 115 dentists filled the questionnaire completely.

Results: A high percentage of the internship dentists (94.8%) agreed that the incidence of dry socket is significantly higher in smokers than in non-smokers, while 10.4% agreed that chlorexidine when used as a preoperative irrigant and mouthwash can increase the dry socket incidence.58.3% of participants reported that dry socket occurred three times less frequently in females on oral contraceptives than inThose who are not taking them. Theanalysis of data was performed using methods of descriptive statistics.

Conclusion: The non-practiced endodontic procedure was clearly related to levels of self confidence among internship dentists; this means; a lot of studies in dental school should be performed to determine the weakness points or gaps in undergraduate endodontic courses.

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INTRODUCTION

Early loss of the blood clot produces an acutely painful condition in around 5% of normal extractions (Bowe DC et al. 2017). This case is called "Dry Socket" which interferes with the healing process that takes place after a tooth extraction. Dry socket was first described by Crawford in 1896 (Crawford JY 1896). "Dry socket" term is used because the socket has a dry appearance after the blood clot is lost and debris washed away. Many other terms are used with the same meaning of dry socket like: alveolar osteitis, alveolitis, localized osteitis, alveolitis sicca dolorosa, localized alveolar osteitis, fibrinolytic alveolitis, septic socket, necrotic socket, alveolagia (Cadoso CL et al. 2010). The socket may be filled with food debris and saliva (Bowe DC et al. 2017). The pain radiates to the ear and neck (Swanson AE. 1989). Histologically; dry socket consistsof remnants of the blood clot and an inflammatory

response characterized by neutrophils and lymphocyte (Birn H. 1973). The supposed causes of dry socket are trauma during extraction, bacterial infection and biochemical agents (Butler DP, Sweet JB.1977). This complication occurs more commonly in the extraction of the third molars (Muhammad AS. 2010). Trauma from extraction and aggressive curettage cause fibrinolytic activity (Birn H. 1973). Radiotherapy to the head and neck results in a decreased blood supply to the mandible (Soames JV, Southam JC. 1999). Antibiotics influence the incidence of dry socket (Torres-Lagares D et al. 2005). Irrigation removes the debris and bacteria from the bare bone in the dry socket (Kaya GS et al. 2011). Home instructions for maintenance of oral hygiene and gentle warm saline rinses help in the healing of the socket (Fazakerley et al.1991). Turner stated that curretage and removal of granulation tissue resulted in fewer visits than zinc oxide eugenol or iodoform gauze with eugenol technique (Turner PS.1982). The aim of this study was

to assess the information of internship dentists registered in Alfarabi dental college aboutone important complication of tooth extraction (Dry socket).

Table 1 The answers of the questions of this survey, number of answers for each choice, and the percentage of each answer

N	%
65	56.5%
50	43.5%
veolar osteitis	000/
	80%
	15.7% 4.3%
city at any tim	e between the mist and
82	71.3%
29	25.2%
4	3.5%
rtial or total di	sintegrated blood clot
0.6	02.50/
	83.5% 10.4%
	6.1%
	81.7%
13	11.3%
8	7%
ket?	
44	38.3%
85	73.9%
	80% 14.8%
	5.2%
	n males due to possible
	in mates due to possible
42	36.5%
32	27.8%
41	35.7%
ificantly higher	in smokers than in
100	04.00/
	94.8% 3.5%
	1.7%
56	48.7%
37	32.2%
22	19.1%
	ly in females on oral
	58.3%
	25.2%
	16.5%
operative irriga	int and mouthwash,
12	10.4%
75	65.3%
28	24.3%
are effective in	
are cricerie in	prevention of dry
45	39.1%
45 24	39.1% 20.9%
45 24 46	39.1% 20.9% 40%
45 24 46 2-3 weeks , the	39.1% 20.9% 40% pack of medicated
45 24 46 2-3 weeks , the	39.1% 20.9% 40%
45 24 46 2-3 weeks , the	39.1% 20.9% 40% pack of medicated be changed and
45 24 46 2-3 weeks , the l eugenol must l	39.1% 20.9% 40% pack of medicated
45 24 46 2-3 weeks , the eugenol must l	39.1% 20.9% 40% pack of medicated be changed and
45 24 46 2-3 weeks , the eugenol must l	39.1% 20.9% 40% pack of medicated be changed and 45.2% 33.9%
45 24 46 2-3 weeks , the eugenol must b 52 39 24 ket can range f	39.1% 20.9% 40% pack of medicated be changed and 45.2% 33.9% 20.9% rom a short course of based like codeine
45 24 46 2-3 weeks , the eugenol must l 52 39 24 ket can range f rug to narcotic 67	39.1% 20.9% 40% pack of medicated be changed and 45.2% 33.9% 20.9% rom a short course of based like codeine 58.3%
45 24 46 2-3 weeks , the eugenol must b 52 39 24 ket can range f	39.1% 20.9% 40% pack of medicated be changed and 45.2% 33.9% 20.9% rom a short course of based like codeine
	92 18 5 erity at any tim 82 29 4 ortial or total di 96 12 7 rede halitosis an 94 13 8 eket? 44 85 v in the mandib 92 17 6 v in females tha 42 32 41 ifficantly higher 109 4 2 of developing a 56 37 22 es less frequent ire not taking the 67 29 19 operative irriga

MATERIALS AND METHODS

115 internship dentists complete the questionnaire; they were not being obliged for completing or returning the survey. The

questionnaire contains 15 questions, one of them is related to gender, other questions concerning with dry socket term, causes, clinical features, factors affecting dry socket, and treatment of this complication. Descriptive statistical methods were used to evaluate the data.

RESULTS

The table (1) contains the last percentage and number of answers according to the returned questionnaires. These results were obtained by descriptive statistical methods of analyzing the statistical data. Each of these results will be discussed individually in the discussion.

DISCUSSION

80 % of participants agreed that a dry socket also referred to as alveolar osteitis, this term was mentioned by Cadoso CL *et al* 2010. Pain in dry socket increases in severity at any time between the first and third day after the extraction (Blum IR.2002); this statement was known by 71.3% of participants. Also Blum mentioned that Dry socket is accompanied by a partial or total disintegrated blood clot within the alveolar socket (Blum IR.2002); 83.5% of dentists knew this information.81.7% of internship dentists said that dry socket is accompanied by marked halitosis and foul taste (Awang MN.1989), (Fazakerley *et al.*1991).

In the section of dry socket causes 38.3% of participants chose trauma during extraction, while 73.9% support the bacterial infection and biochemical agents as a cause of the dry socket (Butler DP, Sweet JB.1977). Dry sockets occur more frequently in the mandible than the maxilla (Muhammad AS.2010), most of our dentists (80%) agree with (Muhammad AS.2010). Dry socket occurs more frequently in females than males due to possible hormonal cause (Sweet DB. 1978), the answers about this question was not accurate enough; only 36.5% were sure about the correct answer. Approximately all dentists (94.8%) are sure that, the incidence of dry socket is significantly higher in smokers than in non-smokers (Mohammed H Abu Younis, Ra'ed O Abu Hantash.2011). 48.7% agree with the statement" Vasoconstrictors increase the risk of developing a dry socket" which was mentioned by Fridrich in 1990 (Fridrich et al 1990). The dry socket occurred three times more frequently in females on oral contraceptives than in those who are not taking them; 58.3% of participants did not agree with this correct information according to (lily et al. 1974). 65.3% supported the information that Chlorhexidine when used as a preoperative irrigant and mouthwash, decrease the dry socket incidence (Houston JP et al.2002). In dry socket management section in this questionnaire only 39.1% of participants knew Erythromycin and Metronidazole are effective in prevention of dry socket. As it is known that every 2-3 weeks, the pack of medicated dressing containing zinc oxide and eugenol must be changed and removed after the pain subsides (Houston JP et al.2002); 45.2% of participants agreed this point.58.3% of dentists in this study select the choice that, analgesics in dry socket can range from a short course of non-steroidal antiinflammatory drug to narcotic based like codeine.

CONCLUSION

Within the limits of our study; the knowledge of our dental college' internship dentists about dry socket is accepted, except in some points of specific information like (gender, oral contraceptives, and antibiotics) effects on dry socket development.

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