Case Report: Obturator Prostheses for Partial Maxillectomy Patient

Khalid Ahmad Omar Arafa

Associate Professor of Prosthodontics, Dean, Faculty of Applied Medical Sciences, Albaha University, P.O. Box: 1988 Al-Baha, Saudi Arabia drkhalidarafa@yahoo.com

Abstract: Case report for the maxilla defect due to surgical or congenital defect and replacement by maxillofacial application.

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1. Introduction:

Maxillary imperfections are made by surgical treatment of benign or malignant neoplasms, congenital malformation and by injury. The size and place of the defects impact the level of weakness and trouble in prosthetic restoration. Absence of support, maintenance, and dependability are basic prosthodontic treatment issues for patients who have had a maxillectomy (1).

Approsthesis utilized to close a palatal defect in a dentate or edentulous mouth is alluded to as an obturator. The obturator prosthesis is utilized to rehabilitate masticatory functions and enhance discourse, deglutition and beautifiers for maxillary imperfection patients (2). A mixture of issues faces the prosthodontist endeavoring remaking of maxillary imperfections. There are different treatment choices for patients obliging an incomplete maxillectomy and obturator prosthesis. Decreased versatility makes it troublesome for the patient to figure out how to utilize another machine, unless existing aptitudes can be utilized. It is hence useful to duplicate natural highlights of a persistent's current obturator, particularly if this has been utilized effectively more than a move period (3).

Radical maxillectomy oftentimes prompts expanded defects in hard and delicate tissues that results in an association between the oral and nasal cavitie. Maxillary deformities, for example, those made after developed tumor removal, injury or made by inherent contortion may bring about extreme facial distortion and bargained capacity. Absence of bolster, maintenance, and solidness are regular prosthodontic treatment issues for patients who have had a maxillectomy (4). Furthermore patients encounter a loss of personal satisfaction and feel disengaged in view of their appearance and useful shortfalls .Elements that influence the prosthetic guess for

these patients are the span of imperfection, number of remaining teeth measure of staving hard structure, nature of existing mucosa, radiation treatment, and own capacity to adjust to the prosthesis(5). Patients, who have one-sided resection with few remaining teeth, have issues like poor prosthetic guess in view of insufficient denture bearing zone, absence of weight curve adjustment, and absence of structures for denture in totallv edentulous maintenance as patients.(6.7.8) Oral restoration after incomplete maxillectomy presents assorted clinical and specialized issues The motivation behind this case report is to exhibit the advantages and materialness of proper maxillofacial prosthetic recovery taking after surgical resection of neoplasms of the maxilla.

Case report:

A patient aged 32 years-old had a complaint of his facial esthetic and loss of masticatory function and speech. The information obtained from the patient revealed that she had an operation due to a tumor the removal of the left maxilla. During the prosthodontic checkup remaining structures and the surgical defect was examined.

2. Materials and Methods:

Patient presenting with a neoplasm of the maxilla was studied histologically, tumor site, subsequent surgical defect, and method of definitive obturator prosthesis. Impressions were engaged using permanent hydrocolloid and poured with dental stone. Fast surgical obturator was fabricated from cast using clear autopolymerizing acrylic resin. Patienthad one-sided partial maxillectomy. Immediate surgical obturators were built-inintraoperatively and held in place using Adams clasps on the residual natural dentition for patient. After 6 to 8 weeks, surgical obturators and packing were quiet, and

new impressions were taken to fabricate definitive obturators. Primary impression taking second visit second impression taking, third visit jaw relation taking, four visit try in done, five visit delivery the obturator for patient. Patients were given every 3 months, then once every 3 months per year for 3 years.

3. Results:

Surgical obturators encouraged maintenance of the surgical pressing, advancing healing with insignificant postsurgical contamination and scar contracture formation. This guaranteed the reclamation of adequate style and upkeep of oral capacity at a sensible level amid the introductory postoperative period. Conclusive obturators restored feel, oral capacity, rumination and capacity to handle discharges to an agreeable level.

Conclusion:

Acceptable useful and esthetic results are achievable in patient with broad procured maxillary absconds by method for obturator prostheses created utilizing promptly accessible materials to saying the oral capacity, rumination and capacity to handle discharges to an attractive level.

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