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TYPE OF ARTICLE: Clinical Images

TITLE: Obturator with favorable intaglio extension

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Short Running Title: Maxillary obturator with favorable soft liner intaglio extension

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CASE REPORT

A 47 year old female patient reported to the department of prosthodontics with a chief complaint of broken prosthesis causing difficulty in speech and nasal discharge of water & exudates into the mouth. Past dental history revealed that patient underwent surgical treatment for cleft lip and cleft palate 10 years back, with missing incisors and canine in right quadrant of maxilla. Post-surgery patient was using labial obturator to cover the maxillary defect. Clinical examination revealed maxillary defect extending from alveolar ridge of maxillae in relation to 11, 12 and 13 missing teeth to hard palate involving part of mid palatal raphae. Patient was rehabilitated with obturator closing the defect and replacing the missing teeth along with it to restore esthetics. The obturator was relined with soft liner with Intaglio Extension utilizing favorable undercuts for retention atraumatically (Figures 1 - 5).

DISCUSSION

Obturator prosthesis is commonly used in cases of maxillary defects to separate oral cavity and nasal cavity. It helps to restore speech and normal deglutition [1]. Designing of prosthesis is critical in maxillary defects [2]. In this case retentive design of prosthesis was planned in a way to extend the intaglio soft liner extension into the favorable undercut into the defect area approximating the soft tissue [3]. Favorable soft intaglio extension will impart proprioception and retention. Overall treatment provided a positive impact on physical and psychological health of the patient [4].

CONCLUSION

Obturator prosthesis improves oral function. Appropriate planning of obturator improves deglutition, speech, esthetics, retention and enhances psychological comfort. It benefits the morale of the patients.

Keywords: Obturator, Prosthesis, Soft Liner, Intaglio Extension

CONFLICT OF INTEREST

Nil
AUTHOR’S CONTRIBUTIONS

Abdul Habeeb Bin Mohsin

Group 1 - Conception and design, Acquisition of data, Analysis and interpretation of data

Group 2 - Drafting the article, Critical revision of the article

Group 3 - Final approval of the version to be published

REFERENCES


FIGURE LEGENDS

Figure 1: Maxillary defect occlusal view

Figure 2: Maxillary defect labial view

Figure 3: Obturator prosthesis with intaglio extension

Figure 4: Obturator prosthesis with intaglio extension (Lateral view)

Figure 5: Post-operative view
FIGURES

Figure 1: Maxillary defect occlusal view

Figure 2: Maxillary defect labial view
Figure 3: Obturator prosthesis with intaglio extension

Figure 4: Obturator prosthesis with intaglio extension (Lateral view)
Figure 5: Post-operative view