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**Quality of Life (QOL) with Obturator Prosthesis in Post-Covid
Mucormycosis Patients**

Running title- QUALITY OF LIFE (QOL) WITH OBTURATOR

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Abstract

Background- Even though a large number of studies have investigated QoL in partially and completely edentulous patients, only a few articles have focused on QoL of patients using an obturator prosthesis after maxillectomy, especially due to post-COVID Mucormycosis.

Aim and Objective: This survey aimed to evaluate the Quality of Life (QoL) of patients affected by Post COVID Mucormycosis in Gujarat after being treated with Obturator Prosthesis.


Materials and Methods: 150 patients affected by Post COVID Mucormycosis involving Maxilla were provided Maxillary Interim Obturator Prosthesis. Obturator Functioning Scale (OFS) evaluating QoL was recorded at least 1 month after wearing the prosthesis.

Result: The study found that the average age of patients was 58.55 years old. Of the respondents, 36.7% had little to no education, 11.3% had attended school, and 52% had college, university, or postgraduate qualifications. The majority of patients were employed, with 34% reporting being at their job. The average time that an obturator had been worn was 1 month for 44.6% of patients, 2 months for 34.7%, and 3 months for 20.7%. The highest OFS score was 4.46 for participants aged 20-39, 1.74 for female

participants, 1.73 ± 0.4 for graduates, and 1.70 ± 0.53 for farmers. The most common issue reported was difficulty in chewing, with an average score of 2.98.

Conclusion: Among all the groups, the highest OFS observed in participants of the age group 20-39 years, in female participants, graduates, and farmers. The highest average value of OFS was in Difficulty in chewing. The quality of Life of a patient improves significantly after being treated with Obturator Prosthesis.

Key Words: Post-COVID, Mucormycosis, Interim Obturator, Prosthesis, Quality of Life (OHRQoL), - OFS.

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