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(DEEMED to be UNIVERSITY)
Accredited with 'A+' Grade (2017) by NAAC
DENTAL COLLEGE AND HOSPITAL, SANGLI

ORBITAL PROSTHESIS

A 64 year old male patient reported to Department of Prosthodontic and Crown & Bridge with the history of mucormycosis leading to exenteration of the right eye of the patient 2 years ago. An orbital prosthesis was planned for the patients. The patient was informed after taking procedural consent and educated about the procedure.



Steps of treatment were as follows -

- Facial Mold: A facial mold was made using irreversible hydrocolloid material to capture the contours of the patient's face.
- Transfer of Markings: Facial and anatomical markings were transferred from the contralateral (left) eye to ensure symmetry and proper placement.
- Selection of Stock Acrylic Shell: A stock acrylic shell matching the contralateral eye was chosen as the base for the prosthesis.

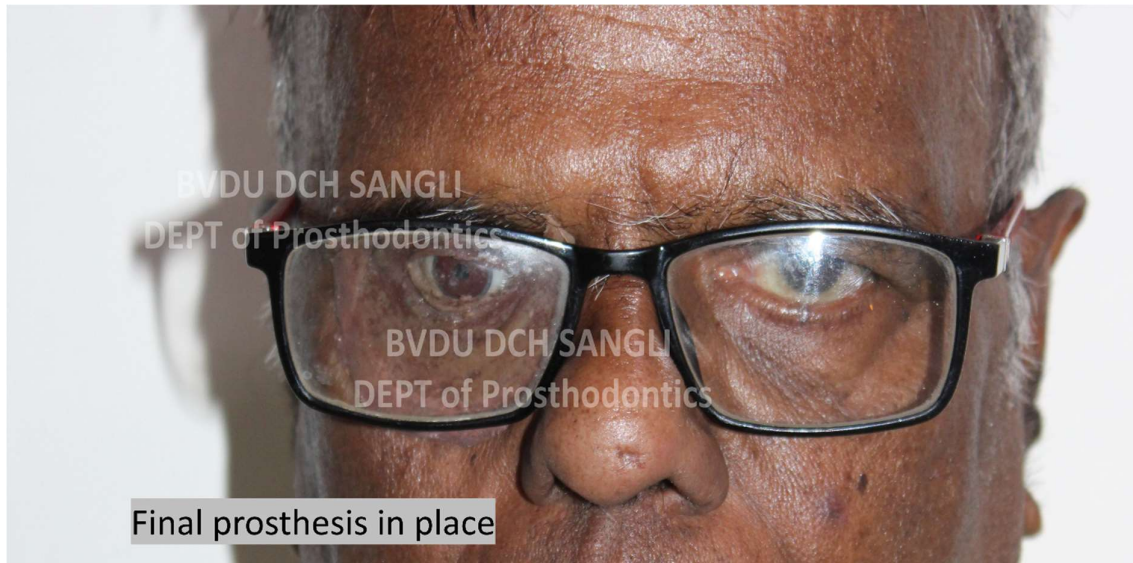
- Wax Pattern Carving: A wax pattern was carved, focusing on accurate placement of the shell and replication of facial musculature.



- Patient Approval: After the wax pattern was created, the patient approved it for further processing.
- Conversion to RTV Vulcanized Silicon Prosthesis: The wax pattern was then converted into a prosthesis using RTV (Room Temperature Vulcanization) vulcanized silicon.



- Seamless Blending and Shade Matching: Attention was given to seamlessly blend the peripheral borders of the prosthesis with the surrounding skin, and shade matching was done during intrinsic and extrinsic staining to ensure a natural appearance.
- Retention Enhancement: Anatomical undercuts were incorporated into the prosthesis to enhance retention



- Dr. Yash Zawar provided direct care to the patient, while Dr. Raghavendra Adaki, Dr. Dayanand Huddar, Dr. Banashree Sankeshwari and Dr. Deepti Fulari served as a guiding presence throughout the process. Teamwork and collaboration among healthcare professionals are crucial for delivering effective patient care.