

## 22. Redefining precision in orbital prosthesis

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**Introduction :** orbital defects are seen as a culmination of management of tumors of orbital contents or as a result of immuno-compromised conditions . These defects lead to significant facial disfigurement, functional limitations, and negative psychological impact on the patient. Even though prosthetic rehabilitation of such defects is extremely challenging, it is extremely fulfilling when done right. Orbital prosthesis fabrication is an art in itself. Various techniques have been advocated to fabricate an orbital prosthesis, retained by a myriad of options such as adhesives, magnets or implants. With the advent of rapid prototyping, it has become possible to incorporate this technology in the improvisation of the conventional methods of fabrication. . **Material and methods:** a 50 yr old male patient reported in the opd with an orbital defect due to mucormycosis. The defect was rehabilitated with a silicone prosthesis which was a two-staged fabrication: first an inner mould was digitally fabricated , hollow in shape to reduce the weight, precise in fit owing to its exact dimensions as well as biocompatible due to its materials . The second stage involved making the silicone prosthesis attached to the inner mould.. **Conclusion:** a perfect synergism of the conventional design with a digital novelty resulted in a well-fitting, stable and aesthetic orbital prosthesis..

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