

Evaluation of the Motility in Acrylic Prosthesis after Evisceration

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Purpose : To evaluate the motility of the acrylic prosthesis with silicone sphere implantation and patient satisfaction following evisceration. **Materials and Methods :** Evisceration with silicone sphere implantation was performed in 26 cases and the mean follow-up was 32.6 ± 8.4 months (19-52 months). Acrylic prosthesis was fitted in four to six weeks following the surgery. The motility of the prosthesis were graded as: Grade 0 : No movement in the prosthesis; Grade 1 : Poor movement with more than 75% limitation; Grade 2 : Moderate movement between 50% to 75% limitation; Grade 3 : Good movement with less than 50% limitation at least in two cardinal gaze positions. The patient satisfaction was subjectively evaluated as good, moderate or poor by the patient him- or herself. Also a pre- and postoperative self-esteem test (Multi-dimensional Body-Self Relations Question nare-MBSRQ) was also performed to evaluate patient satisfaction more objectively. **Results :** Silicone spheres with sizes changing between 14 and 20 mm were used in all cases. In one case extrusion of the implant occurred one months after the surgery due to contraction of the scleral tissue and replaced by a smaller sphere. In the follow-up, no movement was present in two cases (7.7%), Grade 1 in nine cases (34.6%), Grade 2 in eleven cases (42.3%), and Grade 3 motility in four cases (15.4%). Fourteen patients (53.8%) revealed good satisfaction, seven patients (27%) moderate, and five patients (19.2%) poor satisfaction. Postoperative self-esteem test values were significantly higher compared to preoperative values ($p=0.008$). **Conclusion :** Satisfactory results in mobilization can also be achieved with correct sized silicone sphere implantation and acrylic prosthesis following classical evisceration procedures.