

Medpor Implant Fixation Using Fibrin Glue in the Treatment of Medial Orbital Wall Fracture.

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Abstract:

The optimal treatment modalities are determined based on the symptoms and degree of the bone defects in patients with medial orbital wall blowout fracture. Most of the patients in this series underwent implant surgery. However, there are many patients whose implants were not fixed during surgery. Therefore, some patients who had implant migration occurred had been reported. We have therefore used methods for applying fibrin glue (Tisseel, Baxter Healthcare, Norfolk, United Kingdom) for the fixation of implant. Between 2007 and 2013, a total of 168 patients underwent porous polyethylene orbital implant (Medpor) surgery with the application of Tisseel. All the patients underwent surgical treatments via a transcaruncular approach, for which the Medpor was used. Postoperative complications include 6 cases of the limitation of extraocular movement, 10 cases of diplopia, and 7 cases of enophthalmos. However, there were no specific complications caused by Tisseel. All the patients were satisfied with the treatment outcomes. In this study, we report the usefulness of Tisseel in the fixation of the medial orbital wall fracture using the Medpor implant with a review of literatures.