

TRAN-SCLERAL FIXED INTRAOCULAR LENS DISLOCATION PRESUMABLY CAUSED BY A ROLLER-COASTER RIDE

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Purpose: To report a case of intraocular lens dislocation after coming off the roller coaster.

Method: Case report.

Results: A 43 years old male had suffered from foreign body(iron piece) getting through his left eye centrally about 13 years ago . Traumatic cataract was resulted (OS) and had been removed then. He had been received intraocular lens insertion twice. For the first intraocular lens implanted over sulcus dislocated after one day post the surgery. He then received intraocular lens fixation few days later. This time, he complained of sudden onset of blurred vision(OS) after he took a ride in the amusement park. The ride is about 12 floors high and rushing down to the ground in few seconds. Due to his impaired visual acuity caused by previous injury, he just felt slight worse in his vision than before. He visited our out patient department 2 days later. Intraocular lens posterior dislocation was impressed. We arranged reposition surgery which transferred his dislocated lens into the anterior chamber. His visual acuity improved.

Conclusion: The intraocular lens dislocation is usually caused by a direct trauma on eyeball. The gravity acceleration effect on the ocular environment was seldom discussed before. Patient with intraocular lens who wants to perform a high G force activity should be aware of complication such as lens dislocation.

Keywords: Intraocular lens dislocation, transcleral fixed method, G force, gravity

INTRODUCTION

Intraocular lens (IOL) implantation for patients who have cataracts is common. The late complications

as intraocular lens dislocation were related to multiple factors. According to previous studies, predisposing factors including pseudoexfoliation, previous vitreo-retinal surgery, trauma, etc.^{1,2}

For patients those who have insufficient posterior

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