

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Cataract Nº CEP

Evaluation of the Modified capsular tension ring in cases of traumatic lens subluxation.

Daniela M.V.Marques,MD, Frederico F.Marques,MD, Robert J.Cionni, MD, Robert H. Osher,MD, Lincoln L. Freitas, MD the modified capsular tension ring (MCTR) in traumatic subluxated, Rubens Belfort, MD

Purpose: To evaluate the behavior of cataracts analyzing the visual acuity, centration of the capsular bag, pseudophacodonesis, postoperative follow up and intra and postoperative complications. **Setting:** Cincinnati Eye Institute, Cincinnati, Ohio, USA.

Methods: Twenty-two eyes of 22 patients with traumatic loss of zonular support had phacoemulsification using PCIOL and MCTR implantation. The preoperative examination included best correct visual acuity (BCVA) and the presence or absence of phacodonesis, lens decentration and vitreous prolapse. The postoperative evaluation included BCVA, the presence of pseudophacodonesis, PCIOL centration, necessity of vitrectomy and other complications. **Results:** 21 eyes (95,45%) had an improvement in the BCVA. The preoperative examination disclosed phacodoneses in 11 eyes (50%) and no eye presented pseudopacodoneses at the postoperative period. Preoperatively, symptomatic decentration was presented in 10 eyes (45,45%) and 22 eyes (100%) had no decentration after surgery. The preoperative examination revealed vitreous prolapse in the anterior chamber in 09 eyes (40,90%). Vitrectomy was required in 11 olhos (50%). **Conclusions:** The use of the MCTR resulted in a good centration of the capsular bag and the PC IOL in 22 eyes with traumatic cataract and loss of zonular support.