

4th International Conference and Expo on

Cosmetology & Trichology

June 22-24, 2015 Philadelphia, USA

Management of lower lid entropion by adjustable sutures

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Introduction: There are many surgical techniques to correct involutional entropion, but they either lead to over-correction or recurrence. A new surgical technique is described here that takes care of both these problems.

Materials & Methods: In a prospective study done at an Oculoplastic unit, 25 consecutive cases of involutional entropion with no remarkable horizontal lid laxity were included. There were 16 primary cases and 9 recurrent. The mean age of patients was 67.5+/-7.4 yrs. (S.D) with a range of 56 - 78 yrs. All were operated by a single surgeon (SI) using the procedure described below. They were reviewed at 1 week, 6 weeks and 1 year postoperatively. The position of lower lid was recorded at each visit.

Surgical Technique: Under local anesthetic infiltration, skin incision was made 4 mm below the lash line, extending from lower punctum to lateral canthus. Orbicularis muscle was split; inferior orbital septum was divided to expose lower lid retractor complex. It was opposed to the lower border of tarsal plate by two 6/0 vicryl sutures tied in slipknots kept outside the skin wound. The skin was closed with continuous vicryl suture. The next morning, if over-correction noted, the knots were opened, the lid was gently massaged upwards; this loosened the sutures and the overcorrection was un-done. The sutures were tied and ends cut short.

Results: Out of 25 cases, 9 (36%) needed correction. On repeat follow-up, none of the patients developed recurrence or overcorrection.

Conclusion: This is a simple technique, easy to learn, avoids recurrence and overcorrection

Biography

Sameera Irfan is a Consultant Oculoplastics Surgeon & Strabismologist, in Mughal Eye Trust Hospital, Lahore, Pakistan. She completed her MBBS from Fatima Jinnah Medical College, Lahore, Pakistan and she is a gold medalist in ophthalmology. She is an active member of various societies like, Royal College of Ophthalmologists, Royal College of Surgeons, Ophthalmological Society of Pakistan, Pakistan Oculoplastic Association, Pakistan Association of Pediatric Ophthalmology, All India Ophthalmological Society, Oculoplastic Association of India.

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