

Deep tear through treatment with hyaluronic acid filler

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Introductions: The tear trough located is at the inferior orbital rim, at the junction of the border of the thin eyelid skin and the thicker cheek skin medially, with attenuated subcutaneous tissue overlying the maxillary bone.

The deepening of this groove, known as a deep tear trough (DTT) leads to true indentation and significantly impacts facial appearance, and may be present, even in young people. A distinct melanocytic hyperpigmentation in the skin of the tear trough or on an almost transparent appearance is almost always associated.

Patients & Methods: Retrospective charts and photography review of patients treated by means of Hyaluronic Acid Filler (HYA) to correct the deep tear trough, between May 2014 and May 2016. The outcomes, including the incidence of complications, need for retreatments, associated therapies and degree of patient satisfaction were evaluated.

Results: A total of 42 patients were included, 6 males and 36 females, with a mean age of 43 years old (19-75 years old). All treatments were performed with needle but 8 were treated with cannula as well. Five patients received associated treatments for skin colour improvement (carboxitherapy: 3, TCA peel:2).

The only reported complications were 3 haematomas and 2 ecchymosis with proper resolution. No cases of hyper or hypocorrection nor other complications were detected.

The reported degree of satisfaction from the patients was high.

Discussion: HYA filler for the treatment of DTT is safe and effective, delivering high degree of resolution of patient's complaint and good satisfaction with only one treatment. Other therapies may be associated to improve the outcomes.