

## **Eyebrow contouring with filler injections: 10 year experience**

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**Introduction:** The eyebrow region presents challenges for filling: the skin is thick, the three-dimensional anatomy complex and there is a predisposition towards fat atrophy and skeletonization with aging. Hyaluronic acid gel (HAG) fillers are well known for the periorbital area. We report our long term experience with eyebrow filling over 10 years

**Methods:** Twenty cases of periorbital eyebrow filling with HAG fillers were followed up over a period of 10 years. The eyebrow filling was customized based on the patient's anatomical features in a 3D plane. Standardized photographs before and after the procedure in standard lighting conditions were evaluated.

**Results:** HAG fillers were tolerated in the eyebrow region. There were no cases with blue-gray dyschromia or prolonged edema as is the case with lower eyelid injections. The eyebrow gained volume and looked fuller immediately after the injection. There were 3 cases with excessive eyebrow puffiness noted on a long term follow-up which may be the accumulated filler weighing the eyebrow. No other adverse events were noted.

**Conclusion:** The eyebrow anatomy is a complex 3D structure. Deflation in the eyebrow area along with the superior sulcus occurs with aging. Filling the eyebrow with HAG fillers is a safe alternative to surgical rehabilitation. We believe the fillers last longer in the eyebrow region due to the complex anatomy specific to this region.