

Session/Poster#

Presenter

**A24**

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### **The Suture Suspension Brow Lift**

**Purpose:** While surgical intervention for forehead rejuvenation has declined, non-surgical alternatives including Botulinum toxin and soft tissue fillers have become predominant. While non-surgical alternatives are plenty, they often are limited in their extent of lift and duration of effect. This case series illustrates a novel, minimally invasive technique for brow lift that seeks to increase extent and duration of rejuvenation.

**Methods:** Eleven patients underwent novel suture brow suspension for non-surgical brow lift between August 2021 and April 2022. The technique utilized a 3-0 or 4-0 barbed glycolic acid and trimethylene carbonate copolymer suture on a straight 60mm needle. The suture is introduced superior to the lateral aspect of the brow in line with the lateral orbital rim and tunneled superolateral to beyond the hairline to lift and tighten the superficial musculoaponeurotic system.

**Outcomes data and complications** were collected during office follow-up office visits (mean 8.9 mo., range 4.9 - 12.7).

**Results:** Patients had an average age of 49.7 years (range, 33 - 67) and included ten females and one male. Ten patients underwent this brow suspension concurrently with other procedures of which, four of whom underwent other brow shaping procedures. Five patients reported complications including recurrent ptosis (2), pain (1), suture tear (1), and exposure of suture (1). Pain resolved with Kenalog/Marcaine injection and two patients required repeat procedures.

**Conclusion:** The suture brow suspension technique is a novel and minimally invasive procedure for brow lift that provides an aesthetically beneficial outcome. Advantages of this approach include the low cost and high degree of control for the surgeon as multiple vectors can be shaped during a single operation. Further research should be conducted to compare outcomes of this approach against both traditional surgical brow lifts and non-surgical alternatives.