



AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

HIALURONIC ACID INJECTIONS IN THE SIX FACIAL DANGER ZONES FOLLOWED BY COLOR DOPPLER ULTRASOUND

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Introduction: Facial fillers injections are becoming a popular alternative to surgical rejuvenation of the face, with limited downtime and immediate results that can be impressive but the complications can be even more. The most frequent complications occur secondary to inadvertent damage or cannulation of vasculature.

Objective: When we do the procedures, there are six facial danger zones that we face, due to the main arterial paths that are involve. And to check how close is the tip of our needle from an important artery during the procedures, we injected hyaluronic acid in those areas of risk while performing an ultrasound following.

Materials and Methods: We performed Real time injection of hyaluronic acid under color doppler ultrasound guidance using a special dermatological transducer, using common injection techniques in the six danger zones: glabella, temporal region, perioral region, nasolabial fold, nose and infraorbital region. Studies around these areas are commonly cadaveric, and it is the first time that they are done live in danger zones.

Results: In the transversal and longitudinal views in the different facial risk zones, we measure the distance from the tip of our needle to the main artery and we confirmed that we are working only a few millimeters away from a catastrophe.

Conclusions: The detailed anatomical knowledge of the areas to be treated with injectables, and the correct use of techniques is of great importance at the moment of performing procedures to minimize the risk and maximize the safety while injecting in facial danger zones.

