

## Dental Congress 2019: Success in the use of hyaluronic acid in the orofacial harmonization: A case report - Andrade Gomes Shimazu Cristiane - Unifatea

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Injectable tender tissue filler processes have become increasingly more crucial for rejuvenating the growing older face. Hyaluronic acid (HA) is one of the materials used as natural dermal fillers that appear in the frame obviously, but disappears with growing older. Such fillers are physiological (non-carcinogenic and non-teratogenic). They are in fact temporary, however more secure to use. Among the huge range of techniques for correction of aesthetic nasal defects, one of them has been gaining emphasis, non-surgical rhinoplasty with dermal filler of HA. The dermal filler of HA gives a promising alternative due to its ease of software, intimacy with tissue, efficacy and safety to the frame of the patient. The gold popular surgical approach for nasal defects is traumatic, postoperative painful technique, and which is away from the affected person???

The intention of this have a look at became to expose a sanatorium case of achievement the usage of HA inside the treatment of aesthetic nasal defects. Treatment location must be cleaned with 70% alcohol and aseptic conditions maintained for the duration of the injection. Local anesthesia can be provided for expanded remedy consolation. It became completed by using Restylane, Restylane Lidocaine, Restylane Perlane (Sweden) for the general public of nasal treatments. Nasal reshaping became carried out with 1 mL Restylane Perlane, injected intradermally into the nasal tip (0.15 ml), 0.20 ml in the nasal septum, inside the anterior nasal spine supraperiostally (zero.20 ml) and intradermally and supraperiostally inside the dorsum (0.25 ml) with a pointy 29-G needle. The method turned into concluded with the injection of HA within the nasolabial fold upper lips (some other syringe of Restylane become finished-1 ml). Important anatomical concerns encompass the superficial vascular network and the capacity threat of intravascular injections. Serious headaches inclusive of blindness and facial skin necrosis were pronounced after HA injection within the nasal and periorbital region.

Ultrasonography (US) is an excessive-resolution imaging technique this is precise for tender-tissue evaluation and that can provide a wealth of statistics before, all through, and after scientific approaches. While US of the facial area have no longer been significantly explored, it may provide crucial info to assist inside the planning and execution of approaches. To evaluate the facial location, that is anatomically difficult, carries many tissue sorts, and has shallow anatomical structures, the use of a high-frequency (7-20 MHz) linear US probe is ideal. Another important function of the face is the

widespread vascularization in the oral and maxillofacial vicinity, which can be found thru the Doppler Effect. Currently, US checks aren't constrained to radiology clinics and have steadily grown to be more accepted in scientific settings via using transportable equipment. The evaluation of anatomical structures can be accomplished in actual time, increasing the safety of the affected person and the operator. Thus, processes which include biopsies, aspirations, and injections can be completed with fairly excessive precision and accuracy.

Filler injections in the facial areas have grown to be more famous in current years because of the emergence of new technologies and formulations of the goods used. However, an essential precaution regarding the stomatognathic machine pertains to its association of esthetically and functionally essential structures in close proximity to every other. Facial fillers are synthetic substances that are used in smooth facial tissues for esthetic purposes and constitute an opportunity to invasive surgical treatment. One widely-used filler is hyaluronic acid (HA). HA offers more than one blessings, which includes high biocompatibility, perfect physiochemical residences, and high stages of biosafety when injected properly. Although technological advances have made HA fillers more insoluble, resulting in extended 1/2-lifestyles, they are nevertheless degraded and absorbed in vivo and may show off one of a kind patterns of diffusion and distribution across the injection site over the years. US is an powerful manner to anatomically evaluate the vicinity of HA injection and to monitor the dynamics of the cloth within the surrounding tissue. Through US, it's miles feasible to verify the places of and relationships between essential structures, including vessels, muscle groups, and glands - which may also affect the injection manner - similarly to monitoring the motion of the filler through the tissue.

The region of injection differed for the two sufferers, as did the HA filler used. In the primary affected person (a fifty seven-12 months-vintage girl), the Perfecta Subskin (Sinclair Pharma, Paris, France) filler become injected into the bilateral jaw angle region at a attention of 20 mg/mL. This filler is classified as biphasic and has a heterogeneous composition inclusive of cross-linked HA debris in a carrier of non-cross-linked HA debris. The system turned into advocated due to the fact sagging jowls in the posterior jaw resulted in an aged look. Through the filler injections, we sought to sell the lifting and definition of tissue angles on this area.