

World Congress on  
**DERMATOLOGY RESEARCH**

April 22, 2022 | Webinar



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### Soft tissue compartments – face aging base. Etiology of tissue ptosis and how to fight against it properly. The work is based on three-year anatomical research.

**Introduction:** Minimally invasive aesthetic medicine has made steady progress in recent years. Specialists easily manage problems of face aging concerned with skin aging, soft tissues, mimic wrinkles atrophy. But one of the most important reasons of face aging is ptosis of soft tissues and skin. Unfortunately, earlier there was offered only surgical treatment for given problem. Skin was exfoliated from underlying tissues and shifted surgically not considering any anatomic features of face soft tissues, for example, rhytidectomy. Since last years, it is offered to solve this problem by thread lifting. But unfortunately, in most cases threads are placed without any consideration of anatomic features of face soft tissues.

**Materials and methods:** There was organized 7 cadaver-courses and applied more than 100 cadaveric materials for study of anatomic features of face-compartments soft tissues ptosis. During cadaver-courses there were invited 4 pathologists from different countries and more than 200 specialists in aesthetic medicine area (dermatologists and plastic surgeons).

Before starting to work pathologists described structure of face tissues based on anatomy and prepared materials as well. Afterward, doctors applied different rejuvenated methods as thread lifting, fillers, skin surgical lifting. With this procedure completed the tissues of cadaveric materials were prepared and there was evaluated effectiveness of various methods for fight against soft tissues ptosis. There were discovered all swings and roundabouts of different methods and were determined reasons of complications and relapse occurrence. After each cadaver-course there was gathered consultation of attendee doctors for results discussion.

**Results:** As a result of performed research lasted for 3 years it has been possible to find out the direction of each face compartment ptosis, to determine etiology of any wrinkles appearance on the face, to select correct methods for fight with given problem and also to determine the reason of many complications and appeared relapses.

During this period the given methods were actively applied in the practice for patients and have proved its effectiveness.

**Discussion and conclusion:** Results received during the research process are discussed by specialists in aesthetic medicine. Knowing etiology of face aging processes, the doctors will easily find way of solving the problems by selecting more correct, safe and effective treatment methods.

#### Recent Publications

1. Diaspro, Alberto & Kadzhaya Kajaja, Albina & Sulamanidze, George. Hyaluronic Acid Threads for skin improvement. Prime, 2020, 10, 12-16.
2. Nikishin, Dmitrii & Sulamanidze, George & Kadzhaya, A. Histological examination of the implantation area of lifting threads based on poly-l-lactic acid (pla) coated with hyaluronic acid (ha) in a long-term experiment (1 year). University proceedings, 2020 Volga region.

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Medical sciences.

3. Tea, Mchedluri & Sulamanidze, George & Tinatin, Xoxobashvili. Habitat of the east caucasus tour in lagodekh reserve. Journal of biology and ecology, 2020, 2. 40-45.

**Biography**

George Sulamanidze is a Plastic Surgeon and inventor of Aptos threads and methods from Tbilisi , Georgia. His scientific publications are published in several high value Aesthetic and Plastic surgery journals that have been cited.

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