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The use of tropocollagen in aesthetic medicine

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The modern conception of the aging process is that it occurs in all tissues of the face, neck, and décolleté, and is connected with the gradual loss of collagen and reduced regenerative capacity. Changes in the innermost facial muscles include an increase in muscle tone, muscle mass, functional tension leading to wrinkle lines and dermo-muscular folds. Elongation of the muscle bellies leads to a lowering of the brow line or the occurrence of loose skin folds in the jawline and neck area. There is also a functional predominance of lowering muscles with age, making the face look sad and tired. Changes in the skin mainly affect collagen – reduction of synthesis, increased degradation processes, and a slowdown in fibroblast cell division.

The facial ligaments play a very important role in the aging process, which supports the three-dimensional structure of the soft tissues and skin of the face and maintains tension between the skin and the tissues lying deeper, thus firming and stabilizing the entire complex. The answer to progressive age-related changes is collagen injections, dedicated to specific tissues of the face, neck, and décolleté area, administered at the appropriate depth. The MD-MUSCLE administered to all mimic muscles regenerates the muscle structure and relaxes it, providing the basis for treatments for the skin. In skin treatments, MD-TISSUE injections are used, in intradermal punctures, to improve tissue density and thus improve firmness and appearance. Additionally, in areas of the true and pseudo facial ligaments, MD-TISSUE injections are deepened to support their structure and elasticity.

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