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The future of biostimulation: aurigraft

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Biostimulation represents one of the most performed treatments of Aesthetic Medicine and is incredibly relevant in the prevention of skin aging. Some years ago we could only use biocompatible heterologous substances such as PDRN or Hyaluronic Acid.

However, in the last years it is possible to use autologous substances in the prevention of skin aging.

Plastrinic gel, used since many years in others medicinal fields, is now used also in the biostimulation and skin rejuvenation treatments. Thanks to its high platelet counts, Platelet Rich Plasma facilitates and stimulates tissue restoration and regeneration releasing a multitude of growth factors.

Besides, thanks to a recent study performed on adipose tissue we discovered the presence of stem cells inside its vascular stroma. We began to treat the adipose tissue in a different way from the usual, i.e. lipofilling, and to use it as a substance for biostimulation.

Inspired by Dr. Tonnard's articles, the authors started a personal experience in the treatment of biostimulation with adipose tissue collected with micro-hole cannula and then centrifuged and emulsified.

First results were so encouraging that the Authors tested some technical variations which could substitute the graft. The results were even better than they thought.

Besides, in cooperation with the Department of Specialistic, Diagnostic and Experimental Medicine of Bologna University, the Authors carried out biological studies with different protocols on typification and vitality of cells in extracted tissue samples, because there were still no exhaustive studies on types of extracted and implanted cells.

The obtained results are very interesting and make us hope that this experience can bring some clarification in a field where empiricism and rationalism are still too much important.