

## STIMULATING CAPACITY OF ORGANIC POLYMERS PDO, PLLA AND PCL IN DIFFERENT FORMS: GELS, PARTICLES AND THREADS, WHICH IS BEST?

Author: Inigo De Felipe

**Introduction:** The situation today is that “Dermal fillers” is the prevalent concept. Almost 80% of the fillers used are HA because they are relatively inexpensive, provide nice and quick results. But Dermal fillers are not really dermal and the exact reason why we age is because we loose collagen and fat. Excessive use of fillers can induce the Overfilled Syndrome, unnatural results or granulomas.

**Materials and Methods:** we review the use of Poly Lactic Acid (PLLA, PDLA, PLA), Polycaprolactone, Polydioxanone, Exosomes and Mesenchymal cells in the stimulation of collagen and we compare their results and literature.

**Discussion/Conclusion:** Dermal Stimulators are very safe if used with appropriate doses and dilutions. There is a good range of options and is part of what is known today as Regenerative Medicine but requires educated patients and trained doctors.

Keywords: PolyLactic, Poly caprolactone, PDO, Exosomes, Mesenchymal cells, renegerative medicine.