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## Long lasting fillers

The field of facial aesthetic surgery is experiencing explosive growth in non invasive and minimally invasive procedures. Biosynthetic fillers such as Ca hydroxy apatite, Polycaprolactone and poly L Lactic acid are biodegradable fillers and considered to be long lasting fillers. Poly L lactic acid was the first one to be used in aesthetic surgery it is a polymer that provides soft tissues augmentation through stimulation of an inflammatory tissue response with subsequent collagen deposition. Ca hydroxy apatite and Polycaprolactone each consists of a gel carrier and the Ca hydroxy apatite spheres and Polycaprolactone spheres respectively, that once injected in the subcutaneous space, the gel is slowly absorbed, what remains is a matrix of material which will take the characteristics of the cell that repopulate. When injected into the tissues space, fibroblast produces collagen. The author's clinical experience with these three long lasting fillers will be presented.

## Biography

Sahar Ghannam was graduated in 1983 from Alexandria University Egypt with a Master Degree of Dermatology, Venereology & Andrology in 1986. She received a PhD in 1994 with a thesis on chronological aging, photo aging and ionizing radiation effects on the skin in 1995 a board examination was passed to successfully achieve Doctorate Degree of Dermatology Venereology & Andrology. During that time she upscaled in the University positions from a teacher assistant until Associate Professor in Alexandria University. Since that time, she has been interested in aging and anti-aging procedures. She is a Board Member of the International Society of Dermatologic Surgery (ISDS) and the Executive Director of the International Peeling Society (IPS). She is the co-author of the Chemical Peel chapter in the 3rd edition of "Surgery of the Skin" published by Elsevier. He has published over 20 scientific papers. She is the Editorial Advisory Board of the *Indian Journal of Dermatology* and the *Journal of Clinical and Aesthetic Dermatology*. She travels a lot lecturing and teaching but also learning.

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