



Regenerative Medicine in Paediatric Age

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Abstract:

Actual indications of PRP, lipofilling and SVF therapies to reconstruct defects in children. Biocompatibility and disponibility have guaranteed the frequent use of adipose tissue as graft to reconstruct soft tissue defects of the face, above all, in paediatric patients, in wich survival was apreciated superior and in wich implantation of other materials may origin complications and secuelae at very early ages. A survival analysis has been realized with the stereologic method in order to quantify the grafts take tax and to study differences between adult and childhood groups. This volumetric analysis evidenced a high survival of fat grafts in infants (93%), significantly superior than in adults (63%) in fifteen months follow-up, allowing us to conclude that these regenerative techniques offer a real guaranty of success, although partial and non-ever lasting, with good clinical results in selectioned paediatric patients.

Biography:

EDUARDO SERNA CUÉLLAR is a Basic investigator in several areas of Plastic Surgery: Autologous Fat Grafts Survival on the face; Translational investigations with adult stem cells; Protocol of extraction and processing of ADC and SVF cells from adipose tissue; Epidemiology and basic techniques of hair transplants; Safety of breast implants and breast meshes; Clinical use of fillers in Aesthetic Medicine.



Publication of speakers:

1. Serna-Cuéllar, E. & Santamaría-Solis, L.. (2013). Protocol of extraction and processing of adult stem cells from abdominal adipose tissue: Coordinates of the plastic surgeon in translational researching. *Cirugía Plástica Ibero-Latinoamericana*. 39. S44-S50. 10.4321/S0376-78922013000500012.
2. Santamaría-Solis, L. & Serna-Cuéllar, E. & Ingelmo, Ildefonso. (2013). Aplicación de técnicas estereológicas para la cuantificación del tejido adiposo. *Cirugía Plástica Ibero-Latinoamericana*. 39. s74-s81. 10.4321/S0376-78922013000500016.
3. Serna-Cuéllar, E. & Santamaría-Solis, L.. (2013). ¿Cuál es la supervivencia de los injertos de grasa en la cara? ¿Cómo cuantificarla?: medicina basada en la evidencia. *Cirugía Plástica Ibero-Latinoamericana*. 39. s82-s89. 10.4321/S0376-78922013000500017.

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