Fat transfer: Why is so common?

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Renewed interest in techniques using the patient's own fat for cosmetic and reconstructive plastic surgery has been noted in recent years. The use of fat grafting dates back to 1889 when Van der Muelen described the first use in human autotransplantation, closely followed by Neuber in 1893 that used it to fill a soft depression in the face of a woman. In 1910 Lexer published the first report with regards aesthetic medicine. In these procedures, fat harvested from one part of the body is washed (paying attention not to break it), purified and after transferred to other areas; for example fat obtained from a liposuction can be used for breast augmentation, reshaping, and facial rejuvenation. Many patients are always looking out for the most natural types of treatment they can find and the thought of an invasive cosmetic procedure make often delay or postpone a procedure. Fat grafting is an alternative easy and fast procedure to produce, good results with minimal risks, and lasts a long time, and involves the use of biomaterials mainly. All these factors bring a lot of patients continue to prefer this treatment. Once injected in the specific area that need to be treat, fat offers a matricial support to angiogenesis, stimulates the proliferation of pre-adipocytes. In this way patient can have benefits in case of facial deformities or post- surgical defects as well as to recapturing a youthful appearance, eliminating wrinkles, restoring harmonious volumetric facial and body ratio and regaining the wanted contour. Patient regain self- confidence and assurance just like any other cosmetic procedures but without having scars in a natural way, like it is suppose to be. Of course, not all fat grafting is the same because different problems require different solutions. Based on this, we have methods of fat harvesting, method of cells processing, method of transplantation and method of recipient site. There are many factors to be taken into consideration such as the state of the tissue in the recipient site, possible inflammation or the resorbable fat ratio. However, it has a big potential in vast reconstructive and aesthetic procedures.

Biography

Mucio Joao Porto is a Plastic Surgeon from Brazil, by Prof Ivo Pitanguy at Pontifical Catholic University of Rio de Janeiro and a master in Aging Studies by Catholic University of Brasilia. He is also Invited-Professor at College of Medicine, Catholic University of Brasilia. He is an International Lecturer. Furthermore he is the Owner of Mucio Porto Clinic of Plastic Surgery and Aesthetic Medicine in Brasilia, Brazil. He completed the course in medicine at the Federal University of Goiás, in 1985. He accomplished internship at a public hospital of Sao Paulo and residency in general surgery at the Hospital of the Armed Forces in Brasilia in 1988. Subsequently he has been approved in the course of specialization in plastic surgery by the Catholic University of Rio de Janeiro, Professor Ivo Pitanguy service from 1989 to 1992 and received title of Plastic Surgeon, ranked first among physicians of various parts of the world. He has travelled around the world to solidify his knowledge in teaching centers such as Baltimore, New Orleans, Philadelphia and Miami in the U.S. for training in facial peels, videoscopic facial surgery, hair implants and breast augmentation with adipose stem cells. He has also attended the French Institute of the hand and liposuction clinic of Professor Ives Gerard-Illous in Paris, France. In addition, he participated in visits to the Cantonal University of Geneva in Switzerland, Breast Reconstruction Institute of Genova, and University of Milan, Italy, among others. He also completed masters in studies of aging - Gerontology - Catholic University of Brasilia in 2008, where he passed with honors with a dissertation on "The nose on Aging, a study through self-portraits." Presently he is a PhD candidate in Genomic Sciences and Biotechnology, which aims to study the role of stem cells in aging. He is a visiting professor in the Masters of Gerontology and Faculty of Medicine and a member of several medical societies such as the Brazilian Society of Plastic Surgery, International Society of Aesthetic Plastic Surgery, among others. He has presented scientific papers at various medical meetings in Brazil and in several countries as well as writing book chapters nationally and internationally. He has received numerous titles and awards as an indication for the “Who’s Who in the World” and “Educators of the World 2010 “Biographical Institute of Cambridge in the UK. Prof Porto practices currently in the trendy district of South Lake in Brasilia, capital of Brazil.

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