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LEWIS J. OBI, M.D.
OBI PLASTIC SURGERY AND THE
CELL SURGICAL NETWORK OF FLORIDA

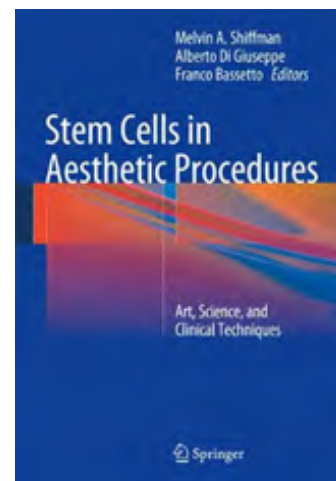
Integration of Adipose Derived Stem Cells in Plastic Surgery

By Lewis J. Obi, MD, ABPS, FRSA



Interest in the use of stem cells in plastic surgery procedures has been increasing rapidly, reflecting the widespread acknowledgment of the tremendous potential of stem cell fat transfer. Because of FDA restrictions and the need for Institutional Review Board guide lines, very few plastic surgeons in the U.S. have integrated advanced techniques of fat grafting. Because of this diverse and in depth background, Dr Lewis Obi is perhaps in the forefront of private practice plastic surgeons who are exploring this

area. Five years ago, Dr Obi was asked to write a chapter in the first book ever to be published on the use of stem cells in aesthetic procedures. Springer Publications released the book in 2014:



The above photographs include pre-op, early post-op and 5 years post CAL to face.

Chapter 29 entitled “Specialized Stem Cell Fat Transfer to Face” written by Dr. Obi describes his early application of Dr Hee Young Lee’s Medikan Lipokit fat processing unit. In 2010, Dr Obi met Dr Kotaro Yoshimura and began digesting Lipokit processed fat with collagenase to produce SVF (stromal vascular fraction). The addition of SVF to processed fat known as CAL (Cell Assisted Lipo transfer) is a technique published by Dr Yoshimura in 2007. Five years ago Dr Obi performed his first CAL procedure on a 50 year old with advanced photo aging.

From Aesthetic Procedures to Reconstructive Surgery

To date, more than 300 patients have been treated by Dr Lewis Obi with the Lipokit (Adivive™) specialized fat grafting technique. In 2012, Dr Obi joined the California Stem Cell Treatment Center which evolved into the Cell Surgical Network (CSN) USA. Since then he has been lecturing at numerous symposiums on stem cell fat grafting, 3D imaging and 3D bioprinting. The most recent was the SelectBio Symposium

in Boston on 17-18 March 2016 on “Tissue Engineering, Biofabrication and 3D Bioprinting in Life Sciences”. Included in his Boston presentation was a case study in which Dr Obi was able to avoid the use of an autologous flap with the novel use of Seri silk mesh as a scaffold for SVF (80 million stem cells) to thicken skin coverage for a 410 implant reconstruction.

Integration of Regenerative Medicine into a Plastic Surgery Practice:

By 2013, Dr Lewis Obi established Cell Surgical Network of Florida with the integration of specialists in the fields of pain management, orthopedics, urology and other specialties.

Last October, Cell Surgical Network of Florida sponsored a successful stem cell symposium which was co-hosted by Memorial Hospital of Jacksonville. Co-founders of CSN, Dr Elliot Lander and Dr Mark Berman were major speakers and conducted a work shop at Dr. Lewis Obi’s plastic surgery clinic.