



Two years ago I integrated the Canfield Vectra XT™ 3D imaging system into my practice. Surgical scaffolds for our stem cells currently include processed fat, PRP, synthetic fillers, textured implants and last year we were the first to use silk mesh (Seri™) as a stem cell scaffold. This combination was applied in a major breast salvage procedure thereby avoiding a major autologous flap procedure.

The patient shown in Fig 1. benefited from several advanced technologies which I have been instrumental in developing during the past six years. These include the SlimLipo non-surgical breast lift and body sculpting laser. I was one of the first to integrate Palomar's SlimLipo laser plat-



Fig 1.

form into my practice and pioneered its use in the breast. 3D imaging, Natrelle™ 410 gummy bear implants and Seri™ silk scaffold were also utilised. Finally, 80 million counted viable stem cells were added to the silk mesh scaffold which resulted in 10 mm or more of native tissue regeneration.

“Our team at CSN of Florida are treating arthritic joints and sports injuries. In the near future we will be treating spines, neurologic disorders, spinal injuries, myocardial infarctions, erectile disorder, interstitial cystitis and a host of other conditions utilising the patient's own fat derived stem cells.

We are also on the fast track to integrate advanced 3D imaging with 3D printers so that we can possibly print out ears, knee menisci, heart valves and a host of other tissues with a living ink. In my opinion, this is one of the major frontiers of medicine.

Why is a plastic surgeon the medical director/team leader of the stem cell team? Nobel laureate Dr. Joseph Murray, with a team of 10 different specialists, performed the first kidney transplant in 1954. Dr. Murray was a plastic surgeon.

Lewis J. Obi M.D., FRSA, is a board certified plastic surgeon who established the first licensed plastic surgery centre in Florida. More recently he established a unique stem cell centre, Cell Surgical Network of Florida. As an innovator, he has pioneered many procedures and recently worked extensively with lasers and also stem cells derived from adult fat. He has lectured internationally on these topics. His love and passion for art expressed through his international firm of Obiarts resulted in the induction of Dr. Obi as a fellow to the Royal Society of Art, London (FRSA) in 1986. Obiarts has contributed world class art to dozens of major museums and institutions.