

## Case Study of Richard DeAndrea, MD., age 44 years, Fat Graph with Autologous Stem Cell Treatment



Dr. Richard DeAndrea is 44, and was born in Hell's Kitchen, New York City. The struggles of inner city living inspired him to study medicine in order to help people. Dr. DeAndrea went on to receive a scholarship to study at the State University Health Science Center of New York where he graduated Summa Cum Laude. Then after finishing medical training at Cornell University Lennox Hill Hospital, he decided to study the integrative approach to healing.

In 2005, Dr. DeAndrea experienced a surfing accident that could have left him with severe brain damage for life. Fortunately, all that was left as a souvenir was a defect on the right side of his skull.

### **Here is his recounting of the events that lead up to his use AdiStem's Stem Cell Technology...**

*"I hit a rock head-on and received a blunt object injury on the right top quadrant of my skull. This blow caused one of the two arteries that supply blood to the brain...the middle meningeal artery, to be exact, to tear. My brain cavity filled with blood forcing my right hemisphere to the left, almost all of my brain was on the left side when they opened my skull.*

*The pressure would not drop and I was placed in a coma and put on respiration and circulation to keep my brain and body alive. There were three operations needed to control the pressure in the skull. They finally decided to cut out the skull on the right side to keep the pressure under control.*

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*I spent the next 6 weeks in the ICU at UCLA medical center. Almost everyone, including my surgeon believed that I would be brain damaged. I was supposed to be paralyzed. But I recovered within a short period without any problems.*

*Within a month they tried to put my skull back, but the bone did not take. They tried to fill the gaps in my head and the defects with a substance called Restorin. I was told later, by the Chief of Plastics at UCSF that they should have never used the substance, because it would be reabsorbed within 6 weeks. Not to mention, that they could have accidentally injected the Restorin into my brain. This would have caused brain damage I had narrowly escaped.*

*Eventually, my skull (bone) was removed and the right side of my head was replaced with a titanium composite, but this left me with a significant defect of approximated 3 inches by 2 inches in size and 1/2 inch deep. I decided to live with the defect for fear that it would not be worth the risk for a correction. By this time, the cost for my surgery, including the cosmetic surgery for the defect had climbed to 350,000 USD.*

*Finally, I decided to try the reconstructive therapy with AdiStem's autologous adipose stem cell technology and a common fat graft technique, on April 23, 2010. The overall procedure took three hours to complete. I walked into the hospital for the procedure at 8 am, and left after having sufficiently recovered to have lunch at 14.00 pm.*

*It has been approximately two months since the treatment procedure. There have been no side effects from the procedure. The headaches, that had been a chronic issue (occurring every 3-4 days for 3 years), have subsided and thus far I have retained 90% of the implant.*

*I am very satisfied with the results and will use stem cell therapy in my own practice and thus far have referred over 100 patients for an autologous stem cell treatment."*



## **The procedure...**

300 cc of fat was taken from the abdomen and processed with AdiStem's proprietary stem cell technology to isolate the stem cells.

An extra 250cc of fat was taken from the patient to be used in the fat graft (injected into defected area)

50 cc of blood was taken from the patient from which PRP (growth factors) were extracted and mixed with stem cells

The PRP and stem cells (in one syringe) were then activated in AdiStem's LED

The patient's fat combined with activated cells were injected into the area.

Before and After picture of fat graft combined with AdiStem's Stem Cell Technology



**Before Fat Transfer**



**One Week after Fat Transfer**