



BIOSCIENCE CLINIC IN DUBAI, A REGENERATIVE MEDICINE CENTRE, IS THE ONLY ONE OF ITS KIND IN THE MIDDLE EAST

**T**he recent years have spawned a plethora of cosmetic and aesthetic clinics in the UAE and Middle East region. However, one that dares to be a potential game changer is the Bioscience Clinic situated in Healthcare City, Dubai. Launched in the year 2014, it has its genesis in San Marino near Italy, with centres in the cities of Rome and Milan.

The clinic's revolutionary offering of the Adipose-derived stem cell therapy is what distinguishes it from the other aesthetic centres. Hinged on a natural mechanism, autologous stem cells are collected from a person's own fat tissues to enhance one's appearance. Some of the treatments include anti-aging skin, body shaping, wrinkle filling

## BEAUTY MEETS SCIENCE

by Mitchell D'Souza

and hair loss, among a host of others. Minimally invasive, the procedure is undertaken with precision and using state-of-the art technology, powered by an able team of biologists and doctors.

In a chat with *Panorama*, the CEO and founder of Bioscience Clinic Middle East, Dr. Giuseppe Mucci, touched upon this groundbreaking new therapy to reach our shores and its many benefits vis-à-vis conventional plastic surgery.

**There are plenty of cosmetic surgery clinics in the UAE. What makes Bioscience unique?**

Bioscience is not a cosmetic surgery clinic, but it is the only regenerative medicine centre in the Middle East that offers unique therapies using Adipose-derived stem cells extracted from your own fat tissue.

The treatments are completely natural and safe without using artificial components



Dr. Giuseppe Mucci, CEO of Bioscience Clinic.

such as Botox, fillers and implants. Adipose-derived stem cells will help the regeneration of body tissues. Not only do these stem cells improve the tissues (e.g. skin aging) of the body, but they also guarantee volume retention in breast and buttocks augmentation without implants.

**What is Adipose-derived stem cell (ADSC)**

**therapy all about?**

The therapy with ADSC starts with the collection of a small amount of fat from your own body (approximately 20cc) during an outpatient procedure (quick and painless). Bioscience Laboratories receive the collected fat and within 14 days the extracted stem cells from the fat are ready to be used. The laboratory usually produces 20 vials of cells that can be used to perform multi-purpose treatments. ADSCs are then injected in the tissue area of your body where the treatment is required.

**What is the difference between ADSC therapy and the more commonplace plastic surgery?**

Plastic surgery cannot reverse the aging of tissues; however, with ADSC treatment, it is possible to replace old and damaged cells. All other treatments that do not use stem cells can treat the symptoms of aging but not aging itself. An example common in plastic surgery is filling wrinkles without improving the tissue of the skin, as opposed to ADSCs, which does the action of renewing the skin.

The plastic surgeon can implement the use of stem cells to have better results not only in skin aging, but also in breast and buttocks augmentation, because using stem cells generates a natural result.



A biologist at work in the Bioscience laboratory.

The difference between common plastic surgery treatments and ADSCs therapy is that the stem cells do not cause reaction or rejection by the body, because no artificial components are injected into the skin. The treatment is totally safe, biological and personalised.

**Who should be seeking out a treatment like this?**

The target group of our treatment includes individuals who are looking to slow the action of aging skin. Using stem cells, it is possible to reduce skin aging, but it needs to be done before the skin gets old.

Also, people who use Botox to improve wrinkles should opt for ADSCs to renew their skin.

This treatment is ideal for women who would like to perform breast or buttock augmentation without having to use implants that lend an unnatural appearance and feel.

**What are your most popular treatments?**

The most popular treatments of Bioscience are usually aging skin care, wrinkle filling, scars and stretch marks removal, body shaping (breast and buttock augmentation) and hair loss.

**What should a person keep in mind before opting for a treatment using ADSCs?**

Patients should keep in mind that natural treatments require more time for results to appear compared to conventional methods like filler or Botox. However, the benefit of using ADSCs is that it's long lasting and stable.

**What is the average time taken for results to show up after treatment?**

It depends on the type of treatment; for rejuvenation (combats dryness and flaccidity of skin), the results are visible starting from two weeks and they improve throughout the first year. In the case of body shaping, results can be observed immediately. As for scars treatment, it

takes approximately two months.

**Should one be worried about side-effects and reactions post an ADSC treatment?**

LIPOSKILL (ADSC treatment) does not have any side effects except for bruising and redness after mini-liposuction for the collection of fat.

**The Dubai branch of Bioscience is mostly concentrated with beauty and aesthetic corrections. Do you also treat medical conditions?**

Bioscience also uses ADSCs to treat osteoarthritis (cartilage and bone degeneration). It uses stem cells collected from a patient's own fat to treat the painful orthopedic ailment of the knees, hips, shoulders, ankles and other joints.

This treatment uses the regenerative components of your body's fat cells to repair the degenerative conditions of bone and cartilage that may arise due to aging or trauma.

**What are your future plans for Bioscience as a brand?**

I am currently working on expanding business by opening branches elsewhere in the Middle East and Asian markets and spreading awareness about the usefulness of ADSCs in the medical field.

To know more about Bioscience Clinic, visit their website: [www.bioinst.ae](http://www.bioinst.ae)