



Healthcare

Bioscience Institute Introduces Regenerative And Preventive Medicine Initiatives In UAE

By  **Ola Noureldin** Forbes Middle East Staff Feb 27, 2024, 10:13 AM



Giuseppe Mucci, CEO and founder of Bioscience Institute. Image by Bioinst / website

Since 2013, the Bioscience Institute has spearheaded innovative healthcare initiatives across the Middle East region, notably in the UAE, centered around stem cell applications for various medical purposes. Additionally, the institute has introduced a modern cancer prevention tool, enabling early detection, marking a significant advancement in the region's healthcare sector.

Regenerative medicine

The Bioscience Institute, with operations in Italy and the UAE, has introduced the latest innovative regenerative medicine protocols based on adipose-derived stem cells.

If grown with specific protocols for about two to three weeks, the stem cells give exciting results for applications related to regenerative medicine.

This is now made possible due to the cell culture protocols developed and updated by the research and development (R&D) department of the institute over the last 16 years.

Scientific research has now conclusively demonstrated that stem cells from fat manipulation are useless for effective treatment if the cells have not been previously extracted and cultured for at least two weeks.

These stem cells, obtained at any age, address skin aging, hair loss, erectile dysfunction, premature ovarian failure, osteoarthritis, and other diseases. Through innovative procedures, it is possible to restore organ and tissue function damaged by aging, trauma, and diseases.

Expanded stem cells can be used for multiple treatments because, once stored, expanded cells retain their quality indefinitely. Bioscience guarantees at least two years of stem cell banking that can be extended for up to 20 years.

Preventive medicine

The institute has also introduced HELIXAFE, an innovative program focused on cancer prevention in the Middle East region, as part of its groundbreaking approach to tackling cancer.

HELIXAFE identifies early signs of cancer by analyzing biomarkers during the stage when healthy cells start showing changes that could lead to cancer. This innovative approach aims to catch cancer drivers early, focusing on factors like genomic instability to prevent cancer development.

"We need a simple blood collection, and after we release results in three weeks. If the results are positive, we devise a chemo-preventive therapy to mitigate the risk of cancer development in a healthy individual who is in prodromal cancer condition," explained Giuseppe Mucci, CEO and founder of Bioscience Institute, in a statement. He added that there are ways to detect not just breast cancer but also lung, colon, and prostate cancers.

Test costs vary in a range that starts from \$554 (AED 2,000).

Surprising fact

Bioscience Italian Institute is the only MOH-certified stem cell lab in the Middle East. It operates in Rome, Milano, San Marino, and Switzerland and was launched in 2007.

What to watch for

According to a company statement, Bioscience Institute is eyeing expansion in other GCC countries.



Image by Bioscience Institute

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Ola is an Egyptian desk editor at Forbes Middle East. With almost a decade of business and multimedia journalism experience, her writing helps bring readers engaging content and assists publications reach an ever-growing global audience.

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