

# AQ Skin Solutions' GFIT Technology Intensifies Benefits of Growth Factors



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The future of modern medicine is moving toward a regenerative approach where different specializations are beginning to integrate advancements from research outside of their field and incorporate these findings in their practice for optimal results.

Known for their regenerative function and incredible therapeutic potential, growth factors (GFs) have proven to be critical for the stimulation of growth and proliferation in living cells. GFs are natural signaling molecules excreted by various cells, but particularly fibroblasts, the most common cells of connective tissue. Today, the topical application of growth factors has been acknowledged for its many benefits. Immunologist and inventor, Ahmed Al-Qahtani, Ph.D., studied growth factors while researching the stages of wound healing in third degree burn patients. He found the complexity and coordination of the cell signaling molecules have a direct effect on cell proliferation, migration, chemotaxis and angiogenesis in the healing phases. Their ability to easily penetrate bare skin and enhance the immune response triggers secretion of other vital growth factors necessary to repair the skin. His research inspired the invention of AQ Skin Solutions' (Irvine, Calif.) pharmaceutical-grade growth factor cosmetic line.

While the discovery of growth factor technology was at the forefront of

immunology, the application of growth factors proved to be an equal breakthrough for aesthetic and therapeutic medicine because of the high-speed recovery, reduced downtime and improved results.

Effective delivery methods of GFs largely depend on the fragility of their structural conformation prepared with the correct formulation since these very delicate peptides degrade easily. Utilizing advance cell sorting technology, AQ Skin Solutions perfected a proprietary blend of selective, anti-inflammatory GFs essential for skin, hair and vaginal rejuvenation. Growth factors also help stimulate collagen production in connective tissue cells, which deliver superior, long lasting results. With three patents to date, AQ continues to formulate highly effective and stable GF serums throughout the world.

AQ Skin Solutions Growth Factor Induced Therapy (GFIT) intensifies the benefits of patented GF technology by increasing the penetration of GFs into the dermis. This helps to stimulate a cooling sensation, minimize the risk of scarring, signal re-epithelialization for better results and a quicker recovery period. The future of GF technology is advancing rapidly as scientific research continues to innovate and capitalize on this therapeutic potential.

This new frontier has paved the way for many scientists and physicians to explore the possibilities of advancing their practice and improving their results with the proper delivery of the correct concentration and combination of appropriate growth factors. Worldwide, orthopedic surgeons are incorporating the pharmaceutical grade AQ Recovery Serum to prevent scarring after total knee replacement surgery.

AQ Skin Solutions has pushed the boundaries of cosmetics in an effort to provide a topical, hormone-free solution for vaginal dryness, a common condition

among menopausal women. AQ's Vaginal Rejuvenation System utilizes GF technology to rejuvenate vaginal function. It has also proven to complement the healing phases following application of aesthetic vulvovaginal therapies such as radiofrequency energy.

Physicians and researchers alike are beginning to think at the molecular level since it is known that the body is such a dynamic, adaptive system of highly organized networks that are constantly interacting. Integrative medicine is on the rise as the collaboration of holistic health and conventional medicine continues to innovate. It will be great to witness more scientific evidence surface that validates the versatile, therapeutic potential of growth factors in many specializations.



Acne before Tx



After six weeks of using AQ Recovery Serum  
Photos courtesy of AQ Skin Solutions