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EDUCATION

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Gold's unique ability to modulate immune responses and reduce inflammation has also been linked to its impact on the gut-bone axis, where it fosters a healthier gut microbiome.

by Dr. Sharmila Tuplule January 15, 2025

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Gold has been a cornerstone in medicine for centuries, appreciated for its exceptional anti-inflammatory, anti-arthritic, and immune-modulatory properties. This article explores the

modulatory properties. Historically, it was a key treatment for autoimmune conditions such as Rheumatoid Arthritis. Gold's unique ability to modulate immune responses and reduce inflammation has also been linked to its impact on the gut-bone axis, where it fosters a healthier gut microbiome. Ancient healing traditions like Ayurveda have long celebrated gold as a potent immune booster, incorporating it into formulations for vitality and strength. In fact, it, in liquid form, is still used as a vaccine in young children.

However, despite its benefits, the use of direct gold injections declined over time due to concerns about potential side effects and the lack of precise delivery methods.

What is GOLDIC?

Modern medical advancements have brought gold back to the forefront of therapeutic innovation with Gold Induced Cytokine Therapy (GOLDIC). This cutting-edge regenerative treatment harnesses the natural healing properties of gold to address a range of inflammatory and degenerative conditions. GOLDIC is particularly effective in managing chronic conditions such as osteoarthritis, sports injuries, and persistent **back pain**. Unlike older methods, this therapy is designed to minimize risks and maximize efficacy by stimulating the body's intrinsic repair mechanisms.

How is it processed?

The GOLDIC process begins with drawing a patient's blood, which is then incubated with specially designed gold particles. This interaction stimulates the release of a variety of bioactive molecules, including anti-inflammatory cytokines, growth factors, and regenerative proteins. One of the standout proteins is Gelsolin, renowned for its reparative, anti-aging, and immune-regulatory properties. After incubation, the serum is carefully filtered to eliminate gold particles before being injected directly into the affected area. This targeted delivery system triggers a cascade of biological responses, reducing inflammation, alleviating pain, and accelerating tissue repair.

Science behind GOLDIC

A key element of GOLDIC therapy is its reliance on cytokines, which are critical proteins responsible for regulating cellular growth, differentiation, and immune responses. These cytokines not only activate local stem cells but also enhance their ability to differentiate into specialized cells, promoting robust tissue regeneration. Proteins like G-CSF (Granulocyte Colony-Stimulating Factor) and SCGF- β (Stem Cell Growth Factor Beta) are also vital players, as they mobilize and guide regenerative stem cells to the damaged tissues, ensuring efficient and localized repair.

Where can GOLDIC be used?

The versatility of GOLDIC therapy makes it applicable across a wide spectrum of medical disciplines. In orthopedics, it is a promising treatment for osteoarthritis affecting various joints, including the knees, hips, and shoulders. It also shows significant benefits in managing sports-related injuries, such as ligament tears, muscle strains, and tendon damage. Chronic conditions like tendinopathies—rotator cuff injuries, tennis elbow, or Achilles tendinopathy—respond well to GOLDIC. Additionally, its regenerative and immunomodulatory effects extend to degenerative spinal disorders and autoimmune diseases, including **Rheumatoid Arthritis**, Lupus, and Psoriatic Arthritis.

By blending the age-old therapeutic properties of gold with contemporary scientific advancements, GOLDIC stands out as a non-invasive, effective, and sustainable treatment option. It not only addresses the symptoms but also promotes long-term healing and regeneration, making it a groundbreaking approach in regenerative medicine.

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