

## Dermatology and Cosmetology

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3<sup>rd</sup> International Conference on

## Wound Care, Tissue Repair and Regenerative Medicine

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## Kyung Chun An

*The Cellpia Aesthetic Surgery Clinic, South Korea***Cellular rejuvenation using electromagnetic resonance: Corage**

In the past two decades, a lot of developments were seen in the field of skin rejuvenation. Most of the methods for skin rejuvenation were dealing with heat. Radio frequency, ultrasound, LASERs, etc., all these deal with heat. We could designate them as 'controlled burn' without any blisters. The consequences were having dry and sensitive skin. PRP and Stem cell therapies, however, produce different effects. They have made the skin cells to proliferate and induce good skin textures. But, this method could be uncomfortable for the patient because injecting these materials produce a lot of pain. Here comes a new concept of skin rejuvenation: Corage. It is a device which can stimulate and activate the growth factors and other factors cascade by delivering an electromagnetic resonant wave to cells and extracellular substance. They have found out that these wavelength have various effects on quantum at a molecular level. Thus, this technology is named as QMR (Quantum Molecular Resonance). The simultaneous radiation of 16 frequencies creates new wavelengths. These composite wavelengths create new nature available for resonance with all frequencies within the scope of 4~64MHz. These waves does not produce a lot of heat. This is the main difference between general RF devices which use single wavelength. Resonance, made by this machine, is caused in the molecular units forming a cell. Cell metabolism is activated like its own movement, which leads to cell generation and proliferation. We expect vasodilation, muscle fiber contraction, increase lymphatic activity, etc.. upon using this machine. Studies have shown that epidermis and dermis regenerate by reproduction of collagen and elastic

fibers. The thickness of dermis increase by 0.2~0.3mm after 6 sets of treatments. Facial tissues tighten, thus wrinkles are significantly reduced. The skin is moist after the treatments, and it lasts for several weeks. The texture of the skin improves a lot. Acne, atopic dermatitis, ichthyosis have shown a lot of improvement. Acne scars are significantly alleviated with the use of roller of Corage. Recent advancement of treatment using this machine is the use of needles, both short (3-5cm) and long (10-15cm) needles. This method of treatment lifts up SMAS and instant lifting is achieved and it lasts for about a year after 6 treatments protocol. The new era of skin and facial rejuvenation has arose. Most effective and powerful with minimal invasiveness and pain is key of rejuvenation.

**Speaker Biography**

Kyung Chun An is a cosmetic surgeon, lecturer for several cosmetic fields, i.e. liposuction, botulinum toxin, filler injections, and thread liftings. He is currently working as a clinical professor in Korea University, and a teaching professor of Korea College of Cosmetic Surgery. He has invented 'lifting botox technique,' '5D liposculpture technique' for artistic sculpture of human body with comprehensive design which gives utmost naturally looking results. In 2008, he received 'Top 100 health professionals of the world' award from International Biographical Center for his outstanding works in the field of 'Stem Cell Therapy.' He also has been working closely with many medical companies for promotion of many medical devices, LASERs, fillers and other medical devices. He is one of the first doctors who ran franchise clinic in Korea, which is Natural Beauty Clinic, and was the president of the network for 7 years before he started to build current clinic: The Cellpia Aesthetic Surgery Clinic.

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