At the Skin on Skin Aesthetic and Plastic Surgery, SOSAPS, we have conceived a new vision of a 3-dimensional concept of tissue engineering incorporating the person’s own enriched autologous plasma prepared using SWISS MADE RegenLab technology. SWISS MADE NANO cellular therapy and phototherapy using low-level light source made in Germany for total skin regeneration, CoCAREGEN: the synergistic association of platelet-rich plasma, bio-active cellular extracts and low-level light (laser) therapy.

Autologous-PRP used in combination with NANO extracted cells and Low-Level Light (Laser) Therapy induces:

- Release of the main growth factors involved in skin and soft tissue repair and regeneration
- Autologous therefore non-immunogenic
- Stem cell activation, migration, differentiation and proliferation
- Stimulation of cells such as fibroblasts and endothelial cells, to induce new extracellular matrix deposition of collagen and neo-microvascularization.
- Stimulation of mesenchymal stem cells for structural integrity and firming
- Reinvigorates weak, dormant cells to regenerate fresh energy and vitality

Why Low-Level Light (Laser) Therapy, LLLT, for Skin Rejuvenation?

LLLT or photobiomodulation is the clinical application of light to augment and promote tissue repair and regeneration resulting in healing at the molecular, cellular and tissue level. Non-invasive photorejuvenation of the skin of the face and neck improves photoaged wrinkles and skin laxity. LLLT increases the production of collagen and enhances the microcirculation and vascular perfusion in the skin. In synergistic combination with new cells formation from cell extracts and stimulation of regeneration by platelet growth factors, this 3-dimensional concept of sustained new growth of healthy, living cells induces longevity and youthful looking skin. A fast-growing technology for restoration of function.

Low-Level Laser (Light) Therapy (LLLT) in Skin: Stimulating, Healing, Restoring

Seminars in Cutaneous Medicine and Surgery
32:41-52@2013 Frontline Medical Communications
Prof Dr Michael Hamblin, Harvard Medical School, USA

CoCAREGEN is a visionary 3-dimensional concept based on “feeding the soil, not the plant” in organic farming. Developed by Dr Charles Lee, the principle of “seeds-fertilizer-light” to stimulate new growth of skin and subcutaneous tissue is focused on “feeding the skin, not the person” with natural growth factors and no synthetic additives.

Total skin regeneration using non-invasive, safe and simple, clinically researched science in aesthetic medicine is the art in smart ageing to restore and maintain skin health for life.

For more information on CoCAREGEN:
The Plastic Surgery Clinic
KPJ Sabah Specialist Hospital
No 2, Off Jalan Damal, Kota Kinabalu, Sabah, Malaysia.
Tel No: +6 088 322053 Mobile: +6 0168245224
Email: sabahplasticsurgery@gmail.com
Website: www.sabahplasticsurgery.com
www.facebook.com/hydrafacialkotakinabalu

CoCAREGEN
Stem Cell and Autologous Platelet Therapy
- Autologous Platelet-Rich Plasma, PRP
- 100% Bioactive Cellular Extracts
- 100% Natural & Original
- Total Revitalization
- Total Rejuvenation

INDIVIDUALISED Swiss Cellular and Autologous Platelet Therapy

Charles Lee
The Art in Smart Ageing, where Radiance becomes personal.
What is CoCAREGEN?

The process of cellular growth, renewal and regeneration continues throughout life. The fundamental principle behind CoCAREGEN therapy is Cell on Cell Aesthetic Regeneration for the face and neck.

Incorporating Swiss bio-science and technology, NANO cell extracts of the same tissue type are introduced into the skin to stimulate new cells formation, revitalize and rejuvenate the ageing face and neck. This is then further enhanced by the natural regenerative and healing properties of growth factors in platelets. Cell on Cell or ‘Like on Like’ is the key to unlock the regenerative power of the smart ageing process and promote longevity and the radiance of youth.

Relying on innovative Swiss technology, the REGENLAB technique to prepare Autologous Platelet-Rich Plasma, A-PRP from a small sample of your own blood provides a natural product that minimizes rejection or allergic reactions. Clinical evidence of face and neck regeneration showed good results observed in skin homogeneity and elasticity, creating a volumizing effect that leads to skin revitalization and slow down the ageing process.

CoCAREGEN cellular therapy is the unique smart-ageing bio-science available only at the Skin on Skin Aesthetic & Plastic Surgery clinic (SOSAPS). The natural ageing of your skin is due to imbalance between the rate of destruction of existing cells and renewal of new cells and collagen production. By coupling the process of new cells formation through Swiss cellular technology with the biological stimulation of resident stem cells by growth factors in platelets from your own blood, this dynamic combination of two clinically proven cellular therapies promotes and accelerates the natural process of collagen synthesis and tissue regeneration.

What Is “The Principle of Cell on Cell Regeneration”?

CoCAREGEN’s Cell on Cell Regeneration utilizes the 3-dimensional bio-intensive philosophy of ‘seeds-fertilizer-light’ used in organic farming for replacement of weak and dormant skin and subcutaneous tissue cells of the face and neck.

In the simplest terms, organic growing or farming is based on maintaining a living soil with a diverse population of micro and macro soil organisms. Employing the phrase “feeding the soil, not the plant”, organic matter is maintained in the soil through the addition of organic manure without synthetic fertilizers.

The skin is the largest organ in the body and to sustain growth and maturation of healthy living cells in the face and neck, the addition of cellular extracts as micro-collagen ultrafiltrates and platelets providing the macro-cellular growth factors is “feeding the skin matrix” as biological building blocks to create volume and strength that is natural and organ specific without synthetic fillers such as hyaluronic acid (HA).

Why Platelets?

Platelets are the key blood cells of tissue repair mechanisms. Plasma contains many factors essential for cell survival such as nutrients, vitamins, hormones, electrolytes and proteins. Among the plasma proteins, there are the essential molecules for the coagulation process and generation of the fibrin polymer that will serve as a scaffold for cell migration, differentiation and proliferation.They provide millions of essential growth factors (FGF, PDGF, TGF-β, EGF, VEGF, IGF) involved in the stimulation and skin regenerative process of wound healing.

The SWISS MADE Regen Lab specializes in autologous platelet-rich plasma (PRP†), processes your own blood, to use the platelets, cells and proteins as “fertilizer” for new cells to regenerate into mature, healthy living cells.

Why NANO-sized Cell Extracts?

These pure and bioactive cell extracts processed without involving any intense heating are ultra-filtrated down to 3 nanometres which can then be readily absorbed through skin tissues. They contain a number of micro-organic and inorganic ingredients, “seeds”, that show a characteristic distribution pattern of similar components typical for individual organs and tissues. When introduced into the skin, these cell extracts are broken down into their basic elements preserved during the non-heating process. These enzymes, polypeptides, DNA, RNA and other basic organic substances are immediately reused by the existing cells and subcutaneous tissue to rebuild and stimulate new cell formation.

NATURAL CELLULAR THERAPY

- Initiates process of skin regeneration
- Increases collagen production
- Enhances skin elasticity, tone and thickness
- Gives a more radiant and youthful look

Why NANO-sized Cell Extracts?

These pure and bioactive cell extracts processed without involving any intense heating are ultra-filtrated down to 3 nanometres which can then be readily absorbed through skin tissues. They contain a number of micro-organic and inorganic ingredients, “seeds”, that show a characteristic distribution pattern of similar components typical for individual organs and tissues. When introduced into the skin, these cell extracts are broken down into their basic elements preserved during the non-heating process. These enzymes, polypeptides, DNA, RNA and other basic organic substances are immediately reused by the existing cells and subcutaneous tissue to rebuild and stimulate new cell formation.


At SOSAPS, Radiance becomes personal.