

UNLOCK THE POWER OF  
**HETEROCHRONIC** PARABIOSIS

# YOUNG

## PLASMA CONDITIONING

ADVANCED PREVENTIVE BIOTHERAPY



Repairs \ Rejuvenation \ Prevention



**LOTUS** BIOCHEMICALS  
TECHNOLOGY & LABORATORY

Taipei - HongKong - ShenZhen - Kuala Lumpur

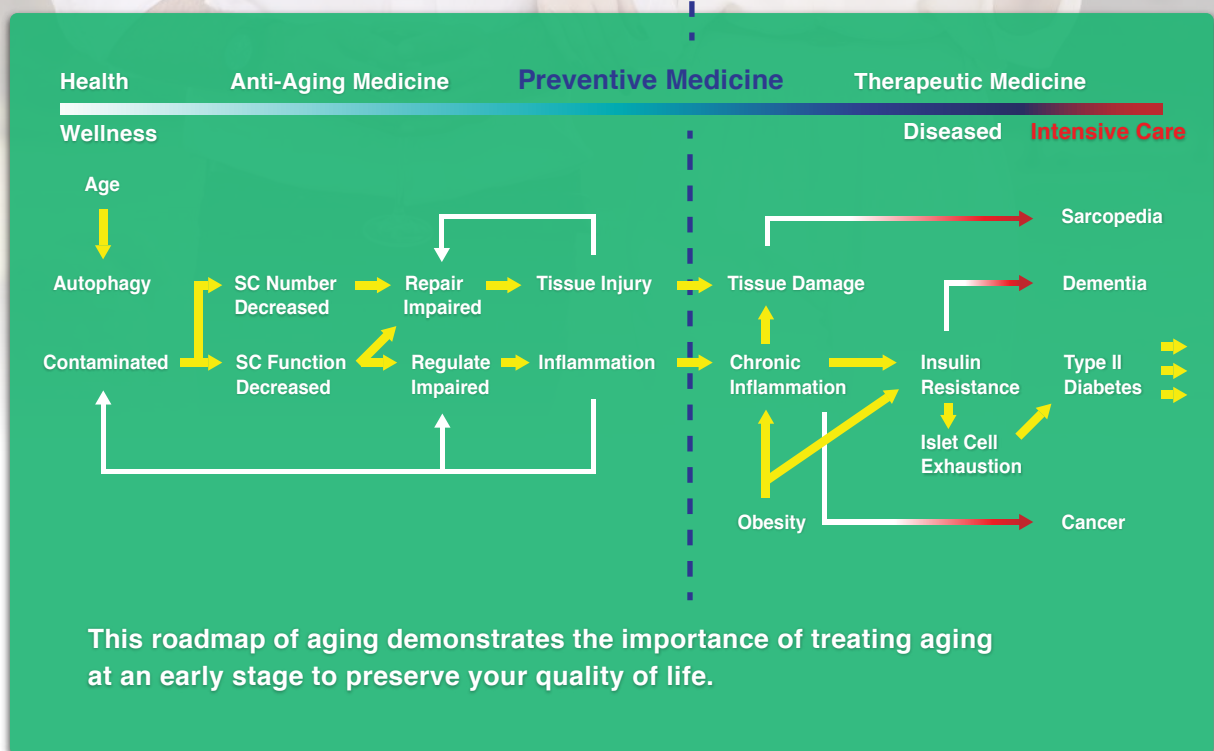
# Health and Wealth

It is your health that makes your wealth worthy.

Our preventive biological treatment offer a proactive approach to preserve your wellness by taking preventive measures to reduce the risk of developing chronic health problems, focusing on identifying and treating the potential health risks in your body to improve your overall well-being.

Investing in your own health is indeed the most valuable investment that you can make. It pays the dividends in the form of a more fulfilling and prosperous life, rewarding you by helping you gain control of your own life.

**Manage your health before chronic stage. Yes, now you can manage your aging.**



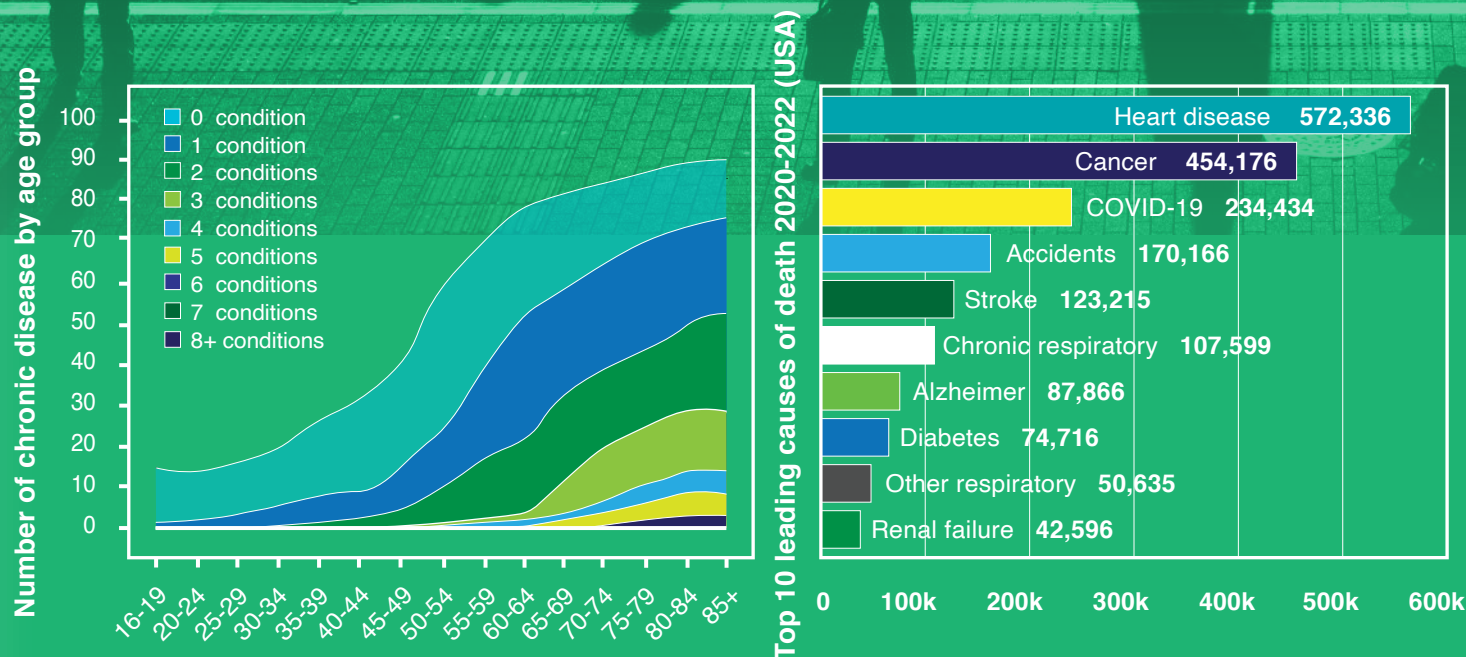
**For consultation and concierge service,  
please contact our agent now:**

**Malaysia distribution :** Mazubio Healthtech Sdn. Bhd. (Tel: 6011-3931 9491)

Atria Damansara Suite Tower B, 15-2A, Jalan SS 22/23, 47400 Petaling Jaya, Selangor, Malaysia.

# Aging is the major risk factor for most chronic diseases

Dr. Pan FuShih Md. Ph.D, University of Chicago, USA



## PREVENTION IS KEY :

**Six in ten** adults in the US have a chronic disease. **Four in ten** have two or more.

**Nine out of ten** leading causes of death are chronic. One small step today can change your life tomorrow.

# Heterochronic Parabiosis

Experimental research to clinical approach

## **The first and only science that proves aging reversal exists.**

Heterochronic parabiosis is a notable experimental research that surgically connects the circulatory systems of two old and young animals, which remarkably observed that the old animal showed signs of becoming younger after its body received young blood, in contrary, the young animal becomes older after it received old blood. This reveal that blood is a key factor causing aging as well as reverse aging, because blood is the main environmental factor where all cells are living.

Modern scientists revisited the science to study the effects of systemic factors on aging and rejuvenation, attempting to identify the factors that influence aging and tissue regeneration. Adequate research data have now shown that exposure to a young circulatory system can have positive effects on tissue repair, cognitive function, and lifespan in older body. This rejuvenation effects may be attributed to young substances in blood, such as certain growth factors and proteins, that promote tissue regeneration and repair. Additionally, regulation of "bad" proteins in aged plasma, such as beta-amyloid, tau protein, and alpha-synuclein, are contribute to aging effects causing deterioration and age-related diseases.

There are efforts to develop a human model of heterochronic parabiosis at several universities in the USA, including the University of Chicago, Stanford, Harvard, and UC Berkeley.



## **in vivo animal model**

The old mouse showed rejuvenation effects after receiving adolescent blood, but the young mouse deteriorated and aged rapidly after receiving senescent blood.

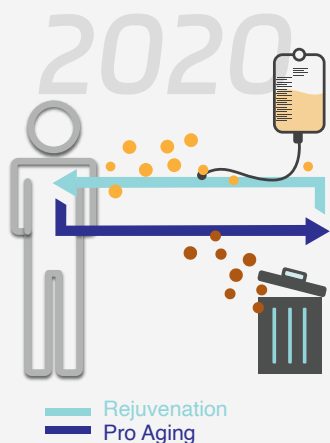
# Young Plasma Conditioning

Intermittent plasma exchange bio-therapy

## **You will benefit from this biological medical approach.**

Plasma conditioning therapy is a medical technique that uses a combination of biochemical substances to increase the viability of cells. This therapy involves compounding a mixture of antioxidants, growth factors, hormones, cytokines, extracellular matrix components, and ATP, which are then infused into the patient's bloodstream. Process of compounding involves carefully measuring and mixing the substances in precise concentrations, which are customized to the patient's individual needs.

The resulting mixture is then subjected to a process of plasma conditioning, which involves blood letting and IV infusion under the fundamental of Heterochronic parabiosis. This process is thought to enhance the effectiveness of the therapy by improving the delivery and uptake of the substances by cells. Overall, plasma conditioning therapy offers a promising approach to improve cell viability and promoting healing in a wide range of medical conditions.



## **in vivo human model**

Plasma conditioning in human model removes aging blood through blood letting to remove bad substances and infusing specific young factors to reproduce the regenerative effects.

Potential benefits:

Alzheimer's Disease

Chronic Kidney Diseases

Sexual Function

Oncology

Type II Diabetes

Cardio Vascular Diseases

Sarcopenia

Menopause

Fatty Liver

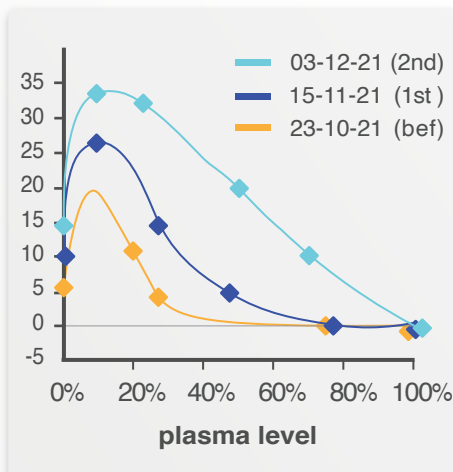
Presbyopia



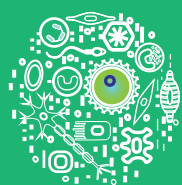
## How It Works ?

Young Plasma Conditioning therapy involves a process in which old blood is removed from the patient's body and replaced with synthetic plasma enriched with specific biochemical substances. The infusion of these biochemical substances activates various cellular pathways, leading to tissue regeneration and improved cognitive function, yet the blood letting process reduced inflammatory and inhibit factors within the body.

The therapy's underlying mechanism is based on fundamental concept of heterochronic parabiosis, where young blood induces regenerative effects in an old body. Through the infusion of specific factors, Young Plasma Conditioning therapy attempts to replicate these effects, ultimately leading to overall improved health and well-being.

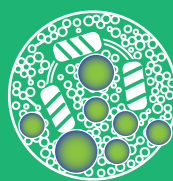


Cell viability test on efficacy screening in anti-aging therapy.



### Cell Atlas

Ensures all cells functionality and accurately characterizing gene expression, morphology, and functions in a cell atlas.



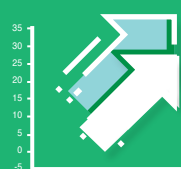
### Regulatory Networks

Ensure cells are activate and accurately analysing of signaling pathways, gene regulation and other key cellular processes.



### Cell - Cell Interactions

Allowing proper communication and signaling between cells, which is critical for functioning of many biological processes.



### Rejuvenation Factors

Ensure that cells are capable of generating and repairing tissues, leading to improved overall health and longevity.