

Your OWN cells to treat Chronic Disease!

Diabetes Mellitus is a disease of epidemic proportions estimated to affect in 2030, 376,000,000 people worldwide, most of them in Asia. In 2003, in Thailand alone 13% of the population above the age of 35 was affected. Diabetic patients are at risk for cardiovascular disease, stroke, chronic renal failure, eye and nerve damage, and poor healing, particularly of wounds in the foot, which can lead to gangrene requiring amputation. "Every 30 seconds a lower limb is lost somewhere in the world as a consequence of diabetes".



THAI StemLife is conducting research on the field of stem cell expansion and treatment of diabetic ulcers at renowned university and private hospitals in Bangkok, already showing promising results in preventing amputation and providing complete healing and vascular regeneration in patients with diabetic ulcers and has received the prestigious "Top Innovation of the Year 2006 Award" by the National Innovation Agency (NIA) at the Thai Ministry of Science and Technology. More research projects are currently being initiated in the field of Cardiology, Stroke treatment, Liver Regeneration, Joint Arthritis and Cosmetic applications.

Why invest in your OWN Stem Cells?

- Minimizing and managing personal and family disease risks throughout life.
- More than 80% of all transplants worldwide are from the patient's own cells or from within the family!
- The likelihood of requiring a stem cell transplant using your OWN stem cells before the age of 70 has been calculated to be 1 in 450
- Your OWN stem cells are available immediately for your OWN use if needed, whereas the process of searching, contacting and testing donors if found in public registries usually takes months and can ultimately be rejected.
- Your OWN stem cells guarantee a perfect match and no rejection.
- Your OWN stem cells bear no unexpected risks of infectious diseases.
- Cool and Time Sensitive!
- You insure all your relatives so why not look after your most valuable asset, your body!
- Storing Your OWN stem cells early ensure Your participation in the future applications!

Call THAI StemLife to find out more about Adult Stem Cells!

The information in this Brochure does not replace medical advice

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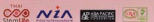
Your OWN
Stem Cells
STORE
the FUTURE



Caring for future ailments
Cardiac - Neuronal - Cancer
Diabetes - Aging - Health
peripheral blood stem cells (PBSC)
Preserve the ORIGINAL of Your Life
Preserve Your OWN stem cells
Preserve Your FUTURE



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What are "Your OWN Stem Cells"?

You have most certainly heard the term "bone marrow transplantation" in the past. The bone marrow is the site where our blood and immune system are constantly renewed by our OWN stem cells. Without this renewal we are defenceless in a state of War! Our blood cannot carry oxygen, our immune system cannot defend us against invaders such as bacteria, fungi and viruses. All organs in our body contain stem cells that continuously participate in renewal and regeneration.

How many types of Adult Stem Cells exist?

Adult Stem Cells are Stem Cells in an individual from birth until old age. They exist in all of our organs but three types can be easily isolated. At birth, umbilical cord blood stem cells (UCB) can be collected and stored for future use; as a once in a lifetime opportunity that all parents to be should be aware of and should not try to neglect. Our bone marrow contains bone marrow stem cells (BMSC) but the procedure to acquire them can be painful, risky and with substantial blood loss. The type most easily collected and most apt for your needs is peripheral blood stem cells (PBSC). PBSCs are stem cells that "leave" the bone marrow and are out in the blood stream and thus easier to collect.



What are the current clinical applications?

Adult Stem Cells have been used as a standard of care since more than 4 decades in bone marrow transplantation where the patient will use his or her OWN Peripheral Blood Stem Cells (PBSC). It involves or will require tissue matched stem cells from a donor most often from within the family. Doctors use PBSC as the preferred source of stem cells in more than 85% of the cases to rescue a patient's bone marrow when it has been destroyed by chemo- and/or radiotherapy in the process of treating cancer or malignant blood diseases. The decisive factor is tissue (HLA) compatibility occurring in 1 in 50,000 if with the same ethnicity and falling approximately to 1 in 100,000 between ethnicities. That is why more than 80% of all transplants worldwide are from the patient's own cells or from within the family, not from unrelated donors. More than half of the patients seeking a matching transplant are unable to find a suitable match and may pass!

Furthermore, new applications are in the process of replacing and revolutionizing treatments in heart diseases, stroke, neurodegenerative diseases (Parkinson's and Alzheimer's), diabetic and autoimmune diseases, joint ailments and their increase is exponential. In those applications ONLY your OWN stem cells can be used or your body will inevitably REJECT any other source.

What is the optimal age to bank stem cells?

As early as possible in adult life as old age and ailments can render you too weak for adult stem cell extraction. Stem cells collected earlier and when healthy may function better than stem cells collected later in life or after a disease is established.

Scientific evidence clearly confirms that the stem cells will create new tissue/bone marrow with the age of the transplanted stem cells. Your stored stem cells will have your age at the date of the collection!

What you save is cost (a donated sample can cost up to US\$35,000 that is if you are able to find one) and time (2-6 months) in the transplantation process. We all know the impact of time in cancer or heart disease treatment! On the other side, there is no chance of rejection by your own body's immune system or any donor cells attacking your healthy cells.

How are the stem cells collected?

After collection, the stem cells are immediately sent to our specialized team of the stem cell processing laboratory where the stem cells are safely and securely cryo-preserved for your OWN future use.

