

ISSN: 2381-1536

WISE Journal

*The official journal of the World Institute for
Scientific Exploration (WISE)*

Volume 5, No. 3 (Autumn, 2016)

714X : Nurturing Our Own Immune System, Immunotherapy from Another Perspective

Gaston Naessens, ND (Naturopathic Doctor) and
Jacinte Levesque Naessens, B.S., B.E., M.S., TCMD

Another Way to See and to Understand from a new biological viewpoint

714X is born from the discoveries of Somatidian Orthobiology. French-born researcher Gaston Naessens developed the theory in the 1950s after years of microscopic observations of live blood with a unique light microscope. Naessens actually worked on the modulation of light to pioneer a special ultra-performing resolving power light microscope. What he discovered then had to be confirmed. Finding yet another unique method of extraction, he isolated the micro particle that he had seen in the extracellular blood environment. This allowed him to confirm what he suspected: the particle that he first saw in untreated live blood, extracted and put into culture, was alive. The study of what he later called somatid, would change forever his vision of biology. Somatidian Orthobiology was born.

“Somatidian Orthobiology is the study of life based on the discovery and understanding of a live particule present in mammal blood (in plasma), particule endowed with the ability to replicate itself into a 16 phase life-cycle through a consistent process supporting strongly evidence of pleomorphic ¹

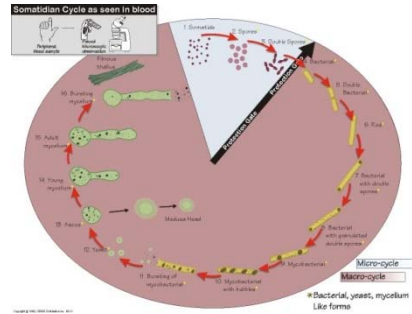
Somatids show an intrinseque pleomorphic growth cycle. Microscopic observations of live blood put in correlation with the medical realities of thousands of patients allowed Naessens to reach the following conclusion. The somatidian forms seen the first 3 phases, what he calls the micro-cycle (phases 1 to 3), are biological witnesses of a healthy cellular environment for the various blood cells to operate normal cellular division to sustain life. The forms seen in the macro-cycle, phases 4 to 16, are, on the contrary, witnesses of an unhealthy cellular environment that leads to abnormal cellular division, which we know eventually leads to an inflammatory process.

Spangelo (1995) demonstrated the role of molecules (namely cytokines) in coordinating inflammatory and immune responses. ² And as science now recognizes, inflammation is a precursor condition to degenerative diseases or autoimmune disorders.

Such persistent inflammation is associated with many chronic human conditions and diseases, including (...) cancer and autoimmune diseases ³

So the matter was to find what was truly happening biochemically between phase 3 and phase 4 and design a product that would act as a protective gate to put a halt on the macrocycle in

order to prevent (or stop) abnormal cellular activity. The objective was to be able to restore the right conditions for the microcycle to ensure normal homoeostasis within the blood circulation.



Somatidian cycle as seen in live blood

From an altogether different biological viewpoint, it seems indeed logical that the perspective on how to prevent or halt the process leading to disease would change radically. Seeing what sustains life in its smallest unit, how it evolves and how it can affect disease, testifying of its progression, it was logical and very compelling for Naessens to go further. Strong ethical considerations drove him to search a new therapeutic approach.

This is why Naessens designed in the 1970s a restorative product of the somatidian cycle, a product he called 714X, or Triméthylaminohydroxybicycloheptane chloride. Understanding the key role of the somatid and how, in its evolution, it impacts cellular activity, was key to finding the therapeutic solution. The objective was thus to address the internal milieu or liquid cellular environment **directly**.

The understanding of the importance of the morphological quality of the cellular environment, or what others tend to call more generally microenvironment, biological terrain or *milieu*, was crucial.

Conventional science has come through the years to reach the same conclusion.

'The immune system can promote the elimination of tumours, but often immune responses are modulated by the tumour microenvironment.'

The tumour microenvironment is an important aspect of cancer biology that contributes to tumour initiation, tumour progression and responses to therapy. Cells and molecules of the immune system are a fundamental component of the tumour microenvironment'.

Ref* Nature 2012 Tumour immunotherapy ⁴

714X, purposely designed to address the cellular environment, brings a biochemical modification of the immediate liquid environment in which peripheral blood cells bathe, with the lymphatic system as the main entry point.

New scientific evidence gives strong support to Naessens Somatidian Orthobiology, proposing the biological terrain as the prevailing crucial factor to prevent abnormal cellular division. For instance, Clark & co found that the immediate surroundings of the various cancer cells, is a key element to determine the cancer progression.⁵

Witness of an imbalance that will eventually lead to disease somewhere in the body, most likely at the weakest system, abnormal cellular activity can be foreseen in live blood 18 to 24 months **prior** to when disease is measured by conventional medical pathology and localised in a specific tissue or organ. This is why Naessens blood testing needs to be seen as a preventative screening test, not a diagnostic test.

Therefore, 714X can be used either for preventative or curative purposes. It is a highly promising non-toxic immunomodulator for two main reasons.

1. Its genuine mode of action has a direct impact on the cellular environment via the lymphatic circulation. This renders its usage compatible with other therapeutic regimen or protocols designed for degenerative diseases or auto-immune disorders.

Therefore, 714X can be administered prior, during, and after conventional treatments thus rendering those treatments more effective and potentialising the therapeutic action with less detrimental side-effects. Only in its capacity to alleviate negative side-effects, the product is of high interest.

2. 714X designed to address the natural defenses, including the immune system, not only offers expanded life-expectancy but offers better quality of life during the healing process.

714X, a different form of immunotherapy: What it does and its differences

Immunotherapy is proving to be a promising and welcomed strategy in cancer treatment⁶ But how come then does it seem to be working only for some patients and not for others? So far, the common types of immunotherapy are drugs called checkpoint inhibitors, cell therapy, bispecific antibodies and vaccines. Perhaps, there is a missing piece to the puzzle? But with a new understanding of disease and the crucial role of the somatids on the immune system, there could be another form of immunotherapy...

Firstly, 714X supports nature.

Immunotherapy refers to treatments that harness the immune system to fight diseases. The scientific talk now evolves around acting on the cells of the immune system to help them attack the disease. 714X, however, does not attack anything. It helps the natural defenses do their job, including the immune system that sustain itself.

714X has two main purposes: firstly, to help the body clean itself by addressing the lymphatic circulation (by changing the chemistry of the lymphatic fluid); Secondly, to address, through the lymph circulation and later peripheral blood, the cellular liquid environment that will permit leucocytes to recover their full potential capacity to drive their immune functions appropriately.

When we say that 714X supports the immune system, it relies on a principle and recognition of the body's innate ability to heal and self-repair. Naessens always believed in Nature's innate intelligence: Nature does not need to be tamed, just better understood and supported.

Secondly, the vision is global not local.

This is the second important feature that differentiates 714X. Naessens believes that an abnormal cell, a cancerous cell, for example, from whatever organ (or tissue), is not a cell out of control, but is rather a highly complex structure that tends to survive in a detrimental environment.

In the vision of somatidian orthobiology, cancer is not a local disease that tends to spread out, but a systemic condition that leads to local cancerisation in a specific tissue or organ. Focusing on trying to kill cancerous cells only makes no sense for Naessens. How to explain then that primary cancers after removal, often continue to evolve into aggressive metastatic ones. Naessens saw that cancerous cells eventually force collaboration with normal cells in order to survive (for nitrogen mostly), eventually leading to a critical mass of abnormal cells spreading out and overriding the body, unless the cellular milieu is directly addressed and cleaned up. With the support of 714X, somatids show their ability to halt their polymorphic growth, a biological sign that the body is returning to normal cellular division.

Although the concept is quite simple and easy to understand, it clashes with the actual mainstream conceptual idea.⁷⁻⁸ Said differently, the spontaneous alteration of DNA is not the causal reason leading to cancer. Naessens considers that the fate of cells is not driven by the alteration of DNA, but is intrinsically linked to the milieu. The direct cellular environment is what triggers DNA to change in order to survive.

In conventional medicine, the alteration of DNA is causal to diseases, whereas Naessens sees it as the direct consequence of a cellular microenvironment out of balance.

His controversial vision has now been supported by several independent scientific researchers who have reached the same conclusion. An echo of Naessens work can be found in the work of Dr. Bruce Lipton, cell biologist, PhD, who since 2003, has seen the cellular environment as a causal element impacting DNA modification.⁹

Thirdly, not forgetting how mind and body interact.

We've been led to believe that disease is linked with our genetics. Or simple bad luck.¹⁰ But genes and DNA do not control alone our health. Other factors actually impact the very nature of the liquid cellular environment, and this is what Naessens saw with the changes in the somatidian cycle.

With experience, Naessens has observed that the inner protective gate can be weakened by one or a combination of the following factors:

- Exposure to toxic environment
- Traumatic physical shock
- Traumatic psychological shock
- Feeling of helplessness
- Personal belief system

*Ref Previous Wise.

The first two have been demonstrated .¹¹ As for the other three, relying on psychological factors and thus harder to evaluate, they have been generally discredited and only recently demonstrated in neuro-psycho-immunology.¹²

For example, we now know what would have seemed like a heresy before, that chemokines, secreted by leukocytes, do cross the blood barriers.

The importance of chemokines in modern neuroscience is a recent breakthrough, although the interaction between the immune system and the brain was revealed in the 70s¹³

Many, including Dr Bernie Siegel, Dr Christian Boukaram talk about epigenetics and the biochemical effects of the brain's functioning that show that all the cells of the body are affected by thoughts.^{14 15 16}

Beyond our thoughts and our emotions, some even go further like Lissa Rankin, talking about the role of energy and consciousness linked to healing in a *biospiritual continuum that runs from subatomic particles to our higher spiritual natures*.¹⁷

The conceptual visions on the evolution of disease are still very different between traditional cancer research and new trends in neuro-psycho-immunology.¹⁸ Perhaps they could altogether be re-evaluated and work hand in hand in the light of new pieces of information and observations brought along by quantum physics.

Another way to assess and be assessed

How does one evaluate a product that takes into account such unaccountable factors? It has been said before that 714X had no scientific value, but perhaps this is because it was never assessed within the paradigm of conventional science.

Indeed, 714X cannot be evaluated through the classic gold standard of the randomized clinical trial used by the Drug Industry. This is why:

1. 714X is not a toxic agent or a cyto toxic agent.
2. 714X is not designed to address specific (pathological) cells.
3. 714X holds a naturopathic vision of “Do no harm”: it is not designed to kill abnormal cells or to put any form of adverse pressure in any biological system. On the contrary, 714X is designed to nurture all the blood cells, supporting their intrinsic capacity to act accordingly and above all, permitting the five types of leucocytes to work well both individually and together in harmony.
4. 714X addresses directly the leucocytes in the peripheral blood by entering the blood circulation via the lymphatic circulation. This is a unique feature of the product.

The whole concept of drug approval is based on safety and on the idea that a newly discovered molecule could have potential harmful effects. It evaluates the balance of risks over benefits and its level of toxicity.

Anyone pretending to have tested 714X in such a research model has not understood the conceptual background and the nature of 714X.

- 1) 714X is not a newly discovered molecule – but a product specifically designed to address the natural defenses. It has been classified as an immunomodulator.
- 2) 714X has been tailored to be a non-toxic product. It is completely useless to go through a process of toxicity testing, even though it underwent preclinical animal testing in 1978 confirming its non-toxicity.¹⁹
1. 714X has to be metabolised in the body via the lymphatic circulation and into the blood to have a direct impact on the peripheral extracellular blood (blood being the only liquid tissue). It thus serves no purpose to put it in contact with colonies of abnormal cells in a petric dish. Even in animal studies, 714X was injected in the lymphatic circulation.
- 3) 714X has been only assessed through microscopic observations of live blood (until 1999) through morphological observations, not through biochemical reactions correlated to medical data.

Only since 1999, with the arrival of the Immune Assay Test, were we able to confirm biochemically the impact of 714X on live monocytes. In its 2000 report, Van Alstyne looks at the effect of 714X on peripheral blood mononuclear cells in vitro:²⁰ *The results clearly demonstrate*

that 714X is a strong activator of monocytes/macrophages and induces the secretion of proinflammatory cytokines including TNF- α , IL-1 β , IL-6 and IL-8.

Thanks to the method of the Immune Assay Test, that requires to put in contact the product with live blood cells in vitro, the biochemical role of 714X, that was already assessed in microscopy, could finally be controlled biochemically.^{21_22_23_24}

Although considered anecdotal because the gold standard of double-blind studies has not been applied, compelling clinical results over the years have satisfied more than one patients. The Canadian Breast Cancer Research Initiative selected 714x as one of 6 unconventional therapies mostly used in Canada ⁷

Patents were filed in 2001 after the various independent laboratories confirmed the biochemical reactions of 714X on blood cells, mainly leucocytes.

After 714X obtained 4 patents, under four different jurisdictions worldwide. (2003-USA, 2005-Europeen, 2010-Canada, 2013-Japan) 714X is a true innovation that takes in consideration the impact of individual life- style on incidence of cancer ^{25_26_27_28}

Conclusion

Although 714X is not to be seen as a panacea in any way, understanding better where it comes from (with the principles and discoveries of Somatidian Orthobiology) and how it works (directly on the causal factors of the inflammatory process), make it easier for a scientific mind to realise that it can effectively be used preventatively or curatively in a variety of health disorders. Also it can be done alone or in combination with conventional treatments, depending on the final decision of the patient taken with his health care practitioner(s) (informed consent).

Naessens' vision is that cancer is not a local disease that spreads out; it comes from a systemic disequilibrium of the extracellular environment that will eventually lead to the cancerisation process of a specific tissue or organ. The weakness of the natural defenses, including some aspects of the immune system, pre-exists month prior to being locally measurable on a cellular level and confirmed in conventional pathology.

714X can be seen as a major breakthrough for many degenerative or chronic conditions, including cancer, and auto-immune disorders associated with persistent chronic inflammation. Although it is not the brainchild of the Pharmaceutical Industry, it has many decades of compelling clinical successes. It has the merit of being non-toxic.

Let's wake up to real medicine, one that simply supports nature in its true power to heal itself. In this new paradigm, nurturing our own immune system is certainly a therapeutic choice to consider.

References:

- ¹ NAESSENS Gaston, Naessens Jacinte Levesque;"World Institute for Scientific Exploration (wise Journal)" Baltimore, Vol 5, no 1 (Spring 2016) p. 12-15
- ² SPANGELO BL1, Gorospe WC.: "Role of the Cytokines in the Neuroendocrine-immune System Axis" *Front Neuroendocrinol*, 1995 Jan; 16(1):1-22
- ³ Nature", *Nature insight inflammation*, vol. 454, 24 July, 2008, p. 427-458.
- ⁴ ALDERTON, Gemma K., BORDON, Yvonne. "Immunology Tumors Immunotherapy: Leukocytes take up the light", *Nature Reviews*, 2012, p. 12-237.
- ⁵ CLARKE CJ and coll."The Initiator Methionine tRNA Drives Secretion of Type II Collagen from Stromal Fibroblasts to Promote Tumor Growth and Angiogenesis", *Current Biology*, vol. 26, March 21 2016, p. 755-765.
- ⁶ FRANKEL-COUSIN, Jennifer "Break through of the year : Cancer Immuno Therapy News Focus", *Science*, vol 342 December 20 2013 p 1431-1433
- ⁷ KAEGI, MB' CHBS' MSc. "Unconventional Therapies for Cancer : 714X", *Canadian Medical Association*, vol. 158, June 16 1998, p. 1621-1624.
- ⁸ AVLAS, Jean Jacques. "What you need to know about cancer: Alternative Cancer Treatments", *Scientific American: Special Issue*, September 1996, p. 160-163.
- ⁹ LIPTON, Bruce H. PhD. *The Biology of Belief: Unleashing the Power of Consciousness, Matter & Miracles*, California, Hay House, 2008, 202 pages
- ¹⁰ COUSIN-FRANKEL, Jennifer "The bad luck of cancer" *Science*, Vol.347, issue 6217, January 2015 p.12
- ¹¹ DOLL R, PETO R. "The causes of cancer: quantitative estimates of avoidable risks of cancer in the United States today." *J. Natl.Cancer Inst.* 1981 Jun,66 (6): 1191-308
- ¹² Rosten, William and collaborators. "Journal of Neurochemistry" Neurochemokines: a menage a trois providing new insights on the functions of chemokines in the central nervous system. *International Society for Neurochemistry*, vol. 118, 2011, p. 680-694.
- ¹³ SIMONTON, Carl Dr, Sephanie Mathews.; "Guérir envers et contre tous" Desclée de Brouwer, Paris, 2007.

-
- ¹⁴ SIEGEL, Bernie S. M.D. "Love, Medicine & Miracles" First HarperPerennial edition 1990, 227p.
- ¹⁵ BOUKARAM, Christian. " *Le pouvoir anticancer des Émotions*" Les éditions de l'homme, Montréal Québec, 2011, 167pages (Healer of Cancer : The Power of the Emotions – translated title)
- ¹⁶ COUSINS, Norman: "Head First: The Biology of Hope and the Healing Power of the Human Spirit. " E.P. Dutton, New York, 1989. 371p.
- ¹⁷ RANKIN, Lissa M.D. *Mind Over Medicine: Scientific Proof That You Can Heal Yourself*, California, Hay House, 2013, 261 p.
- ¹⁸ BEAUREGARD. Mario PHD, Neuroscience, University of Arizona " Brain Wars, The Scientific Battle over the Existence of the Mind and the Proof that will Change the way we Live our Lives." HarperOne April 24th 2012, 259 pages
- ¹⁹ ROSTEN William, "De nouveaux messagers dans le cerveau", Pour la Science (Edition Française de Scientific American), no. 369, Juillet 2008, p. 66-75
- ²⁰ Bio-Research Laboratories Ltd. Research report acute intravenous toxicity in rats of the compound 714X, by Ram B. Rastogi, D.V.M, M.P.H, Ph.D., Project no:9299 September 18th 1978 (internal report in link with patents, Proprietary documents)
- ²¹ VAN ALSTYNE, Diane PhD. *Report on Mononuclear Cells to Differentiate in Contact with CERBE inc. Testing Material, including Triméthylaminohydroxybicycloheptane chloride and cytokines product*, ABI advanced Bio Technologies Incorporated Columbia, MD, January 18 2000. (internal report in link with patents, Proprietary documents)
- ²² SILVERA, Peter PhD. *Consultancy for Study to Determine the Effect of Triméthylaminohydroxybicycloheptane Chloride on Peripheral Blood Monocuclear Cells in Vitro*, project number 12241.01, Southern Research Intitute, Frederick MD., June 14 2007.(internal report in link with patents, Proprietary documents)
- ²³ CUMMINS, James E. *Testing of CERBE Ampounds for Stimulation of Cytokines in Human PBMC's Draft*, Report for research project 12241.02, August 26 2008.(internal report in link with patents, Proprietary documents)
- ²⁴ CHAPUZET, Jean-Marc PhD. *Rapport d'analyse et de caractérisation des trois échantillons fournis le 8 septembre 1999*, Université de Sherbrooke, Faculté des Sciences, Departement de chimie, Sherbrooke, Septembre 1999..(internal report in Link with atients, Proprietary documents)

-
- ²⁵ SPIED, E. Raymond. "Peer Review and Innovation", *Science and Engineering Ethics*, vol. 8, issue 1, 2002.
- ²⁶ ALDERTON, Gemma K., BORDON, Yvonne. "Immunology Tumors Immunotherapy: Leukocytes take up the light", *Nature Reviews*, 2012, p. 12-237.
- ²⁷ GARABANT D H; Peters J M; Mack T M; Bernstein L "Job activity and colon cancer risk." *American journal of epidemiology* (1984 Jun) Vol. 119, No.6.pp 1005-14
- ²⁸ YJ Cong, Y Gan, H L Sun, J Deng, S Y Cao, X Xu and Z X Lu. Association of sedentary behaviour with colon and rectal cancer: a meta-analysis of observational studies. *British Journal of Cancer* (2014) 110,817-826. Doi:10.1038/bjc.2013.709

About the authors:

Gaston Naessens is the president founder, CEO of Cerbe Laboratory, a privately funded laboratory specialized in fundamental research in biology.

Cerbe is also the Canadian manufacturer of Triméthylaminohydroxybicycloheptane chloride (714X) for which 4 patents have been granted since in 2003 (USA), 2005 (Europe), 2010 (Canada) and 2014 (Japan).

Jacinte Levesque Naessens is the director general of Cerbe Distribution inc

How to reach us:

Phone : 819 564-7883

E-mail: info@cerbe.com

Acknowledgement :

Gaston Naessens and Cerbe inc has been encouraged throughout the years by the philanthropic foundation McDonald Stewart Foundation, located in Montréal Quebec (1972-2014).