



Homeopathy and Glyconutrients

NUTRITION

Only the body can heal itself and the tools that help it most are those things it is designed to need for health and repair – nutrients. Samuel Hahnemann referred to 'maintaining causes' and 'obstacles to cure'. Lack of essential nutrients is one of the most common prevailing and maintaining causes in acute-recurrent and chronic (degenerative) disease and one of the most preventable. There is the prevailing widespread nutrient depletion in the soils of the world. Food is often 'green harvested'. Population studies identify that the more prevalent the incidence of nutrient depletion the more frequent the incidence of chronic degenerative disease.

AMBROTOSE COMPLEX

Ambrotose is a product based on an enormous scientific breakthrough. In 1996, Harpers Biochemistry, a prominent medical textbook, added a new chapter called Glycoproteins. This discovery established the fact that all mammals must synthesize **Glyconutrients** as a normal function of life. The glyconutrients then attach to the cell's protein surface to form glycoprotein. These glycoproteins are the body's own language, the means of communicating ALL data and functionality from cell to cell. If you do not have glycoproteins on the cell's surface there WILL be miscommunication on a cellular level, which in time will create symptoms and a disease process. This is now a medically established fact! In our modern diets we only get two of them in abundance, glucose and galactose. The other six are missing.

We also know that we can create some of the others from glucose and galactose but the process is very complex and requires a host of enzymes and micronutrients to complete the action. We now also know through the work of Dr John Axford (past president of the Royal Society of Medicine and head of Immunology and Allergy at St. Thomas' Hospital) that there are some people who have what is called CDG or Congenital Deficiency of Glycosylation. This means that some of us have a genetic glitch at birth that prevents us from creating some of these glyconutrients from glucose and galactose alone. This work has been done recently with those suffering auto immune diseases particularly Rheumatoid Arthritis. CDG is also being linked to Sudden Infant Death Syndrome, where the bottle fed baby does not get all 5 glyconutrients present in mother's breast milk and is unable to create the missing ones from the glucose and galactose in the formula milk. As a result the cells do not function and communicate correctly and death can occur. Incorrect glycosylation may be the cause of so many health challenges that do not respond to treatments and should always be considered, especially in chronically ill children.

These biologically active sugars do not convert into glucose when consumed; they go to the surface of every cell in our body to form a complex system of cellular communication, the operating system of our body. As cells touch they communicate. Cleanse me, regulate me, defend me, repair me, vitamins please, hormones please etc. Everything they need is identified in this way. The 1999 Nobel Prize in Medicine was awarded for this discovery! **Ambrotose complex is a functional food that provides all eight of these essential simple carbohydrates.**

What does this information mean to us? One of the white blood cells is called a macrophage. You could say that this cell is the general of the immune system. The job of the macrophage is to read the glycoprotein message board of every cell it bumps into. The glycoprotein message board is supposed to identify a cell as 'me' or 'not me', as viable or not viable. When the cell identifies itself as 'me' and viable, the macrophage is supposed to leave it alone, but when it is identified by the macrophage as 'not me' or not viable the macrophage will mobilize the appropriate recycling mechanisms to reabsorb and recycle that particular defective cell or if it is a 'not me' (virus, etc), it will absorb and recycle it.

But what if the cell does not have the essential monosaccharides it needs to be able to identify itself properly? What if the macrophage mis-identifies a cell? Three (eventually) negative things can happen.

- i) If a cell, from a lack of surface glycoproteins, is not correctly identified, repaired and nourished, then these starving cells will selfishly grow and blindly proliferate. It often leads to common life-threatening degenerative diseases.
- ii) If the cell surface has insufficient glycoproteins, then virus, bacteria, etc, can find their way into the cell, leading to serious, often degenerative, states involving 'infections'.
- iii) If the macrophage incorrectly identifies healthy tissue as 'not me' or 'not viable' it mobilizes recycling mechanisms against it. Your body can then manifest one of the more than 80 auto-immune diseases from which so many people suffer today.

If the macrophage mis-identifies / recycles liver or skin cells you could develop Lupus. If it recycles glyconutrient deficient pancreas tissue, you can develop diabetes. If it mis-identifies / recycles deficient central nervous system tissue, you can develop ALS, Parkinson's or other degenerative neurological or neuro-muscular condition. In M.S., immune cells recycle the myelin sheath that covers our nerves. If it mis-identifies / recycles deficient muscle tissue, you can have fibromyalgia.

If it mis-identifies / recycles glyconutrient deficient bowel cells, you can have Ulcerative Colitis or Crohns disease. In Rheumatoid Arthritis immune cells recycle deficient cells in cartilage cushions in joints.

Glyconutritionals are very unique because they are **immune system modulators**. This means that glyconutrients can help to correct an overactive immune system (autoimmune diseases), boost an under active immune system (chronic infections, degenerative disease), and keep our immune resources in the best shape for maximum self-healing ability.

The more Glyconutrients we can directly supply to the body, the more raw materials it has to work with to re-balance our immune networks, help drive our energy pathways, help sweep up dangerous oxidants and control cellular reactions that determine if we are at the peak of health or sick. When given the right resources the human body has enormous capacity to correct and heal itself. Each cell needs **all 8** of these essential sugars. The fewer glyconutrients our body is forced to create through its own 'energy expensive' glycosylation processes, the more energy it has for promoting and maintaining health.

Glyconutrients offer a remarkable **antioxidant - boosting action!** Our key anti-oxidant is produced right in our own bodies. **Glutathione** is not only the body' s most important antioxidant; it is also the body' s most important cleansing agent as it cleans our blood. Glutathione protects us from many types of pollution. It protects our DNA & RNA from free radical damage. It also protects against cellular damage caused by pesticides, plastics, benzene, carbon tetra-chloride, heavy metals, cigarette smoke, smog, drugs, solvents, dyes, phenols and nitrates. **We cannot get enough glutathione from our food alone.** Glyconutrients significantly raise glutathione levels in healthy tissue. When tissues have been exposed to toxic chemicals, it has been scientifically shown (proven) to raise glutathione levels by 50%.

Breast Milk

Five of these essential sugars are found in human mothers' breast milk, that' s how safe and needed they are.

"Scientists have concluded in many cases that the effects of glyconutrients on both healthy people and those patients with serious, chronic medical conditions have been significant. Even tiny amounts of these sugars – or lack of them – have profound effects. Knowledge is power, and knowledge about glyconutrients - a kinder, gentler, natural healing agent -- can empower you to get and stay healthy."

--- Dr. Emil Mondoia, M.D., author of Sugars That Heal

"The biggest revolutionary change in the war against disease is represented by glyconutrients. Glyconutrients are taking their place as one of the pivotal classes of nutrients. I know this not only because of the medical studies but also by the profound effects it has had toward promoting health in my patients that had been lacking over the past 20 years".

--- Michael D. Schlachter, M.D., Board Certified Internal Medicine and Pulmonary Disease Clinical Instructor, University of Nevada Medical School"

Harper's Biochemistry, a textbook used by many of the top medical schools in the U.S., was rewritten in 1996 to add an entire chapter listing the 8 necessary glyconutrients... mannose, galactose, glucose (the only glyconutrient still plentiful in our modern diets), fucose, xylose, n-acetylglucosamine, n-acetylgalactosamine, and n-acetylneuraminic acid. The co-author of Harper's, Dr. Robert Murray, is now on Board of Medical Directors of Mannatech, the manufacturer of these products

For recommended suppliers and supplement advice please contact Pauline

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