

## A brief outline for the **Adult Stem Cell DVD:**

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Parties may disagree on the source of stem cells to be used to correct human disease. One would hope all are united in the desire to improve the quality of life for children with cerebral palsy and other brain damage such as fetal alcohol syndrome and trauma. It can be projected that all parties can support the lofty intent to improve the quality of life for adults with old fixed-damage strokes, Alzheimer's and Parkinson's disease and other serious causes for brain damage and dysfunction. Surely all persons considering the use of human stem cells can join in harmony to find a **safe, effective and economical** way to achieve the above advances in health management. The only conflict or disagreement that would remain would be how to go about achieving these worthy and monumental health restoration goals.

Our research team accidentally found in the 1980s that glyconutrients of plant origin returned to the modern diet made available to the public by the Dietary Supplements Health and Education Act of 1994 (DSHEA) was associated with remarkable responses in all the conditions listed above and many more that are considered permanent causes of organ damage. Our work was with polymannose of aloe leaf gel origin. It took over 15 years to recognize the basis for the restorations being observed clinically. **In Parkinson's disease alone over 350 such responses have been documented by Australian investigators.** Benefits are not miracles, but responses are remarkable, without precedent and have a scientific basis.

It was found that the patient's own adult stem cells (CD 14 monocytes and intermediate CD 34 stem cells) generated in the bone marrow are brought into the peripheral blood in immense numbers when glyconutrients are added to the diet. These cells provide the basis for programmed cell death and regeneration of all tissues of the human body (apoptosis- destruction and replacement of aged and damaged cells) that is normal physiology. Apoptosis provides the means for humans to live commonly 50 to 100 years. The nutritional wonder of "Glycomics" (dietary sugars used in cellular synthesis added to the diet) to enhance normal biochemistry conducted under the control of genes, significantly increases the activity of apoptosis and is deemed the mechanism for organ function return cited above. This approach is a great advantage in that by marshalling one's own stem cells into organ renewal and repair major problems are avoided. Stem cells from any source other than the patient will have the immune signature on each cell membrane like a transplanted organ. A patient's stem cell membrane that becomes the differentiated functioning cell is not identified as foreign by the individual's immune system that attacks and destroys the vital cells. A person's own stem cells migrate and transform to replace any damaged or aged cell under the direction of multiple control systems of the body and unrestricted growth of embryonic tissue that forms a teratoma tumor, (layers of disorganized embryonic cells) is avoided. The cost is \$25 to \$50 a week. Even multiple Type I and II diabetics show evidence that this safe and economical approach utilizing normal physiology generates insulin producing beta cells in the pancreas. Elderly and young patients with what has been regarded as permanent heart, liver, retina and kidney damage have had major restorations and even come off of dialysis and transplant waiting lists due to the return of organ function. The engineering/design of life is supported by nutrition. This is not treatment.

The question is asked, "In view of the safety, effectiveness and economical benefits of generating a person's own adult stem cells to replace critical and vital organ cells that include neurons, is embryonic stem cell research designed to develop costly, patentable stem cell lines designed to repair specific organ cells now obsolete?"

H. Reg. McDaniel, M.D. 8/10/05

Independent investigations have now confirmed the phenomenon that that an individual's own bone marrow can be activated to enhance apoptosis, (regeneration and replacement of structure/function cells damaged or aged) when plant cell wall sourced complex polysaccharides are added to the diet as a supplement. The intent of the Dietary Supplement Health and Education Act of 1994 is supported beyond its supporters' dream by this advancement. This nutritional technology has the capacity to decrease healthcare costs for a nation by reversing organ damage regarded as permanent and irreversible, to prevent disabilities and slow aging.

1. US Patent 946561 Klarquist Sparkman, Portland Oregon A method to enhance stem cell trafficking using blue green alga cell wall complex carbohydrates.

2. Sweeney, EA, Lortat-Jacobx, H. Sulfated polysaccharides increase plasma level so SDF-1 in monkeys and mice: involvement in mobilization of stem/progenitor cells. Blood, 1 January 2002, Vol. 99, No9. 1, pp 44-51. Complex fucans generate adult stem cells.