Latent CMV May Accelerate Aging; New Paper by the CBCD Published in Open Medicine

The medical journal, Open Medicine published a paper on latent viruses and aging.

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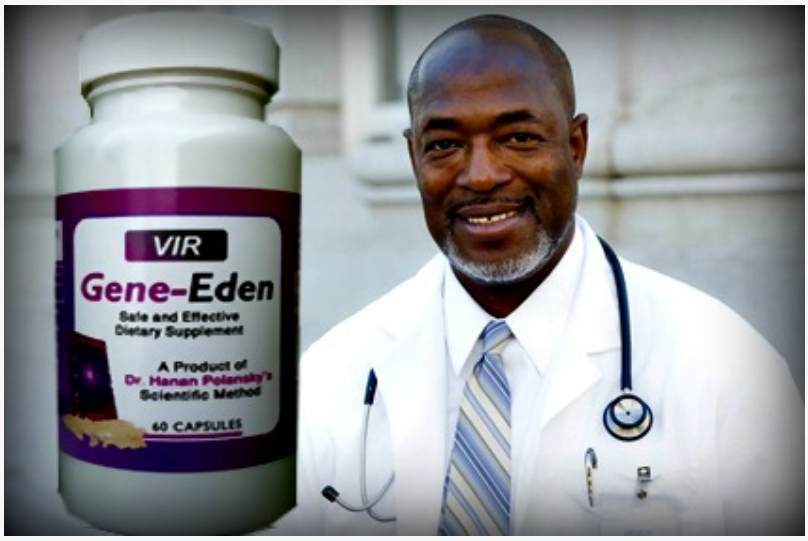

Scientists at the CBCD recently published a paper on how the latent human cytomegalovirus may cause the shortening of telomeres (protein sequences that protect the end of chromosomes) in infected cells. The paper was published in the medical journal, Open Medicine. This is important since reduced telomere length has been associated with accelerated aging as well as age-related diseases including cardiovascular disease, diabetes and cognitive decline. Since most people harbor a latent virus, such as CMV, this paper should provide inspiration for scientists to conduct more research on the damaging effects of latent viruses. In addition, the public should take this paper as a warning that individuals infected with a latent virus may age faster.

According to Polansky and Javaherian, the reduced telomere length is due to a deficiency in the GABP transcription factor. The authors of the paper noted that “Van de Berg et al. measured the relationship between telomere length in T cells and CMV infection. They report that one year post primary CMV infection, that is during the latent phase, the cells exhibited shorter telomeres.” (1) The authors then went on to present an explanation based on the Theory of Microcompetition for the observed relationship between latent CMV infection and reduced telomere length.

Interested individuals can visit the website of the Open Medicine journal, and can download the full .PDF of the paper entitled “The latent cytomegalovirus decreases telomere

http://www.degruyter.com/view/j/med.2015.10.issue-1/med-2015-0042/med-2015-0042.xml

The Theory of Microcompetition was first described in Dr. Hanan Polansky's highly acclaimed "Purple" book, entitled Microcompetition with Foreign DNA and the Origin of Chronic Disease. In this book, he explains how foreign DNA fragments can cause many major diseases. The book has been read by more than 5,000 scientists around the world, and has been reviewed in more than 20 leading scientific journals.

"I wish to congratulate Dr. Hanan Polansky for his scientific bravery to take such a unique, novel approach to further stimulate our understanding of the origin and establishment of chronic diseases. The philosophy underscored is an excellent one." - Dr. Sivasubramanian Baskar, PhD - Senior Scientist, National Cancer Institute, NIH

The CBCD invites the media to contact the Center for interviews at: info AT cbcd DOT com or phone 585-250-9999.

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References:

(1) Polansky, H. Javaherian A. "The latent cytomegalovirus decreases telomere length by microcompetition" Published May 27, 2015 - Open Medicine

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