

Jeunesse Anti-Oxidant

Wednesday, 9 May 2012

Jeunesse Reserve Anti-Oxidant



Jeunesse Reserve

Resveratrol Evidence for Cancers, Heart Disease & Alzheimer's

Dr. Joseph Maroon, the author of the book The Longevity Factor, explains that resveratrol is a very powerful substance in cancer prevention.

There are 3 stages of cancers; Initiation stage, Promotion stage & the Progression stage. Resveratrol as an anti-oxidant, inhibits the initiation of cancer, as an anti-inflammatory, helps to reduce the promotion of cancer & helps reduce the spread of cancer.

For heart disease, resveratrol reduces the stickiness of blood platelets, releases nitric oxide in the blood vessels and dilates it, so more blood flows to heart.

For patients with Alzheimer's disease, resveratrol the poisonous plague that forms in the brains, prevents it from forming.

Joseph Maroon M.D.: Resveratrol Evidence

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Resveratrol & Breast Cancer

New Research Shows Resveratrol Could Be effective against Breast Cancer

Researchers at the Cleveland Clinic have revealed that resveratrol, when given in mixture with rapamycin (a potentially promising breast cancer drug with immunosuppressant effects), was twice as effective in killing breast cancer cells as when rapamycin was used alone. Basically, the resveratrol stopped the breast cancer cells from becoming resistant to rapamycin. According Dr Charis Eng, MD and Ph.D., "Rapamycin has been used in clinical trials as a cancer treatment.

Unfortunately, after a while, the cancer cells develop resistance to rapamycin...Our findings show that resveratrol seems to mitigate rapamycin-induced drug resistance in breast cancers..."

Furthermore, the study also tested resveratrol **alone** (without rapamycin) on breast cancer cells and discovered that resveratrol either slowed or stopped their growth, depending on the dosages.

This research showed that resveratrol could be a "powerful integrative medicine adjunct to traditional chemotherapy."

Conventional medical doctors working in hospitals will still prescribe chemotherapy or radiation as a cancer treatment as there are no "official" alternatives. It is ultimately up to the patient to be responsible for their own health. It is already a fact that conventional cancer treatments only shrink the tumours and does not CURE. We have been programmed to trust the "doctors" and allow them to dictate our lifespan. Whose life is it anyway?

Resveratrol Kills Cancer Cells!



Resveratrol & Various Cancers

Resveratrol and Cancer Management

Resveratrol combats cancer cells in various ways. As mentioned by Sitris Pharmaceutical's Dr Sinclair, resveratrol triggers the sirtuin enzyme, SIRT1, which acts as guardian of cells' DNA and gene communication. Likewise, Resveratrol, as a potent antioxidant, neutralizes free radicals (Free radicals can bring about cancer by causing mutations in a cell's DNA or by encouraging inflammation). In conclusion, resveratrol promotes apoptosis of cancer cells – a natural process whereby cells are pre-programmed to die. Resveratrol promoted apoptosis is especially important considering cancer often disables a cell's tumor suppressor gene, P53, leaving the cell without a means to protect itself.

Types of Cancer Possibly Treated Resveratrol

Presently, research is being done to determine the specific types of cancer that resveratrol is effective against, as well the effective dosages and methods of administration (e.g. oral, intravenous, or topical) for each type of cancer. Some types of cancers that succumb to resveratrol intervention:

Leukaemia & Blood Cancers

Studies has shown that grape seed extract induces leukaemia cells to commit suicide. Grape seed extracts contain resveratrol.

Breast Cancer

Resveratrol strongly inhibits BRCA1-mutant tumour growth. Resveratrol prevents the initial stage that occurs when estrogen begins the process that leads to breast cancer.

Pancreatic Cancer

By disabling pancreatic cancer cells' mitochondria (i.e. power source) resveratrol kills pancreatic cancer cells while protecting healthy cells from radiation treatment.

Lung Cancer

Research has shown that cigarette smoke destroys SIRT1 genes in lung cells while other studies have revealed, that resveratrol increases SIRT1 activity. Conceivably, this is why men between the ages of 45 and 69 who smoke, have a 60% reduction of lung cancer if they drink one or two glasses of red wine per day – or a 2% reduced risk of getting cancer for each glass of red wine consumed per month.

Prostate Cancer

Researchers have revealed that resveratrol might prevent or diminish prostate cancer problems. According to them, men who drink 4 to 7 glasses of red wine per week are half as likely to be diagnosed with prostate cancer. Further, mice given resveratrol are 87% less likely to develop the most deadly form of prostate cancer and are 48 % more likely to have their tumour growth slowed or stopped.

Skin Cancer

Resveratrol applied topically has showed promising results in the prevention of skin cancer. Specifically, when resveratrol was applied to the skin of hairless mice before UVB (solar) radiation exposure, the mice had less skin tumours than mice without eating resveratrol. Further, resveratrol applied to the skin of hairless mice after UVB exposure also helped to prevent skin tumours.

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Resveratrol Restores White Hair to Black!

I heard from a few sellers of [RESERVE Resveratrol Fruit Gel](#) that a few of their customers had remarkable changes on their head, literally. I didn't want to believe them as I have not seen these people myself. Restoring the original hair color was the last thought on my mind as hardly any commercial products in stores can do that. To grow new hair means a rejuvenation of cells, especially OLD CELLS! White hair is a sign of aging whereas black hair (whatever the original color) means youth.

I was amazed when an old friend of mine told me that her husband's white hair started to grow black, inside out after eating [RESERVE Resveratrol](#) for a month! They were so excited about it that they requested for another 3 boxes from me. To be able to restore hair color means the internal organs are active, especially the kidneys. Since his hair has turned black, I supposed his self esteem has returned as well. No need to dye his hair anymore at this rate.

It may not happen for everyone as each person's body is different. But if we have a few similar cases, this is going to be a new breakthrough. Hair dyes contains toxins and it will get into our blood as it comes into contact with the scalp or skin. (We are creating conditions for cancers to grow)

Resveratrol Prevents Cataracts & Other Degenerative Eye Diseases

Researchers conducted 2 studies on the effective abilities of Resveratrol on eye related deterioration disorders validated some very fascinating evidence. It suggests that Resveratrol has preventative and even regenerative abilities that impede and possibly reverse cataract growth as well as other age related macular degeneration (AMD) and retinal diseases.

The effects that Resveratrol had on impeding the progress of cataracts that were induced in lab rats was conducted by the Inonu University Medical Faculty and Turgut Ozal Medical Center in Malatya, Turkey.

48 rats were divided into 3 treatment groups:

Group #1 – controlled group injected with a normal saline ethanol solution;

Group #2 was injected sodium selenite (30 nmol/g body wt); and

Group #3 was given sodium selenite plus resveratrol (40 mg/kg).

On day 21, cataract development was graded by slit-lamp examination and photography. Encapsulated lenses and erythrocytes were analyzed for reduced glutathione (GSH) and malondialdehyde (MDA), a marker of lipid peroxidation.

The results showed that the control group's lenses (group 1) were clear. In group 2, all rats developed cataracts (grade 3-grade 6), whereas in group 3, only 9 of 16 rats developed cataracts (grade 2-grade 3). The difference of cataract frequency between group # 2 and #3 was statistically significant ($p < 0.05$). Group 3 lenses and erythrocytes had higher mean GSH and lower mean MDA levels than those in group 2 ($p < 0.05$).

The researchers concluded that Resveratrol suppressed sodium selenite-induced oxidative stress and cataract formation in rats. This preventative effect was supported by greater GSH and lower MDA in lens and erythrocytes. The presence of oxidative stress in selenite cataract development and its prevention by resveratrol support the possibility that high natural consumption of resveratrol in food can help prevent human senile cataract.

In the second study by researchers from Ohio State University, the scientists found that Resveratrol reduced the oxidation and growth of human retinal pigment epithelial (RPE) cells.

The researchers hypothesized that resveratrol, a red wine polyphenol, may be responsible, in part, for the health benefits of moderate red wine consumption on retinal disease. To test their theory, the antioxidant and anti-proliferative effects of resveratrol were examined in a human RPE cell line.

The treatment of the cells included 50 and 100 μ mol/L Resveratrol. Both quantities significantly decreased the proliferation of RPE cells by 10% and 25%, respectively ($P < 0.05$). In addition, the reduction in RPE cells was not associated with resveratrol-induced cytotoxicity.

Resveratrol (100 μ mol/L) inhibited basal and H₂O₂-induced intracellular oxidation and protected RPE cells from H₂O₂-induced cell death. The observed reduction in cell proliferation was associated with inhibition of mitogen activated protein kinase/ERK (MEK) and extracellular signal-regulated kinase (ERK 1/2) activities at concentrations of resveratrol as low as 5 μ mol/L. Their findings offer that resveratrol can decrease oxidative stress and hyper-proliferation of the RPE.

They concluded that the evidence suggests that moderate wine consumption and antioxidant-rich diets (and likely Resveratrol supplementation – edit.) may protect against age-related macular degeneration (AMD), the leading cause of vision loss among the elderly. Development of AMD and other retinal diseases, such as proliferative vitreoretinopathy (PVR), is associated with oxidative stress in the retinal pigment epithelium (RPE), a cell layer responsible for maintaining the health of the retina by providing structural and nutritional support.



Resveratrol As Stroke Prevention Supplement

John Hopkins University Scientists recently issued their discoveries in a study on lab mice revealing that resveratrol may protect the brain from the harmful effects of a stroke. Dr Sylvain Dore, the leading scientist, stated that resveratrol may not be impeding the brain damage directly, instead, it may be actually triggering the cells to shield themselves from the free radical destruction that occurs after a stroke.

"It's not likely that brain cells can have high enough local levels of resveratrol to be protective," as "resveratrol is needed to jump-start this protective enzymatic system that is already present within the cells" however "even a small amount may be sufficient.", said Dr Dore.

By inducing a stroke on mice used a group getting resveratrol and one that didn't (control group) prior to making a stroke in both groups. The mice getting the resveratrol showed considerably less mutilation from the effects of the induced stroke than the control group.

To put it briefly, this research shows that resveratrol in relatively small amounts may act as a preventative measure against severe brain damage after a stroke.

The Power of Resveratrol & Réserve™ For Radiation

On Friday, March 11, 2011, one of the largest earthquakes of the past 100 years hit Japan. Measuring 8.9 on the Richter scale, the colossal quake was trailed by aftershocks as strong as 7.1-magnitude. Reports of major damage to Japan's nuclear power plants sparked extensive fears of radiation leaks and subsequent threats to life and health for more than 127 million residents.

Reservatrol is a main chemical compound found in the skins of grapes and in certain seeds, plants and fruits. It is a part of the nutritional family of antioxidants and polyphenols. Scientific studies on Resveratrol have shown its antioxidant power provides resistance before and after exposure to radiation. In 2008, a study was conducted at the University of Pittsburgh School of Medicine by lead scientist Joel S. Greenberger. He found that Resveratrol consumed after exposure to radiation intensified the body's resistance.(1) While it does not eliminate radiation itself, it does help to repair damaged cells.

Researchers from Colorado State University, Cell and Molecular Biology and Environmental and Radiological Health Sciences, and the School of Radiation Medicine and Public Health at the Medical College of SuZhou University in China

further discovered that Resveratrol not only protects the body from oxidative stress, but also shields against the damages of radiation.(2)

In view of the recent environmental disaster in Japan, these studies reinforced the powerful health benefits of Resveratrol in both a preventative and restorative manner. Réserve™ is a proprietary blend of essential antioxidants that combines Resveratrol with other "super fruits" such as Açai, Pomegranate, Blueberries and Dark Sweet Cherries. The benefits include reduction of cell inflammation, oxidative stress and pre-mature aging, while promoting a healthy immune system to combat free radicals.

How Resveratrol and Red Wine Activate Genes for a Longer and Healthier Life

Through continued learning and study, Dr. Joseph Maroon, the author of the book, *The Longevity Factor*, began to challenge the idea that disease and disability of aging are inevitable. Having seen the ravages of disease due to poor life choices on many of his patients, he realized that his job as a neurosurgeon was actually sick care not health care. He began to learn about methods treatments and nutritional factors that might prolong and improve our health, and reduce disease and disability. As part of a healthy lifestyle program, factors such as what we eat or don't eat become critical to whether our bodies function in a healthy way.

He discovered that fish oil, which contains omega 3s, can provide our cells improved function as well as importantly reduce inflammation. He incorporated its use in his neurosurgical practice, eventually publishing several landmark studies and writing a book on its use.

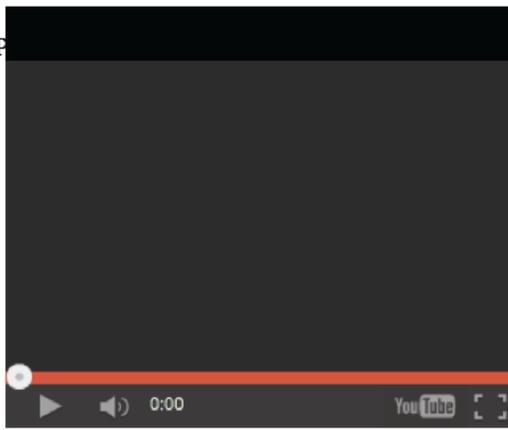
His interest in the subject of alternative treatments, combined with his diverse background knowledge and expertise, provided him with a unique and practical understanding of Harvard scientist David Sinclair's cornerstone work on aging. Dr. Sinclair recognized his ability to understand the diverse concepts of genetic activation, disease reduction and prolongation of life, which Dr. Maroon has embraced through research, treatment options and lifestyle.

David Sinclair and Joe Baur

Encouraged by Dr. Sinclair, he has written the first book on the subject of genetic activation and the use of food, such as red wine, supplements such as resveratrol, and lifestyle changes to improve health and prolong life.

Source: Simon and Schuster 2009

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Resveratrol & Lung Damage Prevention – Cigarette Smoke

The University of Rochester conducted an experiment on cigarette smoke with resveratrol, the lung cells of one group of mice were pre-treated with resveratrol (a SIRT1 activator) while the lung cells of another group of mice were pre-treated with sirtinol (a SIRT1 inhibitor). The scientists then filled the lung cells of both groups of mice with cigarette smoke. The mice that were pre-treated with resveratrol suffered less lung damage than the mice pre-treated with the SIRT1 inhibitor. We know mice don't smoke in nature but animal lungs function the same as humans. So, can resveratrol be used to reduce lung damage of human smokers?



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