









IMAGINE











À LifeVantage.

À Life Vantage. | ELITE ACADEMY

1968 = SOD

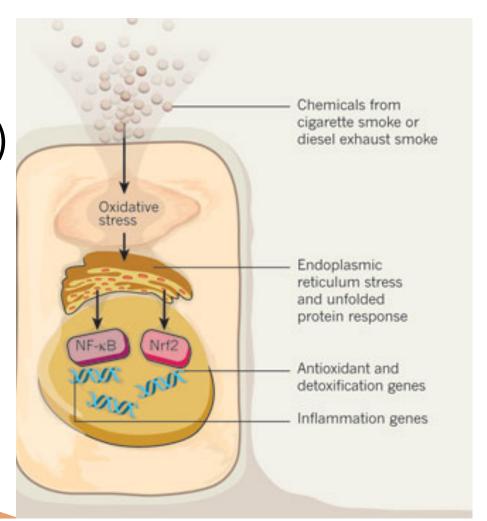
1999= Nrf2

2003 = Lifeline Ther. (Retail)

2009 = LifeVantage (MLM)

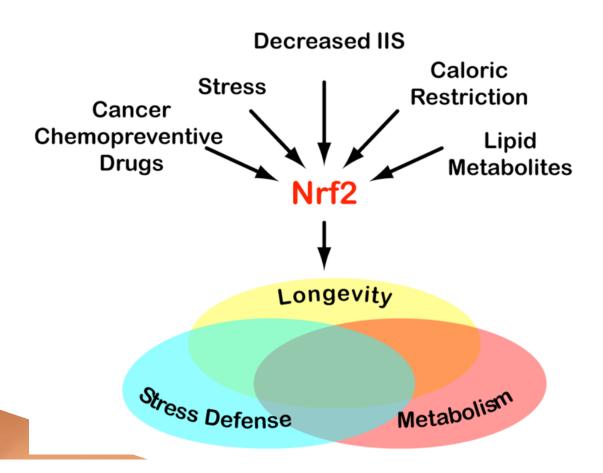
2015 = Nrf2 Science

Conference (UK)



Nrf2 as a Convergence Point for:

- Stress signals
- Metabolic signals
- Longevity signals





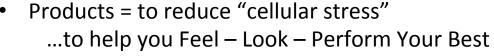




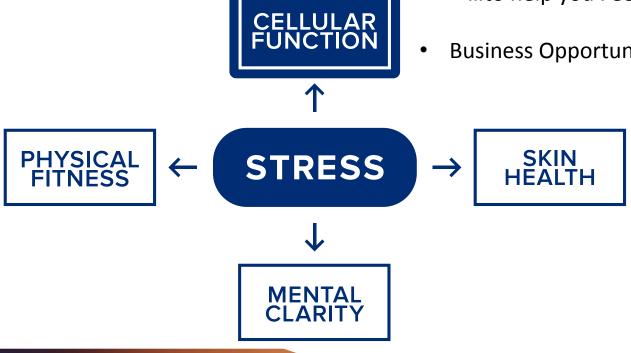


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Business Opportunity = to reduce "financial stress"



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Causes of Oxidative Stress

Smoking

Diet

OXIDATIVE

Medication & Treatments

Air & Water Pollutants

Fast Foods [McDonald's]

Stress

Lack of Good Nutrition

Pesticides

Alcohol

Exposure to Toxins

Inadequate Intake of Fruits & Vegetables

Contaminants

Excessive Exercise Inadequate amounts of physical activity

Just about everything we do results in oxidation (or inflammation) producing potentially damaging free radicals!

STRESS!



Vitamin E and the Risk of Prostate Cancer

The Selenium and Vitamin E Cancer Prevention Trial (SELECT)

Eric A. Klein, MD Ian M. Thompson Jr, MI Catherine M. Tangen, DrPH John J. Crowley, PhD M. Scott Lucia, MD Phyllis J. Goodman, MS Lori M Minasian MD Leslie G. Ford, MD Howard L. Parnes, MD L Michael Gaziano, MD, MF Daniel D. Karp, MD Michael M. Lieber, MD. Philip J. Walther, MD, PhD Laurence Klotz, MD J. Kellogg Parsons, MD, MH Joseph L. Chin, MD Amy K. Darke, MS Scott M. Lippman, MD Gary F. Goodman, MD Frank L. Meyskens Jr, MD Laurence H. Baker, DO

IFETIME RISK OF PROS cer in the United Sta rently estimated to be though most cases ar an early, curable stage, tre costly and urinary, sexual, a related adverse effects are related adverse effects are c Even men who choose activ lance as an initial managem egy face anxiety, uncertain p and a measurable risk of sepsi low-up biopsies, 3 and more are ultimately treated.45 Wi

Author Video Interview ava www.iama.com.

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1150 THE NEW ENGLAND JOURNAL OF MEDICINE

JOHN BALMES, M.D., MARK R. CULLEN, M.D., ANDREW GLASS, M.D., JA Frank L. Meyskens, Jr., M.D., Barbara Valanis, Dr.P.H., James H. Scott Barnhart, M.D., M.P.H., and Samuel Hammar,

LUNG cancer is the leading cause of death from cam-ment of the control of the control of the control of the control of deaths from cancer and 6 percent of all deaths. New approaches are essential to prevent lung cancer in persons who have smooded eligarettes or who have had occupational exposure to asbestos. Twen-ty-nine percent of men and 25 percent of women who are \$0 to \$0 years of age currently smode," and at least and the control of the control of the control of the control of the group are former smokers. An estimate 4000 to 8000 deaths from lung cancer per year are attributed to ex-posure to asbestos.

Dosure to absents. So for para are automated to posure to absents of epidemiologic observations and laboratory studies, beta carotene and vitamin A have attracted wide interest as agents that may prevent lung cancer. So The Beta-Carotene and Retinol Efficacy Trial (CARET) is one of several recent trials to assess the

EFFECTS OF A COMBINATION OF BETA CAROTENE AND VITAMIN A CARDIOVASCULAR DISEASE

GILBERT S. OMENN, M.D., PH.D., GARY E. GOODMAN, M.D., M.S., MARK

Abstract Background: Lung cancer and casdrosses clair diseases are major causes of death in the United States. It has been proposed that cardenoids and released are agents that may provent these disorders.

States. It has been proposed that cardenoids and released to the control of the cardenoids and released to the cardenoids and released

Study Design

five years.

The New England Journal of Medicine
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chemopreventive efficac and related agents. 10-13 This report presents CARET study, which coi of the steering committee to stop the trial's active ditional end points is ex five years.

randomly assigned in a 1:1 rs 15 mg of beta carotene per da tive treatment) or placebo; the

ther visuali (Feed-yes oo dui, additional study curries in 186 donly assigned in a 1st ratio damp assigned in a 1st ratio damp assigned in a 1st ratio damp assigned in a 1st ratio and the study of the control of the

Workers exposed to asbestos were men 45 to 74 years of age is the pilot study and 45 to 69 years of age in the later period of re

 α -Tocopherol and β -Carotene Supplements and Lung Cancer Incidence in the Alpha-Tocopherol, Beta-Carotene Cancer Prevention Study: Effects of Base-line Characteristics and Study Compliance

Demetrius Albanes, Olli P. Heinonen, Philip R. Taylor, Jarmo Virtamo, Brenda K. Edwards. Matti Rautalahti, Anne M. Hartman, Juni Palmgren, Laurence S. Freedman Jaason Haapakoski, Michael J. Barrett, Pirjo Pietinen, Nea Malila, Eero Tala, Kari Liippo Eija-Riitta Salomaa, Joseph A. Tangrea, Lyly Teppo, Frederic B. Askin, Eero Taskinen, Yener Erozan, Peter Greenwald, Jussi K. Huttunen*

Background: Expe suggest that α-toco of vitamin E found other foods) and

precursor of vitar dark-green, leafy the risk of cancer,

ings of the Al Prevention Study lung cancer incic who received β-c:

were recently repo ficacy Trial (CAI carotene and vita of α-tocopherol a

cidence of lung c

age, number of ci status, and alcoho in relation to clin

tologic type. Ou whether the patter

could facilitate fu Study results and

tion and relevar

or more cigaret receive α-tocoph tocopherol and β (median, 6.1 years

factors for lung ca

study entry, along tocopherol and β-= 894) were identi

and death certifica pendently confirm able for 94% o evaluated by use hazards models.

1560 ARTICLES

Antioxidant Supplementation Increases the Risk of Skin Cancers in Women but Not in Men¹

Serge Hercberg,^{2,1}* Khaled Ezzedine,^{2,4} Christiane Guinot,^{5,6} Paul Preziosi,² Pilar Galan,² Sandrine Bettrais,² Carla Estaquio,² Serge Briançon,⁷ Alain Favier,⁸ Julie Latreille,⁵ and Denis Malvy⁹

³ DAS AUT Frame ULI 31 Intel ADAID Count bins. Part 1 Is, Series, Parts 1981 (S. Vinda de Intellinen et al Equipment of Countries and Cou

aduce the risk of skin cancers (SC). It was performed within the framework of the Supplementation in Vitamins and Mineral Antioxidants study, a randomized, double-blinded, placebo-controlled, primary prevention trial testing the efficacy of nutritional doses of antioxidants in reducing incidence of cancer and ischemic heart disease in the general population French adults (1876 women and 5141 man) were randomized to take an orall daily capsule of antioxidants (1920 μ) and μ) were randomized to take an orall daily capsule of antioxidants (1920 μ) and μ) are randomized to take an orall daily capsule of antioxidants (1920 μ) and μ) are randomized to take an orall daily capsule of antioxidants (1920 μ) and μ) are randomized to take an orall daily capsule of antioxidants (1920 μ) and μ) are randomized to take an orall daily capsule of antioxidants (1920 μ). up was 7.5 y. A total of 157 cases of all types of SC were reported, from which 25 were melanomas. Because the effect of antioxidiants on SC incidence varied according to gender, men and women were analyzed separately. In women, the incidence of SC was higher in the antioxidiant group leafuncted hazard ratio factuated HFM = 1.88, P = 0.03. Conversely, in men, incidence did not differ between the 2 treatment groups featured HFM = 0.08, P = 0.11. Separate the small number of events, the incidence of melanoma was also higher in the antioxidant group for women (adjusted HB = 4.31; P = 0.02). events, the incoence of meanorms was also ingrief in the antioxolonit group for women laugusted H $\pi = 4.31$; P = 0.02. The incidence of nonmelanorms SC did not differ between the antioxident and placebo groups (adjusted HR = 1.37; P = 0.22 for women and adjusted HR = 0.72, P = 0.19 for men). Our findings suggest that antioxident supplementation affects the incidence of SC differentially in men and women. J. Nutr. 137: 2089-2105, 2007.

Introduction

Melanoma and nomenlaroma skin cancers (SC_s). In amoly squaremous educations (SCC) and basal cell carcinoma (BCC), are the most common forms of analigancy in the Gaussian population (1) and un exposure is thought to be the main established more interest to the cancer of the cancer Melatoma and nomelations akin cancers (SC), ¹⁰ namely squa-mona cell carcinoma (SCC) and based cell carcinoma (SCC), are latino (1) and use consume the consumer to the tension of the latino (1) and un exposure is rhought to be tension established risk factor for all 3 types of tumor (2). An aging population, more intense exposure to 10' ray due to depleation of the cannot more intense exposure to 10' ray due to depleation of the cannot more intense exposure to 10' ray due to depleation of the cannot have been consumed to the consumer to the consumer to the Numerous studies have demonstrated the role of reactive.

0022-3166/07 \$8.00 © 2007 American Society for Nutrition
Manuscript received 28 February 2007. Initial review completed 21 March 2007. Revision accepted 22 June 2007.

of free radicals in the skin can be enhanced by UV:

Annals of Internal Medicine

NIH CONFERENCE

The Efficacy and Safety of Multivitamin and Mineral Supplement Use To Prevent Cancer and Chronic Disease in Adults: A Systematic Review for a National Institutes of Health State-of-the-Science Conference

Han-Yao Huang, PhD, MPH; Benjamin Caballero, MD, PhD; Stephanie Chang, MD; Anthony J. Alberg, PhD, MPH; Richard D. Semba, MD, MPH; Christine R. Schneyer, MD; Rence F. Wilson, MSc; Ting-Yuan Cheng, MSc; Jason Vassy, MPH Crepory ProSpowlork; MD, MPH; Ceorge J. Barnes II, BA; and Eric B. Bass, MD, MPI.

Background: Multivitamin and mineral supplements are the most commonly used dietary supplements in the United States.

Purpose: To synthesize studies on the efficacy and safety of multin/mineral supplement use in primary prevention of cancer and chronic

gastric cancer and the overall mortality rate from cancer by 13 % to 21%. In a French trial, combined supplementation with vitamin C, vitamin Ε, β-carotene, selenium, and zinc reduced the rate of cancer by 31% in men but not in women. Multivalimal and minieral supplements had no significant effect on cardiovascular disease

ORIGINAL INVESTIGATION

Data Sourc EMBASE, a

Study Select viewed to observations safety. Data Extra

Data Synth that assesse trials and 3 quality was disease, cat for the stu population, erol, and se LESS IS MORE

Dietary Supplements and Mortality Rate in Older Women

The Iowa Women's Health Study

Jaakko Mursu, PhD; Kim Robien, PhD; Lisa J. Harnack, DrPH, MPH; Kyong Park, PhD; David R. Jacobs Jr, PhD

Background: Although dietary supplements are commonly taken to prevent chronic disease, the long-term health consequences of many compounds are unknown. Multi States (1) Examinati

Methods: We assessed the use of vitamin and mineral supplements in relation to total mortally in 38 772 older women in the low Women's Health Suby, mean age was 61.6 years at baseline in 1966. Supplement use was self-reported in 1966, 1997, and 2004. Through December 131, 2008, a total of 15 594 deaths (40.2%) were identified through the State Health Registry of Iowa and the National Death Index. use multiv quate inta monly us supplement Many cluding ci style, and these facto

Results: In multivariable adjusted proportional hazards regression models, the use of multivitamins (hazard ratio, 10.6) 99% C.1, 102-1.10, absolute risk increase, 2.4%), vitamin B, (1.10; 1.01-1.21; 4:1%), folic acid (1.15; 1.00-1.21; 4:1%), folic acid (1.15; 1.00-1.22; 5:4%), iron (1.10; 1.03-1.17; 3:9%), magnesium (1.08; 1.01-1.15; 3.6%), zinc (1.08; 1.01-1.15; 3.0%), and cop-

per (1.45; 1.20-1.75; 18.0%) were associated with in-creased risk of total mortality when compared with corre-sponding nonuse. Use of calcium was inversely related (hazard ratio, 0.91; 95% confidence interval, 0.88-0.94; absolute risk reduction, 3.8%). Findings for iron and calcium were replicated in separate, shorter-term analyses (10-year, 6-year, and 4-year follow-up), each with approximately 15% of the original participants having died, starting in 1986,

Conclusions: In older women, several commonly used dietary vitamin and mineral supplements may be associated with increased total mortality risk; this association is strongest with supplemental iron. In contrast to the findings of many studies, calcium is associated with

Arch Intern Med. 2011;171(18):1625-1633

damage, i

Author Affiliations: Department of Health Sciences, Institute of Public Health and Clinical Nutrition, University of Clinical Nutrition, University of Eastern Finland, Kuopio Campus, Kuopio, Finland (Dr Mursu); Division of Epidemiology and Community Health, School of Public Health. University of Mini Robien, Harnack, and Jacobs); niversity, Gyeongbuk, tepublic of Korea (Dr Park);

past several decades,1-3 reaching past several decades, ** reaching to 2000, with annual sales of more than \$20 billion.** \$\$Stay-sis percent of women participating in the lowa Women's Health Study' used at least 1 dietary supplement daily in 1986 at an average age of \$2 years; \$100,000, the proportion increased to \$5%. Moreover, \$27% of women reported using 4 or more supplemental products in 2004. At the population level, dietary supple-ments contributed substantially to the total intake of several nutrients, particularly in elderly individuals.1,2

elderly individuals. "2"
Supplemental nutrient intake clearly is beneficial in deficiency conditions. "However, in well-nourished populations, supplements often are intended to yield benefit by preventing chronic diseases. Results of

epidemiologic studies59 assessing supplement use and total mortality risk have been inconsistent. Several randomized con-trolled trials (RCTs), 10,11 concentrating mainly on calcium and vitamins B, C, D, and E, have not shown beneficial effects of

See Invited Commentary and Editor's Note

dictary supplements on total mortality rate; in contrast, some """ have suggested the possibility of harm. Meta-analyses" "concentration of the properties of the properties of the properties of the properties are widely used, and further studies regarding their health effects are needed. Also, little is known about the long-term effects of multivitamin use and less commonly used supplements, such as iron and other minerals.

ARCH INTERN MED/VOL 171 (NO. 18), OCT 10, 2011 WWW.ARCHINTERNMED.COM

N THE UNITED STATES, THE USE OF

dietary supplements has in-creased substantially during the

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Circulation

Heart Failure

Chronic Pulmonary Artery Pressure Elevation Is Insufficient to Explain Right Heart Failure

Harm J. Bogaard, MD. PhD*: Ramesh Natarajan, PhD*: Scott C. Henderson, PhD:

Free Radical Biology & Medicine 50 (2011) 700-709

Contents lists available at ScienceDirect

Free Radical Biology & Medicine

journal homepage: www.elsevier.com/locate/freeradl

ке Original Contribution

Protandim attenuates intimal hyperplasia in human saphenous v ex vivo via a catalase-dependent pathway

Binata Joddar a,b,c, Rashmeet K. Reen b,d, Michael S. Firstenberg e, Saradhadevi Varadl Jay L. Zweier b, Keith J. Gooch a,b,*

- ^a Department of Biomedical Engineering, The Ohio State University, Columbus, OH 43210, USA

- Department of somerecaute ingenerering, the Outs assist University, Columbius, 047-1210, CoX
 Abuss Heart of Lang Research Institute. The Olid State University, Columbius, 047-1210, CoX
 RIEXIN Nanomedical Engineering Laboratory, Wildo-shi, Sattema 354-0193, Ippon
 Popurtment of Surgey, The Olid State University, Columbia, 047-1210, USA
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 Devision of Palimorary and Critical Card. Medicine. Department of Medicine. University of Colorado at Denver, Aurora, CO 80045, USA

ARTICLE INFO

Article history: Received 26 August 2010 Revised 7 December 2010 Accepted 8 December 2010 Available online 15 December 2010

Scavenging enzymes Catalase Human saphenous veins

Human saphenous veins (HSVs) are widely used for bypass grafts desp patency. To evaluate the role of reactive oxygen species (ROS) signaling stage pathology of vein-graft disease, and to explore the potential th endogenous antic

model of HSV IH.

~3.6-fold increase catalase activity by during Skin Carcinogenesis

cultured HSV and Delira Robbins¹, Xin Gu², Runhua Shi⁶, Jianfeng Liu¹, Fei Wang³, Jacqulyne Ponville⁴, Joe M. McCord⁵ Yunfeng Zhao1*

2 Department of Pathology, Louksians State University Neith Science Cortex, Serveyort, Louksian, United States of America, Science College of the Science, All Intellects of America, Serveyord, College of the Science, All Intellects of America, Serveyord, College of the Science, America, Serveyord, Evaluation, Serveyord, College of College

(10) Patent No.:

(12) United States Patent Myhill et al.

COMPOSITIONS FOR ALLEVIATING INFLAMMATION AND OXIDATIVE STRESS IN A MAMMAL

William J. Driscoll, Englewood, CO

(73) Assignce: Lifeline Nutraceuticals Corporation,

Subject to any disclaimer, the term of this

Al-Shner, "C-Reactive Protein and 2004; vol. 291, No. 23: pp. 2818-2 Andersos, et al., "Differential Part Cells to Induction of Apoptosis by V E Analogue, et al., "Reduced RBC Verse, Rakker, et al., "Reduced RBC Verse, Barbona, et al., "Decreased Oxidati-riative Colitis Supplemented with airve Colitis Supplemented with Battleburge et al. "Amicovidant

(45) Date of Patent:

Bhattacharya, et al., "Antioxidant from Withania sominfera," Ind. J. 236,230

Associa Protandim, a Fundamentally New Antioxidant Approach in Chemoprevention Using Mouse Two-Stage Skin Carcinogenesis as a Model

Jianfeng Liu¹, Xin Gu², Delira Robbins¹, Guohong Li³, Runhua Shi⁴, Joe M. McCord⁵, Yunfeng Zhao¹⁺

Togesterner of Pharmacology, Todology & Neuroscicons, Louisian State University Intells Sciences Centre, Diversity Louisians, United States of America. Department of Particupy, Jouannia State University Hamis Excess Centre, Streegor, Louisians, Louisians, Daparment of Pharmacopy, Louisians, Daparment of Pharmacopy, Louisians, Dates University Hamis Excess Centre, Daparment of Pharmacopy, Louisians, Loui

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Obtained stress is an important contributor to cancer development. Consistent with that, antioxidant enzymes have been demonstrated to suppress tumorigenesis when being elevated both in vitro and in vivo, making induction of these enzymes have been demonstrated to suppress tumorigenesis when being elevated both in vitro and in vivo, making induction of these enzymes have been shown to induce supervoide demorates (100) and catables activities and reduce supervoide generation and lipid peroxidation in healthy human subjects. To investigate whether Protandim can suppress tumor formation by a deletal peroxidation in the healthy human subjects. To investigate whether Protandim can suppress tumor formation by a deletal perioxidation in the integer mouse bits carcinogenesis study loss performed. At the end of the study, the mice on a Protandim-containing basel olic had similar body weight compared with those on the basel diet, which indicated no over toxicity by addition to the increase in SDD schildles. The protandim containing basel olic had similar body weight compared with those on the basel diet. Which indicated no very toxicity by addition to the increase in SDD schildles. Importantly, at the end of the scancepanesis study, both sink tumor incidence and multiplicity were reduced in the mice on the Protandim diet by 31% and 51% respectively, compared with those on salad idet. Blockmenical and histological studies revealed that the Protandim diet suppress tumor promoterior-induced oxidative stress (evidenced by reduction of protein cathonyl events), cell profileration felicienced by reduction of growing and enzymes by Protandim expression. N=28 bilding activity, and nuclear position [believe], toward induction of antioxidate enzymes by Protandim expression. N=28 bilding activity, and nuclear position [believe], toward induction of antioxidate enzymes by Protandim enterpress, n=28 bilding activity, and nuclear position [believe]. The protandim enterpress n=28 bilding activity, and nuclear position [believe] toward expression, NF-xB binding activity, and nuclear p65/p50 levels). Overall, induction of antioxidant enzymes by Protandin may serve as a practical and potent approach for cancer prevention.

> The Dietary Supplement Protandim[®] Decreases Plasma Osteopontin and Improves Markers of Oxidative Stress in Muscular Dystrophy Mdx Mice

> > Muhammad Muddasir Qureshi, MD, MPH

Warren C. McClure, MS Nicole L. Arevalo, MA Rick E. Rabon, BA Benjamin Mohr Swapan K. Bose, BS, BPharm Joe M. McCord, PhD Brian S. Tseng, MD, PhD

PLos one

Protandim, a nutt enzymes in severa The Chemopreventive Effects of Protandim: Modulation isolated HSV. Proi of p53 Mitochondrial Translocation and Apoptosis 1 chil ved in

Abstract

Protandim, a well defined dietary combination of 5 well-established medicinal plants, is known to induce endogenous antioxidant enzymes, such as manganese superoxide dismutase (MinSOD). Our previous studies have shown through the induction of various antioxidant enzymes, products of oxidative damage can be decreased in addition, we have shown that discussion of the control of the control oxidation oxida



PLoS one

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Original Contribution

Synergistic induction of heme oxygenase-1 by the components of the antioxidant supplement Protandim

Kalpana Velmurugan a,b, Jawed Alam c, Joe M, McCord d, Subbiah Pugazhenthi a,b,*

ELSEVIER

ARTICLE INFO

Article history: Received 8 July 2008

SCIENCE CO DIRECT.

Free Radical Biology & Medicine 40 (2006) 341 - 347



Original Contribution

The induction of human superoxide dismutase and catalase in vivo: A fundamentally new approach to antioxidant therapy

Sally K. Nelson a,b, Swapan K. Bose a, Gary K. Grunwald c, Paul Myhill d, Joe M. McCord a,b,d,*

* Webb-Waring Institute for Cancer, Aging and Antioxidant Research, University of Colorado Denver Health Sciences Center, Denver, CO 80262, USA ment of Medicine, University of Colorado Denver Health Sciences Center, Denver, CO 80262, USA nutive Medicine and Biometrics, University of Colorado Denver Health Sciences Center, Denver, CO 80262, USA ⁸ Lifeline Therapeutics, Donver, CO, USA

Received 22 June 2005; revised 24 August 2005; accepted 28 August 2005

Abstract

A composition consisting of extracts of five widely studied medicinal plants (Protandim) was administered to healthy human subjects ranging in age from 20 to 78 years. Individual ingredients were selected on the basis of published findings of induction of superoxide dismutase (SOD) and/or catalase in roderin is rivive, combined with revidence of decreasing lipid peroxidation. Each ingredient was present at a dosage sufficiently tow to avoid any accompanying unwanted pharmacological effects. Blood was analyzed before supplementation and after 30 and 120 days of supplementation (675 mg/day). Erythrocytes were assayed for SOD and catalase, and plasma was assayed for lipid peroxidation products a stances (TBARS), as well as uric acid, C-reactive protein, and cholesterol (total, LDL, and HDL). Before

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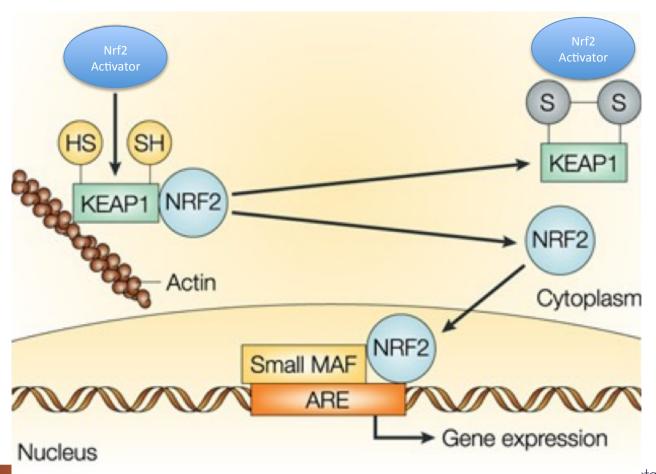
journal homepage: www.elsevier.com/locate/mam



Oxidative Stress in Health and Disease: The Therapeutic Potential of Nrf2 Activation

Brooks M. Hybertson, a,b Bifeng Gao, a Swapan K. Bosea and Joe M. McCorda,b

Department of Medicine, Division of Pulmonary Science and Critical Care Medicine, University of Colorado at Denver, Aurora, CO 80045 bLifeVantage Corporation, 10813 S. Riverfront Parkway, South Jordan, UT 84095



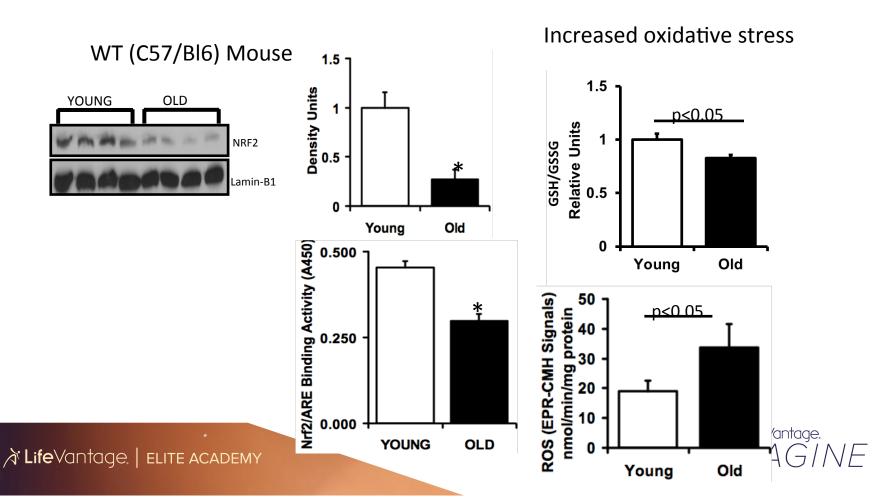
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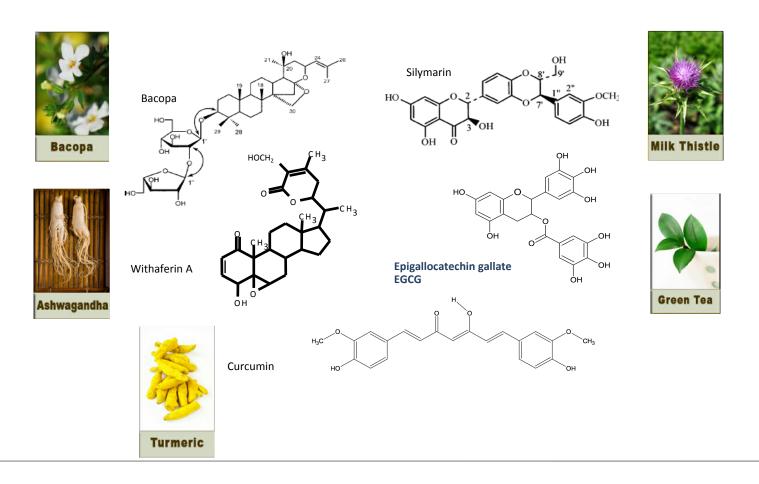
Don't *Take* Antioxidants *Make* Antioxidants!

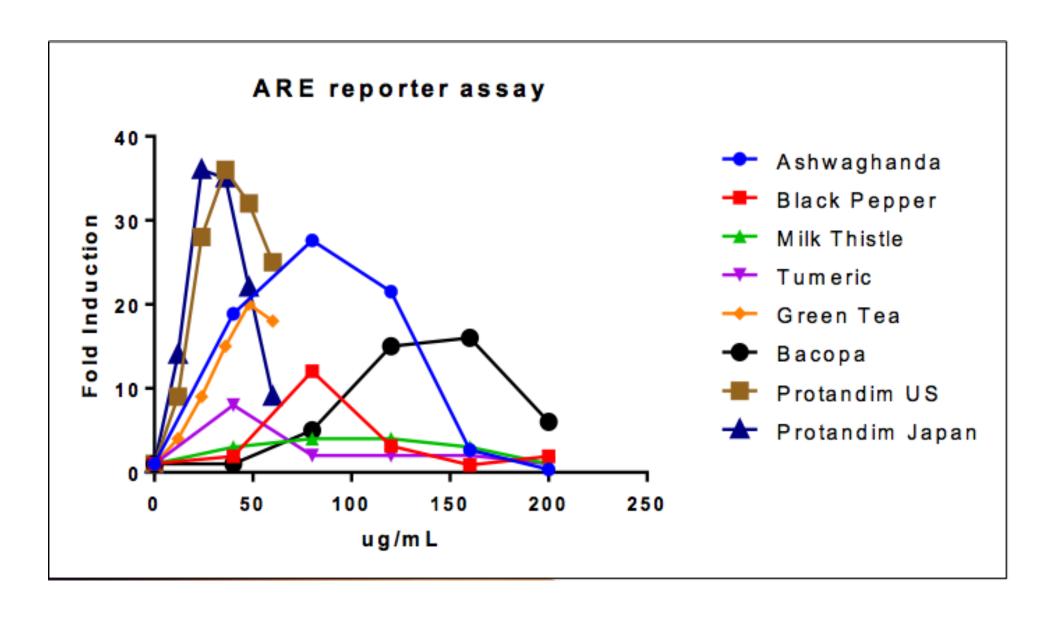
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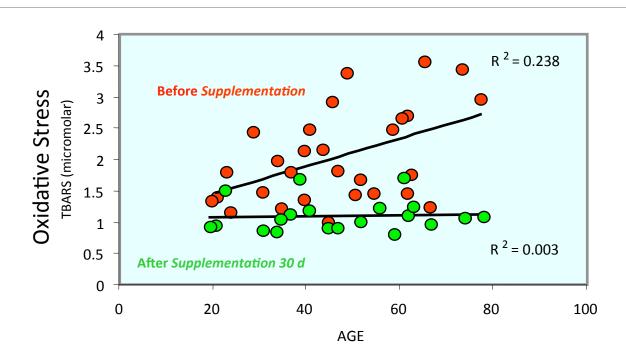
Nrf2 Declines with Age and Induces Oxidative Stress



Nrf2 = a powerful "master regulator" of antioxidant enzymes and survival genes







After 30 days...

"Remarkably, this age-dependent increase in TBARS was almost completely abolished by Protandim treatment (Fig. 1D), with an overall average reduction of the oxidative stress marker by 40%."

Look Your Best





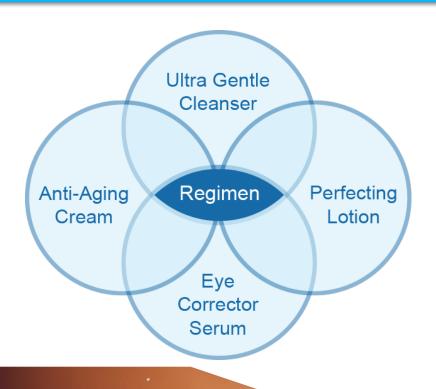
What constitutes Enhanced Nrf2 Technology?

- Original 5-plant blend (Bacopa, Milk Thistle, Turmeric, Green tea, Black Pepper extracts)
- Enhanced with:
 - Brassica extracts (cabbage, broccoli, cauliflower, wasabi. ...)
 - Plantain (Plantago) extract
- Steps up the skin's own protective barrier against oxidative stress





Enhanced Nrf2 Skin Care Regimen



- Working together to rejuvenate and heal aging skin
- With the latest in enhanced Nrf2 technologies for more protection against oxidative stress
- Yuzu fragrance in all but eye serum



LOOK Your Best...

TrueScience Regimen is equal/better compared to top "prestige" brands

Competitor	Study of 86 ladies	TS @ 28 Days	TS @ 56 Days
89% Perricone MD Cold Plasma at 4 weeks 75% Jeunesse Global Luminesce Cellular Rejuvenation at 8 weeks	Smoother looking skin	89%	94%
80% Nu Skin TruFace at 3 months	Firmer looking skin	81%	85%
78% L'Oreal Youth Code at 8 weeks	Younger looking skin		87%
70% Lancôme Dream Tone at 8 weeks 79% SkinMedica Lytera at 12 weeks	More even skin tone		83%
79% Clarins Double Serum at 4 weeks [Hydric + Lipidic System] 80% Nu skin 180°System at 8 weeks	Less noticeable fine lines and wrinkles	78%	82%

Cold Plasma is a trademark of Perricone MD
Youth Code is a trademark of L'Oreal
Dream Tone is a trademark of Lancôme
Lytera is a trademark of SkinMedica
Double Serum [Hydric + Lipidic System] is a trademark of Clarins

A Life Vantage.

FREEDOM

Versus Select Competitive Ads*

Less Thymine Dimers with TrueScience

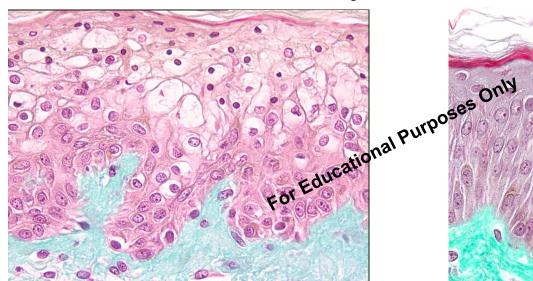
TrueScience™ Facial Cream with Nrf2 protects the cell DNA!





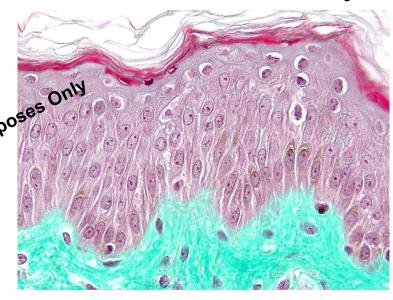
Help your Skin...

Retinol Facial Cream after 7 days



6 to 7 cell layers with damaged and bloated cells & pyknotic nucleus (condensed chromatin);

Nrf2 Facial Cream after 7 Days



6 to 7 cell layers with good $50 \, \mu m$ morphology and organization Denser dermis MAG/NE

Research on TS regimen and Skin Explants will be presented at the International Federation of the Society of Cosmetic Chemists (IFSCC) in September 2015 in Zurich, Switzerland

Title: Anti-aging effect of a new topical cream demonstrated by gene modulation and morphology studies of the skin layers

Objective: With aging comes great wisdom and older looking skin. For years, retinoids have been held forth as the gold standard of anti-ageing treatments. Adverse effects to retinoids, which are limiting their continued use, prompted us to develop alternative molecules behaving superiorly in terms of tolerability, stability and efficacy. We present a new cream (TS cream) that showed extensive anti-ageing efficacy throughout all skin layers with morphologically significant reorganization at the cellular level.......

Title: A new four product skin care regimen for the treatment of intrinsic and extrinsic aging

Objective: Customers combine many cosmeceutical products to regain their youthful look, even though they have not been tested together. Thus we designed a 4-product regimen which is complementary in its composition, synergistically addressing many aspects of skin aging. Although the regimen did not contain any UV filters, it contained a unique blend of botanicals which confers unexpected protection against UV-induced oxidative stress and DNA damage.....



TrueSciencetm Facial Cream with Advanced Nrf2 Technology has been shown to:

- Increase Nrf2 Protein amount, thus improve resistance to oxidative stress
- Boost skin protection from UV exposure by reducing DNA damage
- Fight the signs of aging though all layers of the skin





Shaving - Results



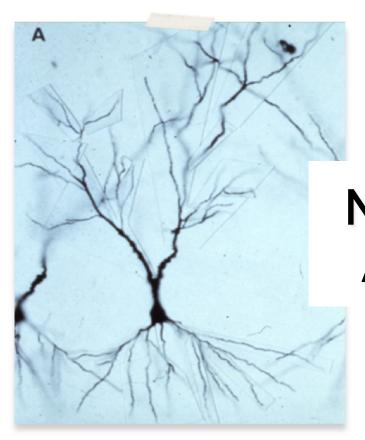
- Irritation Reduced 32%
- Barrier Function Improved 28%
- High Response rate (85%-100%)
- Good for Guys! (Bulletproof Skin)



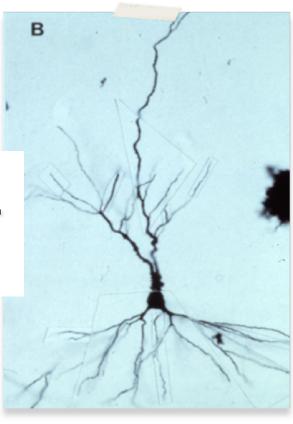
PERFORM Your Best...



Tired, Stressed, Depressed... "Off"



NEURONAL ATROPHY



NORMAL STRESS
Healthy, Large, Many Projections, Optimal Function

HIGH STRESS

Small, Thin, Disrupted, Structural Damage, Poor Function







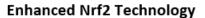
AXIO ENERGY

AXIO ENDURE

- Energy Boost No Jitters
- Increases concentration
- Helps improve learning performance & mental acuity
- Promotes positive mood
- Provides protection from cellular stress
- Helps support normal nervous system function
 brain health

SustainedEnergy





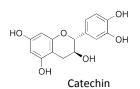


New Zealand Pine Bark,	Nrf2 activators.
Green Tea, Quercetin	Help protect against cellular stress.

Additional Ingredients

Suntheanine (L-theanine)	Helps promote a state of alertness without the jitters. Helps improve learning performance, focus, & mental acuity.
Magnesium	Helps support normal nervous system function & brain health. Promotes healthy energy metabolism.
B Vitamins	Helps maintain normal cellular function. Helps promote a positive mood. Helps support optimal working memory. Helps reduce fatigue and promotes healthier energy.
*Caffeine	Helps promote alertness, mental clarity, & sense of energy.
*DMAE	Helps support normal brain & nervous system function. Helps optimize memory & attention.

^{*}Ingredients only found in Axio Energy



With Natural Flavors, Sweetener and Color

$$HO \longrightarrow NH_2 \longrightarrow N$$

L-Theanine

À LifeVantage.

Quercetin

Axio : "Multi-Dimensional" Smart Energy

1 part
Physical Energy

Mental focus

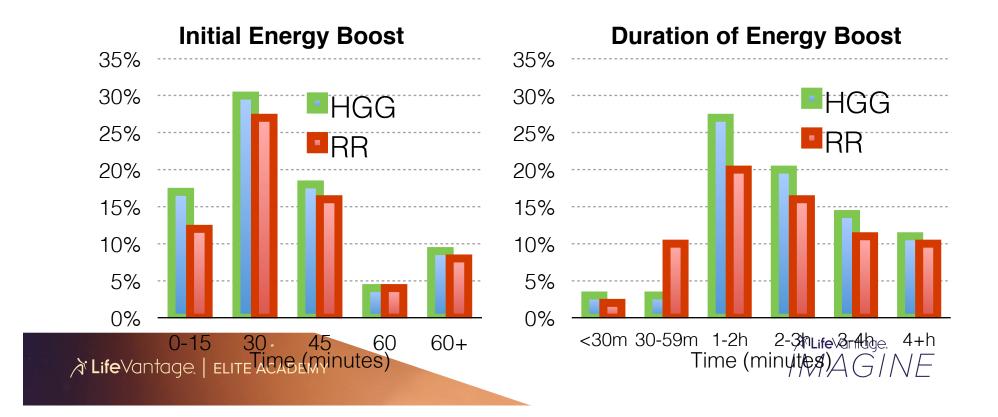
1 part
Brain Protection
1 part
Improved Mood

1 part
Stress Resilience

1 part



Axio Usage Survey



Axio Usage Survey



Axio Usage Survey

- "It felt like a morning cup of coffee with the energy it gave me, but more than that it improved my focus."
- "I liked the energy that it gave me, I would say it lasted pretty good maybe 4 or 5 hours."
- "I was pleasantly surprised at this product's ability to keep me energized, awake and focused without harmful stimulants and without feeling nervous, jittery or having rapid heart rate. I would take this over caffeine any day."
- It was a very subtle transition to having energy, just like I **naturally** had the energy. It was a good amount of energy too. **Not too wired,** not too draggy. **The perfect amount.** I didn't feel like it wore off halfway through the day or that I needed more energy. I also did not have a difficult time falling asleep at night because of it. I would **definitely buy this** instead of many other energy drinks or supplements."









à Life√antage. IMAGINE

DEADLY ANTIOXIDANTS

Why Your Daily Vitamins May Be Causing Cancer and Shortening Your Life and How Nrf2 Can Turn on Your Body's Own Antioxidants for Optimal Health

SHAWN TALBOTT, PH.D.



À Life Vantage. | ELITE ACADEMY

BROCHURE COMBO PACK



- 25 The Cancer Breakthrough

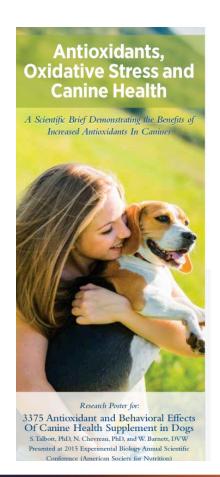
- 25 The Nervous System Breakthrough 25 The Cardiovascular Breakthrough 25 The Skin Health Breakthrough 25 The Canine Breakthrough

LifeVantage Lab Series



- NEW Episode 1
 - Product Overview w/Axio
- NEW Episode 7
 - Scientific Advisory Board
- LifeVantage LIVE! webinars
 - March 4 (Nrf2 Science)
 - April 22 (Protandim/CH)
 - May 6 (Nrf2 & Skin)
 - <u>LifeVantage.com/Live/</u>

X LifeVantage, IMAGINE



Antioxidant and Behavioral Effects of Canine Health Supplement in Dogs

Conclusions

Dietary supplementation of dogs for 60-days with Canine Health resulted in a significant improvement in overall owner perception of pet behavior, as well as notable trends for an increase in catalase, a reduction in TBARs, and improved cognitive function.





The Proven Science Behind Nrf2's Benefits for Athletic Performance and Active Lifestyles

SHAWN TALBOTT, PH.D.

Mitochondrial Biogenesis in Response to Exercise or Hydrogen Peroxide Treatment Is Not Blunted by Upregulation of Endogenous Antioxidants

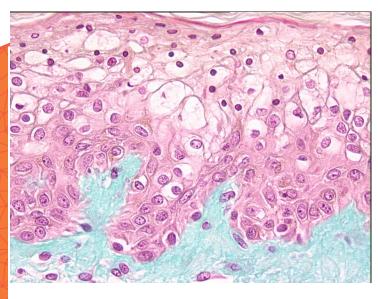
Major Findings:

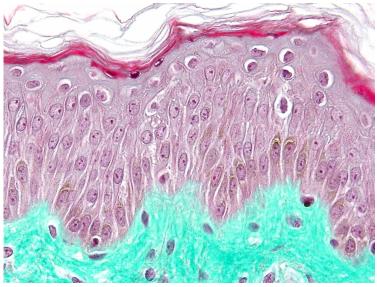
- Vitamin C supplements reduced cellular adaptations to exercise training
- Protandim supplementation allowed normal post-exercise cellular adaptations





The Proven Science Behind Nrf2's Skin-Protecting Benefits

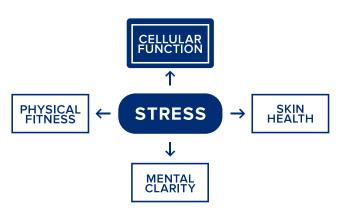


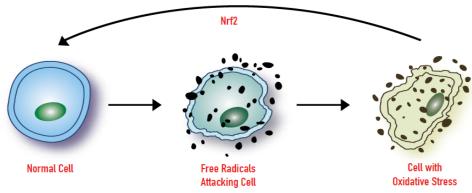


SHAWN TALBOTT, PH.D.

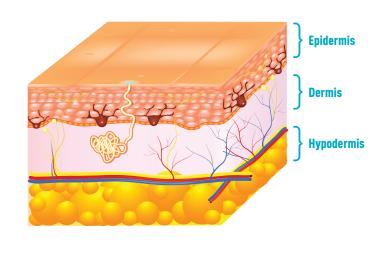
à LifeVantage. IMAGINE

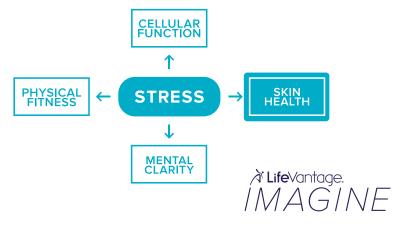












Nrf2Science

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LifeVantage Value Proposition

Unmatched opportunity to build an independent health business

