

Health for You:

12. Supplements and Super-foods

Supportive or Risky

This lesson is a short summary on the results of my research and experience in dealing with 'vitamin formulas' and the taking of separate 'vitamins' as opposed to whole foods. When vitamins are taken separately or in formulas, it is a totally unnatural situation for the body. Our body was designed to get its nutrients from whole, natural foods in their natural state.

The interest in what we now call 'vitamins' didn't occur until man was killing himself in record numbers from having refined his food to the point it was now deficient. A man named Dr. Casmir Funk in 1912 'discovered' the substance that prevented beri-beri: and named it "vitamin", short for Vital Amine. He should have called it after himself like many scientists do, so we could all take our 'Funkies' today. These 'vitamins' are the most refined and unnatural of foods. In the article on 'Rats', the fact that the refined diet rats were given vitamin supplementation did not help them in any way to improve their health.

At first there were considered to be only a few 'funkies' but now there are dozens and the list grows continually. Far better to stop playing 'mad scientist' and return to the whole natural foods God gave us for our diet.

Mega Dose Supplements

So what does happen when we take these things? Well, often at first we definitely 'feel better' but after a while the effect wears off and we add another 'vitamin' or increase our dosage and again feel well for a while, only to have the effect wear off again. Ring any bells? It should; this is typical of the body's reaction to drugs and stimulant-poisons such as caffeine, nicotine and so on. Let's face it; it is totally unnatural for our bodies to receive these super-doses of isolated nutrients. Mega-dose vitamins work on the body like drugs and will never restore one to full health. They may make him feel better temporally, like a stimulant, but in the long run will prevent him from obtaining optimal health.

What about vitamin C and 'colds'? Well a 'cold' is the body's attempt to cleanse itself; it is trying to do some serious housecleaning. A high dose of chemical thrown in at that time, forces the body to stop its cleansing and turn its attention to clearing out the chemical. It appears the 'cold' has gone away. The body can only deal with one crisis at a time.

That is how most drugs work; you will find the detailed account of this in the articles on 'Understanding Disease' by Dr. Joel Robbins. How does an aspirin work to 'cure' a headache? Well it irritates the stomach, causing it to bleed a little. The body turns its attention to the stomach and you don't feel the headache any more until the body gets the stomach crisis settled, and turns its attention back to the problem in the head.

Often the true cause of a headache is slight dehydration of the body and the glass of water with the pill may be of more benefit than the painkiller. Try it next time you have a headache; take one glass of water every 20 minutes until the headache is gone. It works most of the time and if it doesn't, look for lack of fresh air, or need of sleep as the cause.

Certainly vitamins and especially natural source minerals can help when there is a deficiency indicated. A good B-Complex Stress formula used temporarily can be a help in treating alcoholism, hypoglycemic syndrome, or in other cases where there is a clear, clinical deficiency. But it is not a case of “If a little is good, a lot must be better”.

For people seeking optimal health, it is often better to leave off the ‘Funkies’ and use whole foods, fresh raw foods, sprouts, raw green juices, green smoothies; and a whole-food plant-based diet, and you will be much healthier!

Questions

Q: Many drugs were originally extracted from herbs so is there really any difference in taking herbs instead of drugs?

A: There is a tendency for a person to think of drugs in the pharmacy as being technically superior to herbs, which are considered primitive and over-simplistic. After studying phytochemistry (plant chemistry) while finishing my herbalist degree, I soon realized how off centered is that view. The fact is plants are far more complex than drugs have ever been or ever will be. To actually duplicate the contents of a simple herb in the laboratory would be a total impossibility. For example, the fragrance of a rose contains over 200 chemical compounds. Banana smell contains over 350, and that is only the odor part of the plant. When a clinical herbalist looks up a common herb, like dandelion for example, he finds hundreds of constituents that are *recognized* in the plant and no doubt there are many that man hasn’t learned about yet.

Herbs are, or were, living plants; and we all know that life must come from life. There is no life in a chemical drug. When the ‘active’ element of a plant is extracted, synthesized and used, we get what drugs are famous for, *undesirable side effects*. It seems the Creator knew better than we do what elements were needed to make the herb work properly in the body without side effects.

Remember; when a potential new drug is discovered in a plant, before it can be patented and sold at high prices, it has to be synthesized; so even if the idea for a drug came from a plant, the drug you are sold is a synthesized chemical compound.

Q: What is the difference between “natural vitamin formulas”, “natural source vitamins”, and “natural food supplements” and which are really best for my body?

A: There are many Vitamin formulas on the Pharmacy counters and these for the most part are made up of vitamins considered important by nutritional scientists and measured according to the “recommended daily requirement” for each. This is really at best just a guess. It would be unethical to take a group of people and feed them on deficient diets to find out what actually is the amount needed of individual vitamins. Animal studies give clues but animals have different requirements than humans.

Many of the nutrients in the popular formulas are synthesized from chemical sources, often coal-tar. Our bodies can only utilize efficiently vitamins from organic (vegetable, animal) sources; inorganic chemicals have to be disposed of as waste. Synthesized vitamins may not ‘fit’

the body's receptors and may even clog them. They may even be mirror images of the real thing and hence a confusing problem to the body rather than a help.

"Natural Source Vitamins" are usually found in the health food store but lately many pharmacies carry them also. They claim to contain vitamins drawn from natural organic sources and tend to be somewhat better for the body. It often is the case though, that they come from the very same sources. Their benefit, if any, is in the fact that they usually include various plant extracts as extras. You will see them listed in the 'non-medicinal ingredients' section.

Mad Scientist

When we try to figure out "Ideal & Complete Nutritional Formulas" based on extracted vitamins, natural source or otherwise, we are playing the 'Mad Scientist' and it's a game we can't win. Both our bodies and our food sources are very, mind-bogglingly complex. Where cells were once thought of as little pockets of goo; now the charting of the working of the cell's processes when drawn out would cover a huge wall, and we sure don't know it all yet!

Supplement formulas are based on the current knowledge of nutritional scientists and knowledge in this realm is in constant flux. What was considered a complete formula a few years ago is known to be very incomplete today. What of tomorrow? Today's "complete" formulas will be out of date also.

Whole foods

Where nutritionists' knowledge is always imperfect and their best formulas just an 'educated' guess, God's knowledge is perfect from the beginning. So by using highly nutritional, fresh and live whole foods as God created them, we know we are getting all the elements we need, whether man has discovered them or not! A trial with a Whole Food Plant Based Diet instead of piles of 'Vitamin Formulas' and expensive super-food shakes made of dried up and processed ingredients, will convince you, save you money, and set you free to really live life to the fullest!



Just To Be on the Safe Side: Don't Take Your Vitamins!

A Very Insightful Article by Dr. John McDougall, M.D.

<http://www.drmcDougall.com/>

No one loves me more than my mother; even though there were times during my childhood when I thought she was trying to poison me. Could the chemical aftertaste, belching, and nausea I experienced following the One-a-Day multivitamin capsule she forced me to take along with my orange juice at breakfast have been a warning? She told me vitamins tasted bad, like medicine, so that if a little child found them, he or she wouldn't mistake these pills for candy. By this time in history, medical achievements included the cure of deadly vitamin deficiency diseases such as scurvy, beriberi, and pellagra. People reasoned, if a few vitamins can cure these ravagers of health, then maybe the answers to cancer or heart disease will be found in

supplements too. Why not? This was during the atomic bomb era following WW II when people believed that science would someday soon find the answer to all things important.

Nearly forty percent of the US population takes supplements, with many people spending hundreds of dollars a month. Based on what objective evidence? How many friends and relatives do you know who have suffered from illnesses caused by a vitamin deficiency, such as scurvy from vitamin C deficiency, beriberi from insufficient vitamin B1, or pellagra from a lack of niacin? How about protein or essential fatty acid deficiencies? The truth is none. Now, turn your vision 180 degrees. I'll ask you the opposite question. How many of your friends and relatives have diseases caused by nutritional excesses, from consuming too much cholesterol, fat, sodium, protein and/or far too many calories? The answer is most of them.

Health problems from excesses cannot be corrected with treatments useful for deficiencies. Have you ever known a person who has lost 100 pounds by taking supplements or cured their arthritis, hypertension, colitis, or type-2 diabetes through vitamin and mineral therapies? I bet you haven't and neither have I. But every day I have contact with someone, in person or by e-mail, who has achieved such benefits by changing their diet and going for a daily walk out in the sunshine. Thus, there is no "bang for the buck" in believing in supplements. They simply don't work for the problems that currently plague people. Doctors who prescribe supplements are practicing "faith-based medicine." They must believe, because there is no good evidence supporting their actions—no valid research to guide them and no patient results to reward them.

Supplements Are Not Food

In an effort to improve on Mother Nature's creations, and to make big fat profits, scientists and entrepreneurs have developed thousands of products based on isolated concentrated nutrients. The enterprise begins by finding a pharmacologically active ingredient in a common food. Through science and manufacturing technology this substance is purified, then replicated into large quantities, and sold to the customer as a "potent, but natural remedy." Familiar examples of such concentrates include isolates of soy and whey proteins, omega-3 fish and flaxseed oils, and vitamins and minerals. These magic bullets are delivered to the consumer in the form of pills, powders, liquids, nutrition bars, "health" drinks, and fortified foods. They are supposed to offset the effects of destructive habits and fix the customers' bad health, naturally (like with no side effects) and almost effortlessly. High profits, and the satisfaction of consumers' desires for quick fixes, guarantee healthy businesses based on selling various concentrates.

Vitamins are organic compounds that cannot be synthesized by the human body and therefore must be eaten in order for us to remain healthy and prevent serious illnesses. Plants synthesize 11 of the 13 known vitamins. Vitamin D is actually not a vitamin, but a hormone manufactured by the body with the action of sunlight on the skin, and bacteria make the only non-plant-derived vitamin, which is B12. Plants are also the source for minerals, all of which originate in the ground and enter into living systems through the roots of plants. Plant parts (starches, vegetables, and fruits) are the proper packages for delivering these, and many more, essential nutrients to the body. A harmonious relationship between people and plants translates into good health.

The Whole Is Much Greater than the Parts

Place an assortment of fruit on the table in front of you. Can you identify the yellow banana? Are you having any trouble picking out the orange? Are you calling the small, oblong round green objects grapes? Notice that you have no difficulty distinguishing between and properly naming each and every fruit. This is because their precise and perfect molecular architecture results in a distinct easily identifiable form for each and every fruit (and vegetable). Tens of thousands of proteins, fats, carbohydrates, fibers, vitamins, minerals and other phyto (plant)-chemicals are present in proper amounts, kinds, and physical positions within each food. If not for the exact correctness then you would not have a green kiwi fruit.

Good nutrition begins as the whole food is chewed into smaller parts and swallowed. The masticated parts still contain all of the basic components and most of the same physical relationships as the original whole food. After more digestion, these food parts enter the blood stream and are carried to the body's 10 trillion cells. This blood-borne mixture of nutrients actively passes through the cells' membranes into the inner cellular fluid (cytoplasm). Here this vital balance of nutrients provides the raw materials for the cellular machinery to run properly. If too few or too many of any of the components of the digested and assimilated food are present within the cell then imbalances occur, resulting in less than optimal function at the cellular level, followed by disease. Scientists barely understand the orchestrations that take place between our foods and our bodies. But they do recognize that perfect harmony exists.

Supplements Make People Sick

People believe in supplements, even though the preponderance of scientific evidence condemns taking isolated concentrated nutrients. Most carefully studied are the effects of beta-carotene, vitamin E (alpha-tocopherol), and folic acid. Randomized controlled trials involving more than a hundred thousand subjects have proven that taking these and other supplements increase a person's risk of heart disease, cancers, and premature death. Damage to the kidneys in diabetics and an increase in the severity of respiratory infections have also been shown. (See below for details on some of these major studies.) Vitamin supplement manufacturers, stores selling vitamins, medical doctors, and dietitians should act responsibly and warn consumers about the serious health hazards from these highly profitable potions.¹ For the same reasons, fortification of our food supply (cereals and flours) with folic acid and other nutrients should be stopped.²

Two highly respected Cochrane Reviews published in 2008 concluded, "Beta-carotene, vitamin A, and vitamin E given singly or combined with other antioxidant supplements significantly increase mortality (death)."^{3,4} There is no higher authority than a report from the Cochrane Collaboration.

Supplements Kill by Causing Metabolic Imbalances

Three decades ago it was well established that people who consume more beta-carotene in their diets are less likely to develop many kinds of cancer, including lung cancer.^{5,6} Following this observation, a hypothesis was developed that a single nutrient, beta-carotene, was the key to cancer prevention. Two well-designed trials published in 1994 and 1996 compared the

effects of taking beta-carotene supplements to a placebo for people at high risk for developing lung cancer (smokers and those exposed to asbestos).^{7,8}

Unexpectedly, in these two investigations more cancers were found in those people taking the beta-carotene pills. However, these findings did not invalidate the original observation: People who eat more fruits and vegetables have a lower risk of cancer. Beta-carotene is only found in plants, thus serves as a marker for the quantity of fruits and vegetables consumed. What is true is that a diet high in plant foods protects against cancer. The same effect does not carry over to consuming single nutrients, like beta-carotene. A pill is not a plant.

Beta-carotene is one of about 50 similar naturally occurring active substances in our diet classified as carotenoids. They are all especially abundant in yellow and orange fruits and vegetables. After nutrients enter cells they float around in the cell's fluids (cytoplasm) until they attach themselves to the cellular machinery through a specific receptor, like a key fits into a lock. Beta-carotene and all of the other biologically active carotenoids must attach to these specific carotenoid receptors before they can function.

When a cell is flooded with one kind of carotenoid, in this case beta-carotene after vitamin supplementation, then there is an overwhelming competition for the carotenoid receptor sites.⁹ The other 50 functional carotenoids are displaced by the beta-carotene from their cellular connections, creating deadly nutritional imbalances.

Consider this analogy: A person drives from home to work. After entering the building, the typical employee begins the day by walking around and greeting fellow workers, stopping by the water cooler to catch up on some daily gossip. So far nothing productive for the company has been accomplished. Finally, the worker sits at his or her designated workstation—say a desk with a computer and a telephone—and becomes productive. At this place of business there are many workstations and many workers with different talents—accountants, secretaries, designers, managers, etc.—who collectively and interactively make the company run productively and profitably. This would all change if one day the boss decided to hire a hundred extra accountants without any real need for their services, and to make matters worse, without adding any new workstations. The result would be chaos and soon bankruptcy from the disharmony created in the organization.

Save Your Money and Your Health

In the mid-nineties I was the host of a Sunday evening radio talk show called "To Your Health." My two-hour broadcast was carried by the largest radio stations in the biggest cities, such as Los Angeles (KABC), San Diego (KSDO), Sacramento (KSTE), and San Francisco (KNBR), all over the west coast and was heard by millions of people. I received over 2000 phone calls each evening on average (of course, only a fraction of those callers could be answered). The show's sponsors were mostly natural food stores and their top revenue streams came from the supplement aisles. During my monologue at the beginning of each show I would discuss the newest scientific research. I tried to balance "negative" articles, such as, vitamin A (Retinol) causes a 1 in 57 chance of birth defects when taken by a pregnant woman and increases hip fractures in elderly adults, with "positive" ones, for example, folic acid supplementation taken before pregnancy reduces the risk of serious birth defects.¹⁰⁻¹³

However, I wasn't balanced enough for one group of "vitamin activists" from Los Angeles who edited together excerpts of my anti-supplement messages into a tape played for my sponsors each Monday morning. Fortunately, I weathered these attacks and survived for three years on this large network. In time, the really big sponsors of these powerful radio stations took a listen to my anti-meat, anti-dairy, and anti-pharmaceutical messages. In spite of my popularity I lost all of my shows over a three-week period in 1996. Money talks, even on talk radio. But that does not change the truth.

Whether you are scientifically minded and believe in the perfection created by 400 million years of evolution, or devoutly religious and believe in the perfection of a Divine Creator, or both, you must believe that the world we live in is inherently correct. The trillions of interactions that occur between flora, fauna and Mother Earth are purposeful and harmonious. You have also observed that man's interference with Nature's mysterious workings usually results in unintended catastrophes. Failure to follow the natural starch-based diet for humans is the reason more than a billion people are overweight and sick today. Trying to fix modern day health problems with supplements adds to the injury at great financial costs. (Sales of dietary supplements to US Consumers were \$25.2 billion in 2008.)¹⁴ Scientific facts and reasoning call for the blind and misguided faith in supplements to stop.

Randomized Controlled Trials Prove Supplements Are Dangerous: *More Cancer* The Alpha-Tocopherol, Beta Carotene Cancer Prevention Study Group.

A total of 29,133 male smokers were assigned to one of four regimens: alpha-tocopherol (vitamin E) alone, beta-carotene alone, both alpha-tocopherol and beta-carotene, or placebo.⁷ *Findings:* 18 percent more lung cancer and 8 percent more deaths in those taking the preparations with beta-carotene.

The Beta Carotene and Retinol Efficacy Trial.

A total of 18,314 smokers, former smokers, and workers exposed to asbestos assigned to take beta-carotene and retinol (vitamin A) or placebo.⁸ *Findings:* 17 percent more deaths, 46 percent more lung cancer, and 26 percent more cardiovascular disease for those taking the supplement.

The Selenium and Vitamin E Cancer Prevention Trial (SELECT).

A total of 35,533 men were assigned to one of four groups: selenium, vitamin E, selenium plus vitamin E, or placebo.¹⁵ *Findings:* 13 percent more prostate cancer for the vitamin E groups. No prevention of prostate cancer by any supplement intervention.

More Heart Disease

MRC/BHF Heart Protection Study.

A total of 20,536 adults with coronary disease, other occlusive arterial disease, or diabetes were allocated to receive antioxidant vitamin supplementation (vitamin E, vitamin C, and beta-carotene daily) or placebo.¹⁶ *Findings:* Increased vitamin concentrations in the subjects' blood, but no reductions in vascular disease, cancer, or death.

Alpha-tocopherol Beta-carotene Cancer Prevention Study.

A total of 1862 male smokers who had had a previous myocardial infarction were assigned to dietary supplements of alpha-tocopherol, beta-carotene, both, or placebo.¹⁷ *Findings:* There were 75% more deaths from fatal coronary artery disease in the beta-carotene groups and a slight increase in the alpha-tocopherol groups.

The HOPE-TOO trial.

A total of 9,541 patients were assigned to vitamin E or placebo.¹⁸ *Findings:* No difference in cancer or cardiovascular deaths. Patients in the vitamin E group had a higher risk of heart failure.

Folate

After Coronary Intervention Trial. A total of 636 patients with heart artery stents were assigned to receive folic acid, vitamin B6, and vitamin B12 or placebo.¹⁹ *Findings:* Greater restenosis (artery closure) and repeat heart surgery for those taking the supplement with folic acid.

The NORVIT Trial.

A total of 3749 men and women who had had an acute myocardial infarction within seven days were assigned to be in one of four groups: folic acid, vitamin B12, and vitamin B6; folic acid and vitamin B12; vitamin B6; or placebo.²⁰ *Findings:* Homocysteine decreased by 27 percent, but the risk of heart attack, stroke, and cancer was increased by 20 to 30 percent in the groups with the folic acid supplement.

Women's Antioxidant and Folic Acid Cardiovascular Study.

5442 women with either a history of CVD or 3 or more coronary risk factors were assigned to receive folic acid, vitamin B6, and vitamin B12, or placebo.²¹ *Findings:* Homocysteine decreased by 19 percent, but the risk of heart attacks, strokes, heart surgery, and death was not reduced.

More Kidney Damage in Diabetics

The Diabetic Intervention with Vitamins to Improve Nephropathy Trial.

A total of 238 participants who had type 1 or 2 diabetes and a clinical diagnosis of diabetic nephropathy (kidney disease) were assigned to folic acid, vitamin B6, and vitamin B12, or placebo.²² *Findings:* The vitamin group had worse kidney function and twice as many vascular events.

More Fractures in Elderly

High Dose Oral Vitamin D Trial.

A total of 2256 community-dwelling women, aged 70 years or older, were assigned to receive 500,000 IU of Vitamin D (cholecalciferol) or placebo.²³ *Findings:* Women taking the vitamin D had more falls and fractures.

More Severe Respiratory Infections

A Randomized Trial on Vitamin E and Infections.

A total of 652 non-institutionalized elderly were assigned multivitamin-minerals, 200 mg of vitamin E, both, or placebo.²⁴ *Findings:* No change in frequency of respiratory infections, but the severity was worse in those taking vitamin E.

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Conquering Colds

Treat a 'cold' as a cleansing crisis, and assist your body to cleanse.

Use a colon-enema board treatment daily, if available, to flush out toxins and mucous. You can use enemas but they are less effective and harder to do.

Drink fresh lemon juice in hot water with a bit of Ginger every hour or two during waking hours.

Use hot soaking baths with Epsom Salts and some Hydrogen Peroxide added, followed by a quick spray off with cold water.

A sauna is great if you have access to one.

Keep warm and get extra rest; pushing one's self to keep going through a cold can cost more than you gain in the long run.

Eat lightly, mostly fruit in warm weather and/or warm vegetable broths in cold.

If you handle a 'cold' wisely, you will have better health following it than before; while if you stop it unnaturally, it will return later and worse.