

Massage by Lucy -Newsletter-

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Member, Associated Bodywork & Massage Professionals

Safe Fun in the Sun

Nutrition Offers UV Shield

Sharron Leonard

Because sunlight activates the synthesis of vitamin D, a nutrient that works with vitamin A to build strong bones and good eyesight it is essential for health. Furthermore, bright light, specifically sunshine, can improve your mood and help ward off depression. But all things in moderation. Overexposure to UV rays can cause potentially extensive damage to the skin, an all-too-common occurrence. "Skin cancer is now considered epidemic throughout the nation", according to The Centers for Disease Control Prevention. "Over one million residents in the United States are expected to get skin cancer this year more people than the collective total of all who will get cancers of the breast, prostate, lung and colon. Exposure to

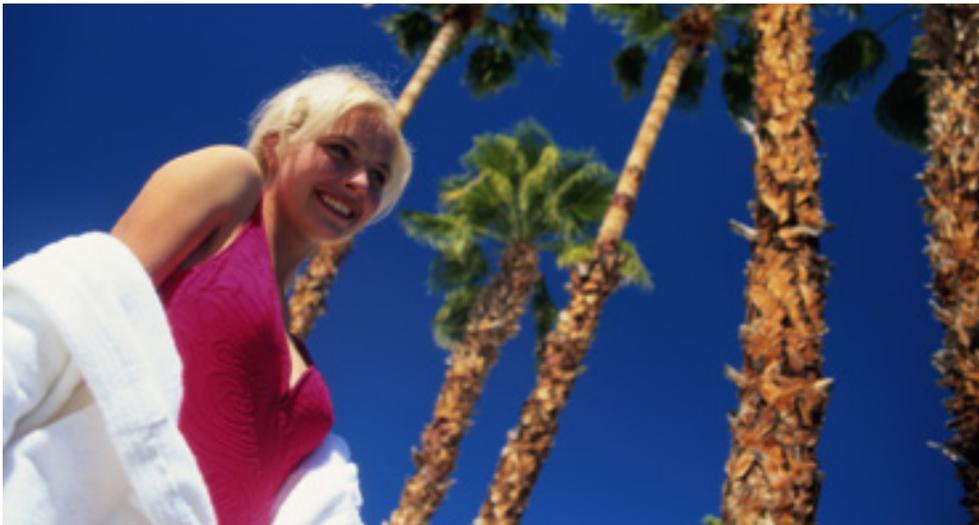
toxic molecules. These are known as free radicals and can lead to malignancies. Sunscreen, adequate coverage and sunglasses have long been recommended to avoid this damage, but diverse studies now suggest some promising supplemental strategies for UV protection from the inside out. Certain nutrients and a low-fat diet have shown specific anti-cancer properties.

Free Radical Control

Antioxidants have long been known to neutralize free radicals and render them inactive, protecting cellular structure. Powerful antioxidants include vitamin C (citrus fruits, strawberries, broccoli, tomatoes), vitamin E (asparagus, raw

"Success usually comes to those who are too busy to be looking for it"

-HenryDavidThoreau



UV rays cause oxidative damage and can actually change the skin's DNA.

ultraviolet (UV) rays in sunlight causes 90 percent of the skin cancer cases." And this overexposure may double the risk of melanoma, a type of skin cancer that causes more than 80 percent of skin cancer deaths.

UV rays cause oxidative damage and can actually change the skin's DNA cellular structure, creating highly unstable and

nuts and seeds, spinach), beta-carotene (yellow and orange vegetables) as well as the minerals zinc (shell fish, legumes, whole-grain foods) and selenium (nuts, whole-wheat bread, oatmeal). A recent study published in the Journal of Investigative Dermatology demonstrates that lutein and zeaxanthin, plant

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pigments found in predominately green leafy vegetables, also have strong antioxidant properties that diminish the effects of UV irradiation by reducing the acute inflammatory responses. Lutein- and zeaxanthin-rich foods include green, leafy vegetables such as spinach, kale, broccoli and turnips as well as corn and egg yolks.

As long ago as 1991, studies have shown green tea consumption and topical application afford protection against skin tumors. More recent research corroborates these results and points to the polyphenols in green tea, which contain antioxidant and anti-inflammatory properties. In addition, one major element in green tea, epigallocatechin-3-gallate (EGCG), is thought to stop production of an enzyme required for cancer cell growth. Several cups of green tea might be a worthwhile addition to your daily routine.

Avoiding fatty foods may also provide benefit. Studies suggest that a low-fat diet can reduce the incidence of premalignant lesions called actinic keratosis. To maintain a low-fat diet, the U.S. Department of Agriculture recommends that you get most of your calories from organic, whole foods such as grains, fruits, and vegetables and to avoid foods high in saturated fats. For more information, visit the website www.health.gov/dietaryguidelines/.

Know the Index

Even though it is helpful to counteract damage to your skin through nutrition, it remains vital to shield yourself from the sun's invisible UV rays and avoid them when they're at their most intense. The UV Index, a measurement of ultra-violet sun radiation, can assist in protecting you from potentially harmful exposure. This forecast of UV intensity ranges from a nighttime low of 0 to a very sunny 10-plus. It is greatest when the sun hits its apex (noon), then rapidly decreases as the sun moves across the afternoon sky. The higher the UV Index, the shorter the time for skin damage to occur. To determine the UV Index in your area, check your local newspaper, TV and radio news broadcasts, or you can visit www.epa.gov/sunwise/uvindex.html, the U.S. Environmental Protection Agency's website. This rating allows you

to determine your geographic risk and, in turn, the level of adequate sun protection needed.

Regardless of your sun-screening defenses, always be vigilant about checking your skin for possible signs of melanoma. "When melanoma is detected in its early stage, surgical removal cures the disease in most cases," according to the American Academy of Dermatology. "If the disease has spread to lymph nodes, the 5-year survival rate is 30-40 percent. If the disease has spread to distant organs, the 5-year survival rate is 12 percent."

Melanoma appears as a pre-existing mole that changes, or as a new mole on previously unaffected/clear skin. Performing skin self-exams every few months and knowing the characteristics to look for in any mole identified will enhance early detection and reduce risk.

For more information on early detection, visit www.skincancer.org.

And don't forget common sense practices:

--Avoid long-term sun exposure and wear a hat, sunglasses, and protective clothing.

--Apply sunscreen with SPF of 30 or above.

--Avoid artificial tanning devices.

--And be aware of sun exposure year-round.

With a few protective measures, you can continue to enjoy fun in the sun safely. Wear your sunscreen--in the winter months as well as the summer--seek shade, cover up with sleeves and pants, and don't forget your hat!



A colorful diet can help provide sun protection from the inside out.

The Wonders of Water

For Skin Health and More

Shelley Burns, N.D.

Creams, nutritional supplements, treatments, lotions, and potions. We are always looking for the next miracle product to keep skin looking healthy and young. However, there is one essential, inexpensive, and often overlooked nutrient right at your fingertips: water.

Just as a car cannot function without oil, our bodies cannot function without water. After oxygen, H₂O is the most important component of the body, responsible for 65-70 percent of its composition. And of this, 80 percent is dedicated to the skin.

Water is the medium for various enzymatic and chemical reactions in the body. It moves nutrients, hormones, antibodies, and oxygen through the blood and lymphatic systems, and it also helps form the matrix of the skin. Devoid of water, the skin becomes dehydrated, resulting in a dry, dull tone.

It's likely that the moment a person feels thirsty, mild dehydration has already set

in. To keep the complexion looking smooth and blemish-free, drink water upon waking and continue drinking it throughout the day at one- to two-hour intervals. At least six 8-oz. glasses of water should be consumed daily and more if you are exercising, perspiring, and/or in hot weather. Ideally, intake should be between ten and twelve 8-oz. glasses of water a day. One note: Don't increase water intake all at once, as the kidneys and digestive system need time to adjust. Add one 8-oz. glass every day or every second day.

What counts toward your daily water intake? Just the basics: water and herbal tea. Caffeinated beverages and alcoholic drinks are diuretics that can contribute to dehydration, requiring even more hydration after drinking.

Not only is water important for skin health, it can also play a key role in the prevention of disease. Drinking eight glasses of water a day can decrease the risk of colon cancer, bladder cancer, and potentially even breast cancer.



Water helps keep the body at optimum health.

Long Live Cells with Vitamin E

Antiaging Inside and Out

A good skin care regimen is comprised of an antioxidant-rich diet and vitamin/mineral supplementation that includes vitamin E -- an essential key to a healthy complexion. Vitamin E is unique in that it's not one vitamin, but a family of eight fat-soluble antioxidants, including four types of tocopherols and four types of tocotrienols -- alpha, beta, gamma, and delta. Alpha-tocopherol is the most common and most potent form of vitamin E.

This important nutrient works to prevent aging by prolonging the useful life of cells in the body. By protecting and strengthening the cell membrane, vitamin E wards off free radical attacks caused by sun exposure and also helps combat disease. This protection is

further intensified when combined with vitamin C. Vitamin E also helps in the formation of red blood cells, protecting them from destructive toxins and cell damage, which also helps prevent skin cancer.

Vitamin E-rich foods include wheat germ; almonds, peanuts, and walnuts; safflower, corn, and soybean oils; and green leafy vegetables. For supplementation, the recommended daily intake of vitamin E is 400 IU. Be aware that high doses of vitamin E (1,200 IU daily or more) can be toxic and cause oxidative damage.

It is imperative that when taking the supplement orally, it is in the natural form, designated with a "d," and not

synthetic, designated as "dl." Mixed tocopherols--meaning a combination of alpha, beta, gamma, and delta--are easily absorbed and a good choice, especially in skin care products.

Topical creams and oils containing vitamin E promote healing, protect cells from free-radical damage, and reduce itchiness--very helpful in treating conditions such as sunburn and eczema.

In addition to contributing to healthy skin, vitamin E has many other beneficial properties, including slowing the progression of Alzheimer's disease, decreasing oxidative stress associated with asthma, alleviating arthritic conditions, decreasing PMS symptoms, and reducing the risk of heart disease.

"The significant problems we face cannot be solved at the same level of thinking we were at when we created them."

-Albert Einstein

Happy Summer!

We've made it past the initial sore-issues that spring brought, with the event of getting our bodies up & moving. So, stretch more & stand tall! Enjoy the sun, but not too much. The extreme temperatures of Dallas summers are legendary. And care of ourselves changes with each season. Now it's time to drink plenty of water, & take special care with our skin. Sunburns happen quite easily around here with temperatures floating over 100! As does dehydration, muscle cramps, & sunstrokes, so be careful!

If you haven't yet tried lymphatic drainage, now might be a good time to try it out. Manual lymph drainage is gentle & quite relaxing. It detoxes you, boosts your immunity, & keeps the fluids moving throughout your body. Lymph sites can get congested & clogged, causing a pooling or retention of fluids in your tissues. Having lymphatic drainage done could be just what you need to compensate for the mischief & consumptions of summertime - and maybe a neck/shoulder rub with it. Sounds like a pleasant venture, don't you think? Remember, your body needs attention too!

So, have fun & take good care of yourself!

Smiles always,

Lucy :-)

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