

"JUST BREATHE" Newsletter

2nd Quarter '06 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,

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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

tomatoes), vitamin E (asparagus, raw 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

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that lutein and zeaxanthin, plant 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. A 1994 study suggests that a low-fat diet reduces 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. Don't forget your hat!



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

Nature's Nutritional Wonder

Cruciferous Vegetables

Cruciferous vegetables are powerful foods that can help prevent many forms of cancer, reduce existing cancer tumors, and aid in the prevention of heart disease. Broccoli, cabbage, cauliflower, arugula, kale, and Brussels sprouts all contain isothiocyanates--a group of chemicals that break down carcinogens in the body, helping to metabolize toxins. Studies show that people who eat two to three servings of cruciferous vegetables each week lower their risk of breast cancer, colon cancer, and lung cancer. A National Cancer Institute study found that eating three helpings of crucifers a week dropped prostate cancer risk by 50 percent. The powerful chemicals in these veggies also reduce homocysteine levels, a known precursor to heart disease.

Cruciferous vegetables are low in calories and high in fiber and the chromium found in these foods helps regulate blood sugar and insulin function, key factors in keeping diabetes at bay. Even with all the benefits that crucifers provide, many people refuse to

eat them because of their strong taste. But a little creativity can go a long way in making these wonderful foods palatable: try cream of broccoli soup, cauliflower au gratin, stuffed cabbage, or the recipe below--the possibilities are endless.

BRUSSELS SPROUTS FOR THE MEAT-AND-POTATOES EATER

1 pound fresh Brussels sprouts, washed, stems trimmed, and outer leaves removed
1 tablespoon extra virgin olive oil
2 tablespoons unsalted butter
3 tablespoons cider vinegar
1/4 cup grated Parmesan cheese
Salt and pepper, to taste

Thinly slice Brussels sprouts, either in a food processor fitted with a slicing blade, or by hand. Heat a heavy, nonstick skillet. Add olive oil and butter, swirling the pan so that the butter melts. Saute sliced Brussels sprouts for 5 minutes. Add cider vinegar and grated Parmesan, stirring briefly to incorporate. Add salt and freshly ground black pepper to taste. Serves four--who will all be healthier for it!



Cruciferous veggies help ward off disease.

The Scoop on Meditation

A Simple Practice with Profound Benefits

People who meditate regularly appear internally and externally five to 10 years younger than their non-meditating peers, according to author Deepak Chopra. That's good news for the estimated 10 million people who practice meditation on an ongoing basis and experience the resulting calm it cultivates.

The rich benefits come from doing something that looks like nothing: Sitting still, being quiet, and breathing deeply. Meditation works simply but profoundly by defusing the onslaughts of life -- a racing mind, busyness, deadlines, commutes, all of which have physiological effects on well-being. Meditation calms the nervous system, decreases metabolic rate, heart rate, and

blood pressure, and lowers levels of cholesterol, stress hormones, and free radicals. It also has a direct effect on breathing, slowing and deepening respiration so more oxygen circulates throughout the body. Not only that, meditation is said to lessen feelings of anxiety and depression and improve memory and concentration. And all of this culminates in slowing the aging process, as Chopra notes.

There are many meditation techniques, including focusing on a mantra, a sacred word or phrase, or your breath. But the basic intent of all meditation is focus and attention. And it doesn't take hours a day in an ashram to meditate effectively. Benefits kick in with even a short period of devoted time.

How to begin? Wear comfortable, unrestrictive clothes, sit on a cushion or chair with your back straight (think once again, comfort), rest your hands on your legs, let your eyes go soft and out of focus or close them, breathe slowly and deeply, and -- the hardest part -- attempt to empty your mind of thoughts and quiet the internal dialogue. When thoughts flit through your mind, let them pass without judging them and come back to your focus (your mantra, counting, etc.) and breathing.

Start with this sitting meditation technique for five minutes a day, and add on time as you get more at ease with the process. For more information on techniques and benefits, check out www.abc-of-meditation.com.

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Thanks to everyone who gave feedback on the first issue of "JUST BREATHE". I'm glad you enjoyed the newsletter and I look forward to blessing you with healthy information in the future. I am trying something exciting and new starting with this issue. A lot of you are gifted with words of wisdom and inspiration which would benefit my other clients and friends. I will be including a "featured guest" client insert in future newsletters! The first insert is from a wonderful woman named Nicole Mignone, I hope you enjoy her work... I think it's pretty special. If any of you are interested in contributing to future newsletters please e-mail me with your thoughts or submissions. Thank you again for all of your support over the years!

Peace & AGAPE'(Love),

Lisa

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