

The Visible Effects of Stress

Get a Grip on Anxiety and Clear Your Complexion

Barbara Hey

Eons ago, back when humankind's main activities for the day were evading predators and foraging for food, stress was essential to survival. The body's fight-or-flight response to stress in the face of danger set off a chain reaction of physiological changes, priming the body for action and increasing the likelihood of escaping physical harm.

These days stress is more often induced by threats of the psychological or emotional kind, but the physiological response is the same. While stability-shattering events such as divorce, illness, or job loss take their toll, it's the low-grade, chronic stress--commuter traffic, rebellious computers, overbooked schedules--that

Your Face Says It All

"Stress is a major deterrent to having good skin," according to Howard Murad, a dermatologist and CEO of skin care company Murad, Inc. "Even if you eat a perfect diet, if you're under stress you're not going to like the way it looks on you."

The link between stress and skin is becoming clearer all the time. "There are many studies that show the direct connection between the brain, endocrine system, and your skin," Murad says. One such study found that stress causes deterioration in the skin's permeability barrier, which is the body's front line of protection against the

[Water is] the only drink for a wise man.

-Thoreau



Managing the low-grade, chronic stress of modern life can brighten your complexion.

does the greatest damage to body, mind, and even appearance. In addition to the well-documented stress-related illnesses such as heart disease, insomnia, and backaches, chronic stress can take a toll on your skin by increasing oil production and exacerbating acne, eczema, atopic dermatitis, and psoriasis. In other words, anxiety may be standing between you and a clear complexion.

outside world and essential to our survival. According to Peter Elias, a professor of dermatology at the University of California, San Francisco, who led the study, when that barrier breaks down, there is havoc: The release of molecules, whose job it is to shore up the barrier, initiates inflammation in

Continued on page 2

Office Hours and Contact

Melisa Ferriola
lastinglooks@comcast.net
302.463.8871
By Personal Appointment

In this Issue

The Visible Effects of Stress
De-stressing the Commute
Long Live Cells with Vitamin E

Continued from page 1

deeper layers of the skin, causing irritation and dryness.

"When you're stressed, the barrier function of your skin gets damaged, and there's transdermal water loss," Murad says. This means fluid is lacking in all layers of the skin, which causes a dull complexion and exacerbates wrinkles.

Furthermore, stress throws the body's biochemical balance out of whack. The fight-or-flight response in the brain sends a message to the body to get ready for action. Then the adrenal glands produce adrenaline and noradrenaline, as well as the stress hormone cortisol, activating the metabolism and keying the body to respond to the threat, whether truly life-threatening or just being late for an appointment.

In regular, peaceful circumstances, the stressor goes away and hormones return to normal levels. But chronic stress--the scourge of modern life--can have long-lasting, chaotic effects on the body's biochemistry. Instead of dissipating, cortisol lingers in the body, which depresses the immune system and brings on hormonal imbalances, causing increased sebum production. Skin gets oilier and breakouts occur.

Erasing the Fallout

The good news is, plenty can be done to ease stress, minimize its effects, and benefit skin and all-around health. In addition to stress-reducing practices (meditation, yoga, massage, exercise, vacations, etc.), nutrition supplements play an important role. "There are several important nutrients for skin that few get in sufficient quantities, particularly when under stress," according to Ann Louise Gittleman, Ph.D., clinical nutritionist and author several natural health books, including "The Fat Flush Plan" (McGraw Hill/Contemporary Books, 2002) and "The Living Beauty Detox Program" (Harper San Francisco, 2000).

No. 1, she says, is essential fatty acids. The most important for skin is gamma linolenic acid (GLA), found in borage oil, black currant seed oil, and evening primrose. "Roughly 33 percent of all adults are deficient in GLA, which supports the skin cell membranes," she says. "It's been shown to be an effective treatment for inflammation and

moisture loss associated with dry skin and aging, and a potent anti-inflammatory. Studies have shown that borage oil applied topically has a very dramatic healing effect on eczema, psoriasis, and contact dermatitis."

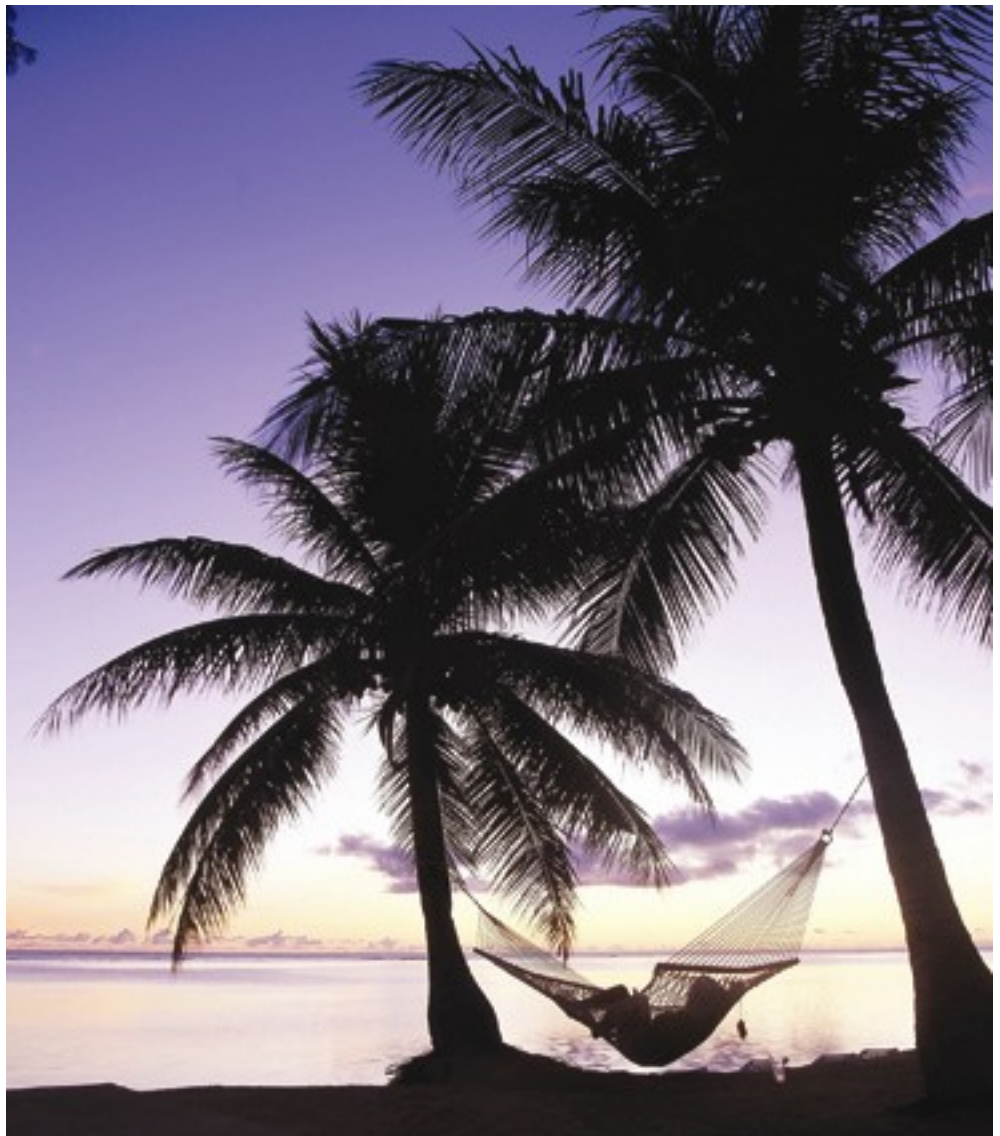
So, apply it topically or take it internally? How about both? "I love the concept of beauty inside and out," Gittleman says. That is to say, apply and consume it. As for internal consumption, Gittleman recommends a daily, high-quality GLA supplement of 500 mg.

Internal organs also need support in times of stress, particularly the adrenal system. "Pantothenic acid, a B vitamin, is the best support for the adrenals," she says. "It balances out the cortisol." Gittleman's recommendation: 500 mg, three times a day.

For those under maximum stress loads, Gittleman suggests an adrenal support supplement that includes zinc, tyrosine, and vitamin B6, three tablets in the morning and three more before 4 p.m. (But always check specific dosage directions, and confer with a healthcare practitioner for the most appropriate remedy and dosage.)

She also notes that when stressed, the body tends to secrete magnesium, and recommends 400 mg in the morning and 400 mg right before bed. "That can help with sleep," she says. (For more information, visit Gittleman's website, www.fatflush.com.)

Stress can wreak havoc with your complexion and be the obstacle standing in the way of clear skin. Addressing this root cause can be pivotal in achieving clarity--on your face and in your soul.



Relaxation can help dissipate stress hormones that contribute to wrinkles and a dull skin tone.

De-stressing the Commute

Turning Road Rage into Road Sage

The average American commuter spends an hour a day driving to and from work. During this stressful, stop-and-go time, it's likely that blood pressure increases, adrenaline begins pumping, and muscles constrict and tighten. By the time you get home, you're wiped out and grumpy, and you have less to offer to those you come home to. If this sounds familiar, recognize that you have the power to reduce commuter stress. Here are a few tips to make your commuter time contribute to -- rather than detract from -- your life.

- Employ adjustable back cushions, pillows, wedges, and lumbar supports for a more comfortable commute. For more information, check out www.relaxtheback.com.

- To successfully sidestep the late-afternoon slump often caused by the stress hormone cortisol, keep some healthy snacks within arms reach. Celery, string cheese, water, and nuts -- especially almonds -- are good options for the drive home.

- Borrow books-on-tape/CD from the library. Consider purely entertaining novels to ease the intensity of your drive.

- Learn a foreign language. Libraries also loan out these types of tapes and CD, too.

- Use your commute as an opportunity for spiritual or emotional growth. When stressing about a traffic jam, remind yourself that it's completely out of your control. Remember, attitude is everything.

- Practice breathing. When stress occurs, breathing becomes shallow and constricted. Taking full, deep breaths gives the body more oxygen, helping to regulate physical and mental function. Exhaling fully releases tension and built up toxins.

For more ideas on achieving calm in a busy world, consider reading *Serenity to Go: Calming Techniques for Your Hectic Life* (New Harbinger Publications, 2001) by Mina Hamilton.



Creativity goes a long way on your commute.

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.

*If you want
creative
workers, give
them enough
time to play.*

-John Cleese

LASTING LOOKS, INC.

I hope you have enjoyed this issue of Lasting Care. Please email me at lastinglooks@comcast.net with any suggestions on article content (i.e., nutrition, acne, makeup).

Looking Forward to Your Lasting Looks!
Melisa

email: lastinglooks@comcast.net
website: www.lastinglooksforyou.com
phone: 302.463.8871

Lasting Looks, Inc.

226 W. Park Place, Suite 4
Newark, DE 19711

MEMBER

