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MIND &

BODY

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Lifestyle offers a fundamental cure to the most common diseases—and offers beneficial side effects.

FINDING THE BALANCE

Curing Common Diseases Without Drugs and Surgery

Patients may expect drugs and surgery, but lifestyle is the fundamental cause and cure for many diseases

MARTHA ROSENBERG

In this series we explore ways medical science, and modern medicine and lifestyles have taken us to an unhealthy extreme—and what alternatives and solutions may exist.

It's no secret that mainstream medicine in the United States is driven by money, though fewer know it's the most expensive medical system in the world despite some of the highest per capita government funding.

Nor is it a secret that many, perhaps most, Americans are overweight, not exercising, and not in good health. So it comes as no surprise that expensive surgeries, procedures, and pills are often suggested to patients for medical problems related to unfitnes, when simple lifestyle changes could work just as well—and usually better.

Obesity, poor food choices,

smoking, alcohol consumption, and lack of exercise contribute to everything from cardiovascular disease and clogged arteries to diabetes, chronic pain, and depression—yet patients are seldom counseled about lifestyle changes to correct their medical conditions. And while insurance can help supply them with drugs or surgery, getting a personal trainer or nutritionist is another matter entirely.

Avoidable Heart Conditions

Heart disease is the leading cause of death in the United States, even though 90 percent of it is preventable through lifestyle, according to the Cleveland Clinic. Coronary bypass operations, which began in 1968, and stents, the use of which began in the mid-1980s, have become immensely popular—even a “rite of passage” for those considered at risk of a heart attack.

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COVID-19

Study Reveals COVID's Neuropsychiatric Effects

While COVID can shrink the brain, cause long-lasting neuropsychiatric issues, there are ways to support brain health

DR. YUHONG DONG & MERCURA WANG

In this article, we examine the longest and largest study on COVID-19 neurological sequelae and the fundamental cause of COVID-19 injury to our nervous system. Targeting the root cause, we may potentially reverse the situation and potentially live longer.

The medical journal *Lancet Psychiatry* re-

cently published a large-scale study of the neuropsychiatric sequelae of the COVID-19 infection.

A sequelae is a pathological condition resulting from a disease, or a secondary consequence or result of that disease.

This study is an analysis of retrospective cohort studies by seven scientists from Cambridge University and Oxford University in the United Kingdom, led by professor Paul

Harrison, a psychiatrist at Oxford.

The studies spanned four continents (with data collected from the United States, Australia, the UK, Spain, Bulgaria, India, Malaysia, and Taiwan) and 62 medical institutions. The studies were conducted over a period of two years and three months, from January 2020 to April 2022.

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Millions of people are facing mental and emotional problems long after COVID has come and gone.



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With time and perseverance, you can win the evening, the following morning, and many days ahead.

Trouble Falling Asleep?

These practices can help remedy sleep-onset insomnia

BRANDON LAGRECA

You might remember my previous article about nonrestorative sleep and waking up at 3 a.m., unable to fall back asleep. We looked at the roles stress and blood sugar dysregulation play in causing a nighttime cortisol spike that produces a hyperarousal state, making it difficult to fall back asleep.

That marks one type of disrupted sleep rhythm that culminates in nonrestorative sleep.

The other common deterrent to peaceful slumber is the inability to fall asleep, otherwise known as sleep-onset insomnia. This is a complex problem with many potential causes and several nuances, so realize that there may be one or more factors you need to address if you suffer from this type of insomnia.

Cultivating Circadian Rhythm

First on that list is perhaps the most overlooked aspect of remedying sleep-onset insomnia—rhythm. Your body has to synchronize many processes and is intimately tied to the cycle of the day and even the seasons.

If you're going to have the energy you need at the peak of the day—and be ready for sleep at the end of the day—your body has to undergo shifts in the levels of different hormones, energy production, and other aspects.

This is one of the reasons that people thrive on rhythm and suffer under chaotic conditions.

Most strategies to improve sleep habits are best implemented when the body-mind is winding down, but sometimes it's important to start much earlier.

For example, the best way to reset your circadian rhythm is to get early morning

Always getting up at the same time primes the body for a successful day by front-loading self-care before other factors exert their influence.



A sleeping mask is an essential traveling companion.



Wind down before bed by taking a hot bath or reading a book to ensure you receive a good night's sleep.

sunlight. There's also a popular phrase circulating among self-improvement circles: "To win the day, win the morning." It suggests that always getting up at the same time primes the body for a successful day by front-loading self-care before other factors (kids, work, and so forth) exert their influence. Strict adherents of this philosophy refrain from turning on their cellphone until an exercise routine or meditation practice is complete. It's a no-distraction policy to set the pace for the day.

Although that's a wise practice for the top performers among us, winning the morning may not be enough. Even if you get up and get early morning sunlight, you can lose that gain if your habits at night sabotage your sleep. Maybe the saying should be, "To win the morning, win the evening before." In other words, the ability to rise rested is predicated upon getting sufficient sleep, and that means getting to bed at a consistent time to clock in one's ideal seven to eight hours of sleep.

Leveraging Sleep Hygiene

Sleep habits and the conditions you create for sleep are sometimes referred to as "sleep hygiene." Sleep hygiene includes anything that helps the wind-down process while avoiding that which causes arousal. Hot baths and reading a novel around bedtime are good ideas; doom scrolling on a brightly lit cellphone screen or watching the nightly "if it bleeds, it leads" newscast are bad ideas.

So, too, must caffeine and alcohol be avoided. Caffeine is a stimulant and shouldn't be consumed after noon, and while alcohol is a depressant, it disrupts sleep quality. Many people claim these substances don't affect their sleep only

to find out that strict avoidance corrects sleep-onset insomnia.

Other elements of sleep hygiene include a dark bedroom to optimize melatonin secretion from the pineal gland, a light-sensitive gland in the brain that helps regulate circadian rhythm. Bright screens replete with light in the blue spectrum suppress melatonin, to say nothing about the content on those screens that may trigger emotional responses and lead to increased arousal. Best practices include turning off all devices two hours before bed. Consider blackout curtains to eliminate outside light, or use an eye mask—an essential item when traveling.

Room temperature is also important, and most people sleep better in a cooler room. If your significant other needs to be toasty to settle down, ask if they wouldn't mind using an extra blanket.

If outside noise hampers falling asleep, a fan, white noise machine, or air purifier are indispensable. An air purifier doubles as a safeguard against particulate mold spores or pollen that can inhibit proper breathing. Airway restrictions of any type make falling asleep difficult.

The Paradox of Sleep Medications

Making adjustments based on your circadian rhythm and good sleep hygiene may seem like a lot of work, but these efforts are far superior to taking commonly prescribed sleep medications. These sedative pharmaceuticals are notorious for altering the complex biochemical and neurological processes involved in healthy sleep. These drugs can produce the proverbial "robbing Peter to pay Paul" scenario.

Hypnotic drugs modestly increase sleep duration at the expense of sleep quality and, ultimately, optimal health. The most commonly prescribed hypnotic drugs are associated with a threefold increase in death, particularly from cancer, even when taken at a frequency as low as 18 pills per year.

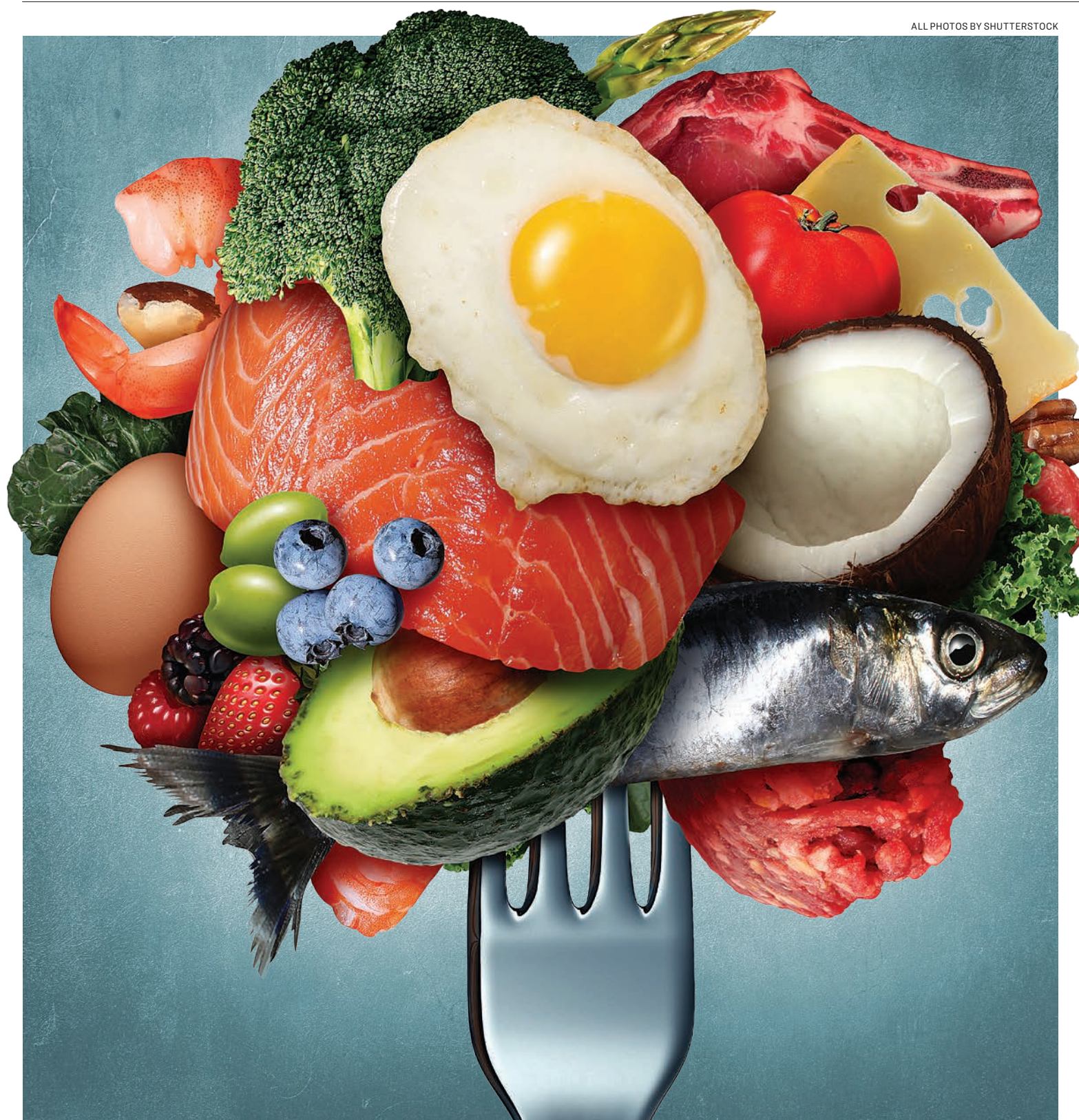
Benzodiazepines are problematic because they increase stage 2 non-REM sleep, decrease stage 3 and 4 non-REM deep sleep, and result in a total reduction in time spent in REM sleep. This shift in sleep microstructure can lead to deficits in concentration and working memory while contributing to weight gain. These drugs also cause dependency and have a high potential for abuse.

Taming the Mind

Even with the best-laid plans to wind down in the ideal sleep setting, the day's stresses can hinder falling asleep. Methods to counteract a busy brain are variable. You might find benefit in journaling about the events of the day, while others have success with a few minutes of meditation or deep breathing. Sleep researchers encourage counting down from 100 by threes or trying to keep one's eyes open (blinking allowed) to trick the mind into slowing down. Whatever method you choose, stick with it and have it reinforce your bedtime routine.

With time and perseverance, you can win the evening, the following morning, and many days ahead.

Brandon LaGreca, LAc, MACOM, is a licensed acupuncturist in the state of Wisconsin. He is the author of "Cancer and EMF Radiation: How to Protect Yourself From the Silent Carcinogen of Electropollution" and "Cancer, Stress & Mindset: Focusing the Mind to Empower Healing and Resilience." He shares his thoughts at Empowered Patient Blog.



How Potassium Helps to Treat High Blood Pressure

Hypertension affects nearly half the people in this country, and many are unaware they have it

JOSEPH MERCOLA

According to the Centers for Disease Control and Prevention (CDC), nearly one-half—47 percent—of Americans have high blood pressure (hypertension).¹ Hypertension carries a high cost to your health. It's a major risk factor for cardiovascular disease and stroke,² which are in the first and fifth positions, respectively, for leading causes of death in the United States.³

Hypertension comes with a financial burden of more than \$131 billion each year in direct medical costs and lost work days,



47 PERCENT
of Americans suffer from high blood pressure (hypertension).

If you eat a lot of processed foods and not many vegetables, there's a good chance your sodium to-potassium ratio is unbalanced.

but that doesn't include a number of other health conditions worsened by hypertension, including kidney disease and cognitive decline.

Only 1 in 4 of those with hypertension have their blood pressure under control.⁴ Unfortunately, while blood pressure monitoring has become commonplace at dentists' and eye doctors' offices, the CDC estimates that 1 in 3 people aren't aware they have hypertension.⁵

There are several ways to reduce your blood pressure without drugs, which I discuss below. Among them is balancing your potassium level, as this electrolyte has a significant effect on muscle contraction and arterial wall relaxation, but most Americans barely get half of the recommended daily allowance.⁶

What Is High Blood Pressure?

When your physician takes your blood pressure, he uses a sphygmomanometer to measure the amount of pressure your heart exerts to push blood through your arterial system. The top number represents the highest pressure needed, and the bottom number the lowest pressure needed. These numbers are related to the elasticity and diameter of your arterial walls.

When the pressure required to circulate your blood is high, it places an abnormal amount of stress on your heart muscle and smaller arteries, and reduces the amount of oxygen delivered to the smallest blood vessels in your body. Both of these consequences account for many of the secondary effects of hypertension.

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The Mental and Physical Effects of Humming

Humming has measurable physiological effects that can be healing and health-promoting

MELISSA DIANE SMITH

Making a simple, self-created sound for just five minutes might help to reduce blood pressure and stress, and keep nasal passages and sinuses healthy.

Humming requires no musical ability. It's a sound that everyone with a voice can make. It's something babies do. It's something elderly people do.

Yet, the benefits of humming go beyond just the fun of humming a favorite tune. Research suggests that humming can be an important, portable self-help tool that can be used to reduce stress, relax, perhaps improve the health of nasal and sinus passages, and more.

“ Silence is the place where the sound can create the shifts and changes on a vibrational level, on a physical, emotional, mental, and spiritual level.”

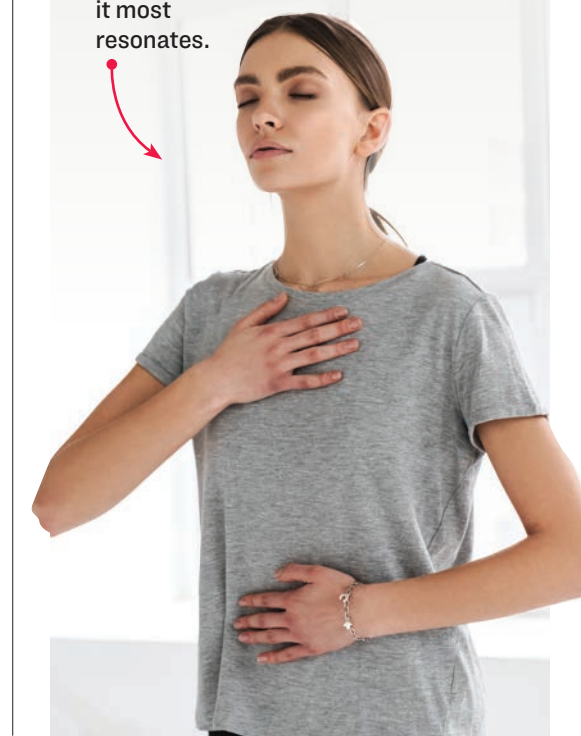
Jonathan Goldman, author, "The Humming Effect: Sound Healing for Health and Happiness"

The Basics of Humming

Sit up straight, close your eyes, and take a few deep breaths, then hum from your mouth up through your nose with your lips closed. You can hum for 10 seconds and longer.

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You can try humming at different pitches and take note of how each pitch feels in your body and where it most resonates.



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Exploring Is Good for Teens, but Comes With Risks

JAMES DEVITT

Teenagers become more given to exploration with age and become increasingly likely to visit new places over time, a study finds.

The results also show that greater exploration is associated with enhanced psychological well-being and larger social networks.

The researchers also discovered that adolescents who explored their natural environments more also reported a greater number of risky behaviors.

“While adolescent risk taking is typically seen as a problematic behavior, we found that heightened exploration was also linked to greater social connectivity and emotional well-being,” said Catherine Hartley, an associate professor in New York University’s department of psychology and the senior author of the study in the journal *Psychological Science*.

“This suggests that risk taking may have an adaptive function during adolescence.”

Previously, Hartley and the University of Miami’s Aaron Heller reported that new and diverse experiences are linked to enhanced happiness and that this relationship is associated with greater correlation of brain activity. Those findings, which appeared in the journal *Nature Neuroscience*, show a connection between our daily physical environments and our sense of well-being.

In the new study, Hartley, Heller, and University of California–Los Angeles doctoral student Natalie Saragosa-Harris sought to better understand teens’ and young adults’ exploration of their environments, how it relates to behaviors we tend to see as “risky,” and what the psychological significance of these behaviors might be.

Earlier studies have suggested that, compared to children and older adults, adolescents and young adults tend to engage in more exploratory and novelty-seeking behaviors—whether it’s trying out new hobbies, sampling new friend groups, or visiting new places.

However, most studies of adolescent exploratory behaviors have relied on self-report or behavior in controlled laboratory environments, leaving open the question as to whether heightened adolescent exploration is evident in the real world—when



Young adults who explore more are emotionally healthier but also more prone to risky behavior.

participants are in natural daily settings.

To better capture these phenomena, the scientists measured the everyday lives of 58 teenagers and adults (aged 13 to 27) in New York City, using GPS tracking to measure how often participants visited novel locations over the course of three months. From these measurements, they were able to capture daily exploration based on movement. Based on these GPS data and self-reporting, the researchers found several notable patterns:

- There was an association between daily exploration and age, with individuals near the transition to legal adulthood (18- to 21-year-olds) exhibiting the highest exploration levels.
- Regardless of age, people reported better moods on days when they explored more, supporting the notion that exploration is linked to psychological well-being.
- People who had higher average levels of exploration also reported larger social networks—measured by the number of unique individuals the subjects inter-

Greater exploration is associated with enhanced psychological well-being and larger social networks.

acted with via phone calls and direct-messaging platforms.

- Adolescents who explored their natural environments more also reported a greater number of risky behaviors (e.g., gambling, heavy drinking, illicit drug use, and more)—an association not evident in adults.

“These findings point to an important role for exploration in sustaining adolescent well-being and establishing social connectivity,” Hartley said. “And while risky behaviors undoubtedly pose challenges, a healthy amount of exploration is important, particularly as individuals become adults, gain independence, and form their identities.”

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