

## Age is a State of Mind

### Baby Boomers Combat Aging with Bodywork

According to the U.S. Centers for Disease Control and Prevention, preventing disease and injury is critical to reducing the expected growth of health-care costs headed our way, as more than 70 million U.S. baby boomers cross the 60-year-old threshold. Moreover, disease prevention is critical to, well, your health!

Whether you're a boomer who is running a marathon or running after your grandchildren, you know that growing older doesn't mean growing old. If you're wondering how to stave off the effects of aging, the preventative and restorative nature of massage and bodywork might be just what the body ordered.

and its elasticity, and toning muscle tissue. Massage also creates a stimulating cellular function in the hypodermis, dermis, and epidermis layers of the skin and increases the production of skin-nurturing sebum.

### Immunity and Stress

If you're already a frequent recipient of massage, you know what the work does to combat daily stress. But did you know how detrimental those stressors can be?

Experts say the majority of disease we encounter today is associated with stress. Not only that, stress is a huge factor in premature aging of the body. Researchers say chronic stress ages the

*The future belongs to those who believe in the beauty of their dreams.*

-Eleanor Roosevelt



Massage therapy can play an important role in aging well and remaining youthful and healthy.

### Improved Circulation, Healthier Skin

As our bodies age, our circulation slows and our skin loses its once youthful vitality. Experts say the mechanical nature of massage combats these effects by increasing circulation through the manipulation of tissue, improving the appearance and condition of the skin

body, weakens immune cell function, and can make cells appear up to 17 years older than they really are. Through its effects, massage deftly attacks stress, while boosting the immune system.

Massage encourages the release of oxytocin, a stress-reducing hormone in the body most often associated with

Continued on page 2

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#### In this Issue

**Age is a State of Mind**  
**A Walking Workout**  
**The Sunshine Vitamin**

Continued from page 1

birth and bonding, and activates the parasympathetic nervous system and its relaxation response. Massage also decreases beta brainwave activity, increases dopamine and serotonin levels in the body, and reduces cortisol levels, all of which are linked to decreased stress.

## Squashing the Pain

Part of the aging process, unfortunately, involves dealing with aches and pains. You might find a day of gardening brings on back pain you never experienced before, or your biking regimen now requires greater recovery time afterward. Even though pain is a constant source of grief for an aging body, massage can make a difference.

The passive movement in massage keeps joints more mobile and stimulates the synovial fluid, which lubricates the joints and nourishes the articular cartilage. Massage also prompts the release of endorphins and other pain-reducing neurochemicals.

In addition to the pains of physical exertion an aging body experiences, the discomfort caused by arthritis can be just as debilitating. Experts predict that one-third of Americans will get arthritis as they age. Ironically, most arthritis sufferers may not think of massage when they start to explore which therapies might ease their pain. While it is doubtful an arthritic joint can "heal" completely with massage, it can feel better. And for an arthritis sufferer, better is a welcome word, particularly when there are no side effects involved.

According to the Arthritis Foundation, an increasing number of doctors are recommending massage to their arthritis patients to help relieve the pain and stiffness caused by their disease. Massage can increase circulation around painful joints, bringing healing oxygen and nutrients, including amino acids, to rebuild tissue. Many massage therapists report that their arthritic clients find better and longer-lasting relief from massage than from pharmaceuticals.

Whether its reducing the symptoms of arthritis, or simply addressing the aches and pains of living an active life, massage can play an important role in aging well.

## Bennies for Boomers

The benefits from massage and bodywork can help bodies of all ages, especially for baby boomers. Research has shown that massage:

- Improves range of motion and decreases low-back pain.
- Increases circulation, allowing the body to pump more oxygen and nutrients into tissues and vital organs.
- Provides exercise and stretching for atrophied muscles.
- Reduces swelling and scar tissue.
- Reduces recovery time from injury/surgery.
- Reduces stress, a major contributor to disease and ill health.
- Releases endorphins, the body's natural painkiller, thereby reducing the need for medications.
- Stimulates lymph flow and supports the body's natural process of detoxification.

## Psychological Value

In addition to all the physical benefits massage and bodywork offers, there also are proven psychological changes we experience with massage. One of the reasons massage feels so relaxing is that there is a literal psychological benefit as dopamine and serotonin become balanced in the system. And when massage produces oxytocin in the body, there is a sense of being nurtured. Add that to the restorative effect that comes from those quiet moments during massage, and you've got a process that experts say is incredibly healing.

Aging, obviously, is a process none of us can avoid. As Benjamin Franklin said, "When you're finished changing, you're finished." Turn the inevitability of aging into a positive process of change and let massage and bodywork help you along the journey.



The aches and pains that often accompany the aging process can be managed with bodywork.

# A Walking Workout

## Have Fun While Burning More Calories

Imagine the lone hiker, backpack laden with sleeping bag and bedroll, wielding a well-worn walking stick as she climbs the side of a snow-covered mountain. For centuries, trekkers have used walking sticks, partly as a defense against attacking wildlife, partly to aid in balance, and partly as support on long, arduous climbs. But in recent years, many hikers have replaced the single wooden walking stick with hiking poles.

Held in both hands and used to distribute weight more evenly through the four limbs, wilderness hikers have found poles invaluable for safety, efficiency, and comfort on long hikes. What wilderness hikers have known for some time now is that walking poles are a great way to relieve pressure on knees, ankles, and the back. They encourage better posture and provide a total body workout by engaging the upper body.

Now, hiking poles are showing up in urban areas as fitness walkers discover the benefits they provide. Nordic walking--similar in technique to cross-

country skiing--is a great way to get a whole body workout, increase oxygen consumption, and burn more calories than regular walking or even speed walking. This total body workout burns 40 percent more calories and consumes 25 percent more oxygen. Poles can be purchased at most outdoor sporting stores, along with rubber tips for use on paved paths.

### TECHNIQUE

Adjust your poles to approximately 70 percent of your height and loosely secure the straps around your wrists. Hold the poles at an angle behind you so they propel you forward with a slight bend at the elbow. Use an opposite hand-and-heel motion as you walk--right heel strikes as left pole tip contacts the ground. And you're on your way! Don't be shy with your poles. Remember: You're burning 40 percent more calories.

For more information, visit [www.walking.about.com/od/nordicwalking/index.htm](http://www.walking.about.com/od/nordicwalking/index.htm).



Add walking poles, and burn more calories.

# The Sunshine Vitamin

*Shelley Burns*

In the world of skin health, we focus on ways to improve skin quality. We work to prevent acne, cellular damage, dryness, and wrinkles. It is less common to discuss how a skin-care strategy may increase risk of developing other health conditions.

Skin cancer is one example. To prevent skin cancer, we protect ourselves with sunscreen--especially during the summer months. But by using sunscreen we are blocking the absorption of vitamin D, the "sunshine" vitamin.

Vitamin D is fat soluble and contains powerful antioxidant and anticarcinogenic properties that can prevent premature aging and cellular damage. Solid research indicates that

vitamin D plays a role in reducing the risk of cancer, specifically breast, colon, and prostate cancers. Vitamin D has been associated with preventing diabetes by reducing insulin sensitivity. It also improves heart health, reduces the risk of multiple sclerosis, strengthens bones, and decreases the effects of seasonal affective disorder.

Vitamin D can help resolve skin conditions like psoriasis, as it plays a role in skin cell regulation, including cell turnover and growth. Vitamin D can be effective in reducing the itching and flaking associated with this disorder. Ultraviolet B (UVB) treatments have long been used successfully in treating psoriasis because UVB produces vitamin D in the body.

Getting between 5-10 minutes of direct sun exposure daily on the arms, face, hands, and back (without sunscreen) can provide enough vitamin D to meet your daily requirements, though sun exposure does present a risk. Because it is difficult to obtain enough vitamin D through food, many prefer to use supplements. Research on the health benefits of ingesting vitamin D led experts to advise an intake of 25-50 micrograms daily.

*Shelley Burns is a doctor of naturopathic medicine and completed studies at the Canadian College of Naturopathic Medicine. She has certification in complementary and integrative medicine from Harvard University.*

*Continuity gives  
us roots; change  
gives us  
branches, letting  
us stretch and  
grow and reach  
new heights.*

-Pauline R. Kezer

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Go Green! Body Sense magazine has gone digital and is now available online. View from the link on "Benefits of Massage" page at [www.goodhealth.massagetherapy.com](http://www.goodhealth.massagetherapy.com).

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