

Carpal Tunnel Syndrome

Bodywork Treatment Proves Successful

Cathy Ulrich

It started as a vague feeling of numbness in her thumb and first two fingers, then progressed slowly to a definite tingling that woke her several nights a week. "It's not so bad on weekends when I have a chance to rest my arms, but it's now getting in the way of things I like to do at home," says Marie, who spends long hours during the work week typing at her computer keyboard. "I love to knit and cook, and I've had to curb these activities, as well."

Diagnosed with carpal tunnel syndrome, Marie displayed the classic symptoms: soreness in her forearms, pain in her hands at the end of a long day at the computer, and a feeling of tightness that had spread from hands and wrists all the

the same way many times a day over a long period of time, she has literally worn out the tissues involved in that motion. This type of injury -- called a repetitive strain injury, or RSI -- creates tiny tears in the fibers of the soft tissues of the body. While they don't immediately cause loss of function, these micro-tears set up conditions for chronic inflammation that will eventually manifest as pain, soreness, tightness, tingling, and burning.

CTS

The hand and wrist combination work together as an amazing, mechanical anatomical wonder. Imagine a set of ropes and pulleys that travel from the

*A man's health
can be judged
by which he
takes two at a
time -- pills or
stairs.*

-Joan Welsh



Working at a computer keyboard for long hours each day can bring on carpal tunnel syndrome.

way to her elbows. And recently, she'd been getting headaches.

Marie has a couple of different options for treating the problem. "My doctor tells me he can operate, but the surgery isn't always successful," she says. "He recommends I try bodywork first."

Because Marie does the same motion in

elbow through the wrist to the finger tips. The muscles reside in the forearm, moving the fingers via long tendons that run through channels in the wrist. The nerves that send and receive sensory and motor information from the brain run alongside the tendons through these same channels.

Continued on page 2

Office Hours and Contact

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In this Issue

**Carpal Tunnel Syndrome
Why Buy Organic?
Massage for Seniors**

Continued from page 1

When bending or straightening a finger, these tendons slide back and forth, just like cables. When continually working at a keyboard and using the same motion in the same position thousands of times a day -- like millions of Americans do -- the cables begin to wear. And just like threads in a rope, some of the collagen fibers will tear. This process progresses until enough fibers are torn that the body develops inflammation in the tendons and sheaths. Swelling ensues, which pinches the nerves, producing the classic symptoms of tingling, swelling, and even loss of grip strength.

The Bigger Picture

The symptoms of carpal tunnel syndrome may reveal an even bigger problem. The nerves that carry sensory and motor information to the hand arise from the spinal cord in the neck, travel under the collar bone, through the armpit and elbow, all the way to the wrist. A nerve can become entrapped at the neck, shoulder, elbow, or wrist, and an impingement in any of these places can have a cumulative effect on the tingling felt in the hands. These entrapments are usually caused by poor postural habits. The soft tissues become shortened around habitual positions of rounded shoulders and forward head from working long hours at the computer and the channels where the nerves travel through the shoulders and arms can close down. Sound familiar?

Can Bodywork Help?

A recent study conducted at The Touch Research Institute at the University of Miami School of Medicine looked at the efficacy of bodywork in treating carpal tunnel syndrome. Researchers found that after the completion of four massage sessions, the participants experienced an improvement in grip strength and a decrease in pain, anxiety, and depression. Participants also showed improvement in specific medical tests used to diagnose carpal tunnel syndrome.

This landmark study verifies what bodyworkers have observed clinically for years: Massage -- and especially deep tissue techniques, such as neuromuscular therapy, Rolfing, and Hellerwork -- can reorganize the connective tissue fibers, break up scar tissue, and reduce or eliminate the cause

of inflammation. Soft tissue work helps realign these tiny fibers of the tendons and sheaths, and the body can then heal itself -- and ease or even eliminate carpal tunnel syndrome.

Bodywork to the entire arm, shoulder, and neck will also free soft tissues where hidden tightness can contribute to the problem. Soft tissue inflammation can travel through the continuous connective tissue framework from fingertips to head and even cause headaches -- as was the case with Marie. Massage can restore these tissues to normal function.

Other Considerations

In addition to bodywork, it's important to evaluate postural habits, work station positioning, and movement patterns. When workers become so focused on their work that they forget their bodies, they tend to maintain positions that

contribute to the cause. It's important to identify several ways and several positions to accomplish the same thing. Moving the mouse from one side to the other, even during the same day, can help prevent fatigue and tissue failure. Wrist rests and keyboard trays are important, and a regular stretching routine is essential.

Finally, along with exercise and good nutrition, include bodywork as part of your regular health maintenance program. Regular massage reduces connective tissue inflammation and prevents scar tissue from forming. Movement education, such as the Alexander Technique, Feldenkrais Method, structural integration, and Trager Approach can help correct postural issues that also contribute to the problem. Bodywork is a treatment of choice to keep carpal tunnel syndrome from slowing you down.



Massage and bodywork can help mitigate the symptoms of repetitive stress injuries, like CTS.

Why Buy Organic?

Is the Higher Price Worth It?

While shopping in your grocery store's produce section, you may notice the organically grown apples are pocked and not as big and perfectly round as the conventional produce, but they are more expensive. What's the difference, and which do you choose? Your decision may significantly impact not only your health but the health of the planet and the economy.

DEFINING "ORGANIC"

Organic foods are derived from sustainable farming practices that maintain and replenish soil fertility without the use of toxic pesticides and fertilizers. These foods are minimally processed and do not include artificial ingredients or preservatives. On the other hand, conventional farms often rely heavily on pesticides, genetic modification, synthetic hormones, and antibiotics.

DOES IT REALLY MATTER?

To understand the fallout of conventional farming is to realize the argument for organics. Bob Scowcroft,

executive director of the Organic Farming Research Foundation, touches on the devastating consequences of pesticides. "DDT nearly eliminated the American eagle by affecting their ability to reproduce" he says. "Since World War II, we've introduced more than 9,000 chemicals into the environment. And we don't know the full impact on humans and different sized humans," he adds, alluding to studies revealing damaging effects on children.

When you buy organically certified foods, you're ensured they are free of pesticides, hormones, antibiotics, and genetic DNA modification.

"Organics are better for the environment, and it's an investment in the revitalization of rural America," Scowcroft says. Organic farms are usually smaller, family-owned farms contributing to the economy of struggling rural America, he explains. The organic choice may be a little more expensive, but it's an investment in your health and the future.



Organic foods are free of pesticide residue.

Massage for Seniors

Bodywork Improves Quality of Life

Almost 35 million Americans are age 65 or older, and about 2,000 more reach this age every day. As the U.S. demographic shifts to an older population, it's important to find ways of helping our elders maintain their health and vitality. Massage for seniors is gaining importance as an alternative therapy to increase quality of life, and many massage therapists are getting special training to better serve this growing population.

SENIORS' SPECIAL NEEDS

While similar in technique to other forms of massage, geriatric massage considers the special needs of the elderly. The specialty trained practitioner knows about positioning for greatest comfort and will often have

the client rest in the same position for the entire massage. Mobility challenges may dictate the massage be done in a bed or wheelchair. The therapist may also work both sides of the body at the same time to enhance body awareness, or only work hands and feet, if the client prefers. Sessions may be limited to 30 to 45 minutes, as older clients often do better with shorter, more frequent, massages.

The geriatric massage therapist is aware of health issues associated with aging and how to safely work with this type of client and with associated physicians. Consequently, the practitioner is able to individualize the massage service based on the client's health, mobility, and comfort level.

BENEFITS OF GERIATRIC MASSAGE

A recent study conducted at the Weaver's Tale Retreat Center in Oregon looked at the effects of massage for elderly clients. The results of the two-year study showed that participants experienced a decrease in breathing rate of 50 percent and an improvement in range of motion, posture, body awareness, skin color, and muscle tone. Furthermore, it is well documented that caring touch benefits emotional well-being in seniors -- a population at greater risk of suffering from depression.

Massage therapy can add to the quality of a senior's life, both physically and emotionally. Consider booking a session for someone you love, and make a difference in their life.

*Kindness in
words creates
confidence.
Kindness in
thinking creates
profoundness.
Kindness in
giving creates
love.*

-Lao-Tzu

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AMMA will designate 50% of all proceeds from gift certificates purchased during the month of December to Appalachian Sustainable Development (ASD), a not-for-profit organization working in the Appalachian region of Virginia and Tennessee.

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