

# Working at the YMCA

September 2015 Member, Associated Bodywork & Massage Professionals

## The Implications of Bodywork

### Human Touch Has Powerful Results

Cathy Ulrich

Whether in giving or receiving, touch is as essential to human survival as is food. Infants deprived of touch, even when they are getting adequate nutrition, will fail to thrive. Elders isolated by loss of partners and friends become depressed not only because of the absence of social interaction, but also because of the simple loss of physical contact.

We calm our pets by stroking them, we greet each other with a hug or a handshake, and we soothe our children by holding them. No other form of connection is as powerful and universal as touch. Taking a look at how this sensation is connected to the brain provides insight into the significance of bodywork.

because of our skin. Our skin tells us about our environment and ourselves. When we touch something with our fingers, we're not only sensing the object, we're also feeling our own skin, our own boundaries.

In the first few days of an embryo's life, the cells that eventually become a fully formed baby divide into three layers. The brain and skin come from the same layer, and they develop together, not only before birth, but well into the first year of life. When a baby is held, cuddled, and breast-fed, she's getting crucial stimulation to build neural connections between her skin and her brain that will ultimately last her entire lifetime.

*Whoever is  
happy will  
make others  
happy too.*

-Mark Twain



No matter the age, human touch plays a significant role in mental and physical health.

### Skin and the Brain

The adult human lives inside an envelope of about 18 square feet of skin. Every inch houses thousands of nerve endings and various kinds of sensory receptors, all working to tell the brain about its surroundings. The cold of an ice cube, the softness of a cat's fur, a warm breeze, the caress of a loved one--all of these feelings are possible

Study after study has shown that touch is not only important for development, but is crucial to survival. James H.M. Knox of Johns Hopkins Hospital reported in 1915 that babies left in orphanages and given proper nutrition died at a rate of about 90 percent. Other studies of the same era confirmed

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these findings and showed that those babies who did survive were often mentally handicapped and stunted in their growth. These valuable studies helped institutions understand the importance of touch. When staff was added to provide enough time for each child to be held, handled, and touched, mortality rates dropped dramatically.

## Massage for Children

Those early statistical studies showed how vital touch is to developing infants. Researchers are also finding that giving massage to premature infants can improve their growth and overall health. A study conducted by the Touch Research Institute (TRI) at the University of Miami found that when stable premature babies were given five, one-minute massages a day, they gained 47 percent more weight than their counterparts who didn't get massage.

A 2001 study conducted by TRI showed that when mothers gave their infants a 15-minute massage before bedtime, these sleep-challenged kids went to sleep more quickly and were more alert during daytime hours.

Conversely, clinical research and sociological studies link touch deprivation with aggression. A 2002 study reported that adolescents with a history of aggressive behavior showed less aggression and were less anxious after receiving a 20-minute massage twice a week for five weeks.

Massage also reduces the symptoms of Attention Deficit Hyperactivity Disorder so kids can concentrate better, and it's even been found that the right kind of touch can help kids with autism relate better to teachers and family members.

## Massage for Adults

Ongoing research by the Touch Research Institute continues to prove that massage is an important therapy for many conditions. After a massage, levels of the stress hormone cortisol drop in saliva tests, examinations show an improvement in alertness and relaxation, depression scores decrease, and mental focus improves.

The exponential growth of the bodywork field is a testament to the value of safe, therapeutic touch. Of course bodywork

can play an essential role in the healing of specific chronic or acute orthopedic conditions, but it also serves as a powerful aide in improving the quality of life for adults.

Stan, a former client, was going through a nasty divorce. He had friends to support him emotionally, but it seemed that the thing he missed most was the nurturing touch of his partner. He credits weekly massage appointments, along with seeing a counselor, to his emotional recovery. Massage can be a healthy way to get that much-needed human contact.

## Massage for Elders

People confined to nursing homes rarely get more than daily hygienic care in terms of touch. Yet elders need touch as much as infants; studies show that when they receive regular massage, the elderly have less depression and anxiety,

experience better physical coordination, and show a decrease of stress hormone in their saliva.

Geriatric massage is a growing field requiring specialized training, and many massage therapists offer it in their practices. Some nursing homes now provide massage to their residents. Elders appear to respond as well to bodywork as, if not better than, their younger counterparts.

## Contact for All Ages

Before babies learn about their hands and feet, they need the touch of loved ones and caregivers. We retain that need our entire lives. Remember to savor touch the next time you're lying on a massage table. Your therapist is not only working out tight muscles, she's contacting your entire nervous system, calming you through pathways that were put in place before you were born.



**Infant massage has shown great benefits in calming babies and helping pre-term infants thrive.**

# The Art of Bathing

## Simple Recipes to Soothe Mind and Body

From bubble baths to essential oils to Dead Sea salts, prepared bath products are designed to enhance a bathing experience, but they can be expensive. Instead of spending the extra money on special bath products, try one of these natural, simple bath recipes with ingredients you probably already have in your cupboard or refrigerator.

### Epsom Salts

ADD 2 CUPS EPSOM SALTS TO BATH WATER. Magnesium sulfate, or Epsom salts, has been used for centuries as a folk remedy, and research now confirms its numerous benefits. The second most abundant element in human cells and a crucial component for bone health, magnesium is also needed for muscle control, energy production, and the elimination of toxins. Magnesium eases stress, aids sleep, and improves concentration while reducing inflammation, joint pain, and muscle cramps. Sulfates help to flush toxins from the body, prevent or reduce headaches, and even improve brain function.

Most American diets are deficient in magnesium. However, one of the best ways to boost dietary intake is by bathing in Epsom salts, which are readily absorbed through the skin.

### Milk

ADD 2-4 CUPS MILK OR BUTTERMILK TO BATH WATER.

Rich in calcium, protein, and vitamins, milk replenishes the skin, while lactic acid found in milk acts as a natural exfoliant. A member of the alpha hydroxy acid family, lactic acid breaks the glue-like bonds between the outer layer of dead skin cells. Soak in a milk bath for 20 minutes, then gently scrub skin with a loofah or washcloth.

### Honey

ADD 1/4 CUP HONEY TO BATH WATER.

A fragrant, natural humectant, honey helps skin attract and retain moisture. Its antibacterial and anti-irritant properties make it an ideal cleansing and soothing additive to a warm bath.



Turn your home bath into a spa experience.

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# Massage for Old Injuries

## Ancient Injuries Don't Have to Make You Feel Old

Art Riggs

Injuries such as chronic back pain, trick knees, and sticky shoulders are not necessarily something you just have to live with. Massage techniques might hold the key to unlocking this old pain.

### Will Massage Help?

The benefits of massage will depend on the extent of the injury, how long ago it occurred, and on the skill of the therapist. Chronic and old injuries often require deeper and more precise treatments with less emphasis on general relaxation and working on the whole body. Massage works best for soft tissue injuries to muscles and tendons and is most effective in releasing adhesions and lengthening muscles that have shortened due to compensatory reactions to the injury. Tight and fibrous muscles not only hurt at the muscle or its tendon, but can also interfere with proper joint

movement and cause pain far away from the original injury.

Therapists who perform such work often have specialized names for their work--such as orthopedic massage, neuromuscular therapy, myofascial release, medical massage, etc.--but many massage therapists utilize an eclectic approach combining the best of the specialties.

### It Works!

A recent Consumer Reports article ran the results of a survey of thousands of its readers and reported that massage was equal to chiropractic care in many areas, including back and neck pain. Massage also ranked significantly higher than some other forms of treatment, such as physical therapy or drugs.

If that nagging injury persists, consider booking a massage. Be sure to discuss the injury with your practitioner: How did you receive the injury? Have you reinjured it? And what exactly are your symptoms? Often, the body compensates in one area to protect another that has been traumatized, and this can create new problems.

Discuss the issues with your massage therapist. (Sometimes just talking about old injuries can play a significant role in the healing process.) Together, the two of you can work to determine a treatment plan.

*Try to be a  
rainbow in  
someone's cloud.*

-Maya Angelou

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