

## 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.



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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*The greatest achievements were at first and for a time dreams. The oak sleeps in the acorn.*

-James Allen

#### Office Hours and Contact

**Massage & Wellness**  
201 1/2 E Grand River Ave Suite 19  
East Lansing, MI 48823  
Phone: (517) 203-1113  
**OPEN 7 DAYS FLEXIBLE HOURS**  
[www.massageandwellnessonline.com](http://www.massageandwellnessonline.com)

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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.

# On the Rocks

## Stone Massage Provides Tension Relief and Grounding

It's a practice as old as time, but one that has been recently rediscovered. LaStone Massage Therapy, generically known as hot stone massage, is the updated version of a technique employed by Native Americans, using gently warmed rocks to massage the body. The technique provides a deeply relaxing, healing, detoxifying, and, some say, spiritual experience.

Typically, the stones are smooth, black rounds of basalt in varying sizes heated in water to temperatures between 125 and 140 degrees. Warm stones encourage the exchange of blood and lymph and provide soothing heat for deep-tissue work. Cold stones are also used to aide with inflammation, moving blood out of the area, and balancing male/female energies. The alternating heat and cold of thermotherapy brings the entire body into the healing process, with a rapid exchange of blood and oxygen and alternating rise and fall of respiration rate as the body seeks homeostasis.

During treatment hot stones are placed on energy pathways. Some are covered with a towel and positioned to apply steady warmth and pressure along the spine and neck. Others are placed between fingers and toes and on the stomach and forehead -- key spots where energy flow can get blocked. Still others are used almost as an extension of the practitioner's hands to help go deeper into resistant muscle tissue. This requires less effort from the practitioner's own body and delivers healing warmth to the hands, benefitting the therapist, as well as the client.

In addition to the physical effects, hot stone massage is also considered a kind of energy work, calming and energizing the body but with an extra element thrown into the mix to make it more than just a sensory delight. The theory is that incorporating something from nature -- the stones -- adds a symbolic dimension to this therapy, creating a primal connection to the elements for a grounding experience.



**Stone massage is both calming and energizing.**

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# The Art of Aromatherapy

## Essential Oils Provide Healing and Balance

Aromatic essential oils extracted from herbs, flowers, resin, wood and roots have long been a source of healing since ancient times, aiding in relaxation, circulation and wound healing. However, the use of these medicinal oils declined as the modern pharmaceutical industry developed. In 1928, French chemist Rene Maurice Gattefosse revived the use of essential oils and developed the art and science of utilizing naturally extracted aromatic essences from botanicals to balance and harmonize the health of body, mind and spirit. Gattefosse coined the practice aromatherapy.

Because aromatherapy's affect on emotional health, many massage therapists and bodywork practitioners

incorporate this noninvasive treatment into their practices. Dispensers or diffusers filled with aromatic essences may be used to scent the massage room, and specific essential oils are used on the client's skin during the massage. Because each oil has unique characteristics and benefits, the choice of oil or oils can be customized to the client's needs and emotional state. Whether inhaled or applied topically, aromatherapy requires an understanding of how each essential oil interacts with the body, as well as the mind.

Many pure essential oils need to be diluted, as they can cause irritation when applied directly to the skin. To guarantee safe and correct usage, consult a trained herbalist or practitioner.

The emotions listed below can be gently eased by one or a combination of the following essential oils:

**Anxiety:** bergamot, cedarwood, clary sage, frankincense, lavender, patchouli, Roman chamomile, rose, sandalwood.

**Fatigue, Burnout:** basil, ginger, grapefruit, jasmine, lemon, peppermint, rosemary, sandalwood.

**Stress:** bergamot, frankincense, geranium, lavender, mandarin, neroli, patchouli, Roman chamomile, ylang ylang.

**Anger:** jasmine, neroli, orange, patchouli, petitgrain, Roman chamomile, rose, vetiver, ylang ylang.

*Holding on to  
anger is like  
grasping a hot  
coal with the  
intent of  
throwing it at  
someone else;  
you're the one  
who gets burned.*  
-Buddha

We have new services on our menu! Treat yourself to a hot stone massage... Add your choice of aromatherapy to your massage... Enjoy a paraffin wax hand treatment and massage! Relax with that special someone by treating yourselves to a couples massage! Coming soon: Body treatments!

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201 1/2 E Grand River Ave Suite 19  
East Lansing, MI 48823-4323



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