

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.

"Investing in health will produce enormous benefits."

-Gro Harlem Brundt



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.

Happiness is Contagious

Maybe mom was right. Research suggests that surrounding yourself with friends and family who are happy can actually increase your own happiness.

Scientists at Harvard University and the University of California, San Diego, found that emotions, particularly happiness, have a viral effect in how they spread from one person to another. For every happy person in your physical social network, you have a 9 percent chance of increasing your own happiness. The effect is more pronounced the closer someone is to you geographically, and it does not seem to include electronic communications. The study, "Dynamic Spread of Happiness in a Large Social Network," can be found online in the British Medical Journal (www.bmj.com).

This is especially good news considering the potential health benefits of happiness and positivity. A study published in *Stroke* magazine has indicated a "significant association"

between optimism and a reduced risk of stroke. This is in addition to studies that have linked optimism to a healthier immune system, faster wound healing, and a lower risk of heart disease. While the exact cause of the benefits is not clear, one theory is that optimistic people are more likely to take care of their health. In addition, there is hope that teaching optimism could become part of a preventative program for various conditions.

What's one way to get happy? Try massage! Exposure to stress, a contributing factor to unhappiness, over a long period of time can increase the rate of neural degeneration and increase the risk for Alzheimer's disease. Luckily, a study from Umea University in Sweden has shown that just five minutes of massage has the potential to lower stress, and 80 minutes of massage has a tremendously positive effect on stress levels. Get massage, get happy, and cheer up your friends and family!



Surrounding yourself with happy people is healthy!

MT Straight Talk

What Your Massage Therapist Needs to Know

Angela England

Most massage therapists guide first-time clients through an intake process that includes discussing health histories and other medical concerns. But talking with your therapist about these things should not end with your first massage. Before each session, take a minute to speak with your therapist about any new medical conditions or injuries, lasting aches and pains, or any other changes in your life. Here are some of the issues your massage therapist should know about.

Medical Changes

It's a good idea to regularly update your medical record with your therapist, especially if you've been diagnosed with an illness or medical condition--such as high blood pressure, heart disease, diabetes, a chronic autoimmune disease, or skin allergies--or are taking any new medications. Certain medical concerns

preclude you from receiving massage. Other conditions, such as pregnancy, simply change the way your practitioner approaches the session.

A New or Acute Injury

Maybe you spent hours driving to a destination getaway and your shoulders ache, or you stepped off the porch wrong and sprained your ankle. Any time you have a new ache, pain, sprain, twist, or pulled muscle, mention it to your therapist. Depending on the location and extent of your injury, the session may need to be postponed or the injury site avoided until more healing has occurred.

Personal Preferences

This category is less obvious, but equally important. Everyone has unique

preferences and sometimes there may be something you would like to change for your next massage. Whether you want to bring your own music, have the temperature adjusted, or be draped in an extra blanket, your therapist can easily adapt as long as you communicate your preferences.

Help your practitioner help you. Take a moment to check in with him or her before your next session.

Angela England enjoys doing massage, gardening, writing, and spending time with her three young children.

*"So long as we
are in conflict
with our body,
we cannot find
peace of mind."*

-Georg Feuerstein

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