Stress can adversely affect our health and wellbeing, but what is actually taking place in the body that makes it so worrisome for our health? What exactly is stress, and how does it influence our biological systems? How can a feeling cause an injury or illness? Most importantly, how can chronic stress be managed in order to prevent or reverse negative health effects?

Through mindfulness and breath awareness, the functioning of our entire biological system is shifted, enhancing our mood, decision making skills and improving our chance of experiencing stress. It also improves our perception of stress, or our “health locus of control.”

Nearly all individuals experience acute or chronic mental stress and accept it as a normal part of living in the current day and age. According to the American Psychological Association and the American Institute of Stress, the amount of perceived stress individuals face has increased exponentially in the past five years. Among the top stressors are money, work and personal relationships. In fact, 52 percent of Americans rated their health as a cause of stress.

Not only has the overall health of Americans steadily declined —as shown by recent research that indicates only 40 percent of Americans rated their health as very good or excellent — but the level of perceived stress has increased three-fold. We have learned we have the greatest influence on our health, happiness and perceived stress than ever thought before.

Chronic stress has the ability to shift our biological functions from a state of wellness and balance, to a state of potential injury, illness and even chronic disease. Stress is commonly thought of as a negative occurrence leading to a range of uncomfortable emotions and symptoms. However, stress can also be the foundation for productivity and innovation. The main distinction lies within our perception and choice responses to the stress.

**What is Stress then, If it Can be Both Helpful and Harmful?**

Stress can be defined as any situation that disturbs the equilibrium of a living organism (including plants and animals) and forces them to adapt or change. Mental stress can be any situation in which environmental demands – internal demands or both – tax or exceed the adaptive resources of an individual, social system or physical tissue system.
is decreased and blood flow to the digestive system is less, resulting in slower metabolism and reduced nutritional intake. When cortisol is being released during this state, fat storage is increased in order to ensure survival.

This phenomenon is a factor contributing to the current epidemic of obesity. In females, stress has also been linked with the disruption of the normal menstrual cycle. Prolonged exposure to stress can lead to severe sexual malfunction including the inability to ovulate, menstrual irregularities, infertility and the complete impairment of reproductive functions.

Managing Your Stress with Mindfulness

So, how can stress be managed, reduced or even eliminated, in order to reverse or halt the harmful effects of it? The power to influence your reactions to stress and build resilience can be achieved through mindfulness, self-awareness, acknowledging our own intuitive guidance system and practicing stress management techniques such as yoga and meditation, amongst others. Mind and body awareness allows individuals to influence their susceptibility to stress or trauma on the physical body.

Understanding and expanding our health locus of control by challenging negative thoughts has long been used to decrease stress and improve quality of life. Fortunately, mindful awareness can be practiced and learned no matter where you are in your current state of stress! In this context, mindfulness refers in part to the heightened awareness of an outside stress as the first step toward relaxing, in a way that can minimize the effects of that stress on the body.

Practicing Breath Awareness

The foundation for a healthier condition of living can be achieved most readily through breath awareness. Simply taking the time to breathe with awareness has the power to shift our functioning from the SNS to the parasympathetic nervous system (PNS), the

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Steps for Practicing Breath Awareness:

- Begin with taking 30 to 60 seconds three times a day to sit quietly while placing your hands on your lower belly. When breathing in, feel your belly rise and fall as you fill up with air.

- Allow your mind to rest on the sensations of your breath, and the movement of your stomach. Focusing on a particular detail of your breath (such as the sound of your breath or even the feeling of your belly or chest rising) can have exponential health benefits.

- Understand that the mind will wander, and no matter how many times you need to, compassionately bring your attention back to the sensations of your breath.

The taxing demands of our environment make it difficult to believe that something as simple as breath focus can influence so powerfully our state of mind. However, breath awareness and meditation are some of the most solid tools available to conquer stress. Mindfulness involves stopping, paying attention and becoming aware of the present moment’s realities in a non-judgmental way.

Practicing deep breathing improves blood flow to the intuitive prefrontal cortex of the brain, thereby enhancing your mood and decision making skills instantaneously.

When we are able to think more clearly, and reroute our energy in a positive direction, we experience the power of our own mental capacity and are offered a moment to choose a reaction to a given situation. This simple practice is unfortunately underutilized, even though it is available to everyone, every day. The self-awareness found in the breath offers opportunities for reflection, contemplation, and guidance towards our own moral compass. When we’re self-aware, we understand the role we play in choosing our perceptions, and the deliberate creation of our own reality.

System responsible for the ‘rest and digest’ activity within the body. When in this state, the body is able to restore its normal function, which stops the production of stress hormones, lowers blood pressure, increases lung capacity and calms the nervous system.
As we learn to shift our focus to what is under our control, rather than what is not, we enhance our internal health locus of control. This empowering shift reveals the choice we have concerning how long we decide to be confined by the emotional effects of stress, and is also determines the severity of our biological responses to the stress. Breath is the optimal place to begin when cultivating a greater sense of self, because it brings your mind into the present moment and away from fear of the future. Accompanied with exercise, positive social circles and nutritionally balanced diets, mindfulness fosters a greater quality of life.

**Conclusion:**

The connection between stress and the onset or manifestation of physical ailments has more recently been accepted in Western culture. By expanding our health locus of control, the biological responses to stress and our influence of these responses through mindful breath awareness can significantly reduce our risks for the adverse health effects of stress. However, stress need not be present in order to increase your quality of life through mindfulness.

Mindfulness, mediation, a healthy active lifestyle and compassion for yourself encourages a joyful experience in life, and can be practiced during even the busiest times in your life. We are in control of how we perceive and respond to situations, and by practicing the shift of our focus from negative to positive while remaining in the present moment, we’ll see our lives be enriched through the power of choice with happiness beyond our greatest expectations.

**Namaste**

**About the Author:**

Working within the health field for five years, Laurel Dierking MEd, NFPT, YYT-200, is passionate about cultivating body, mind and spirit awareness through holistic health practices. As a health and fitness professional and yoga instructor at JKFITNESS, Ms. Dierking strives to guide individuals on a path to self-awareness, long-term functional fitness and weight-loss management.
OAC Membership Application

Why Join the OAC? The OAC is a more than 50,000 member-strong 501(c)(3) National non-profit organization dedicated to giving a voice to the millions affected by the disease of obesity and helping individuals along their journey toward better health through education, advocacy and support. Our core focus is to raise awareness and improve access to the prevention and treatment of obesity, provide evidence-based education on obesity and its treatments, fight to eliminate weight bias and discrimination, elevate the conversation of weight and its impact on health and offer a community of support for the individual affected.

1. OAC Membership Categories (select one)
   - Individual Membership: $20/year $10!
   - Institutional Membership: $500/year
   - Chairman’s Council Membership: $1000+/year

Are you joining for the first time, or are you renewing your OAC Membership?
   - I am joining for the first time (never been an OAC member).
   - I am renewing my membership (have joined the OAC in the past).
* $10 memberships available for a limited time

2. Donation Add-on
   Add-on Donation: Make a General Donation
   Make a tax-deductible donation to the OAC when joining as a member. Your donation helps the OAC’s educational and advocacy efforts.
   - $5
   - $10
   - $25
   - $50
   - $100
   - Other __________

3. Membership/Donation Add-on Totals:
   Membership Fee: +$________
   Donation Add-on (optional): +$________
   TOTAL PAYMENT: $________

Payment Information
   - Check (payable to the OAC) for $______.
   - Credit card for my TOTAL, including add-ons, of $______
     - Discover®
     - MasterCard®
     - Visa®
     - Amex®
     - Credit Card Number: _______________________
     - Expiration Date: _______________________
     - Billing Zip Code: _______________________
     - CV Code: __________

Contact Information
   Name: _______________________
   Address: _______________________
   City: __________________ State: __________ Zip: __________
   Phone: __________________ Email: __________________

JOIN ONLINE! To join the OAC online, please visit www.ObesityAction.org and click on the “Get Involved” tab.

BUILDING A COALITION OF THOSE AFFECTED

The OAC is the ONLY non-profit organization whose sole focus is helping those affected by obesity. The OAC is a great place to turn if you are looking for a way to get involved and give back to the cause of obesity.

Why YOU Should Become an OAC Member

Quite simply, because the voice of those affected needs to be built! The OAC not only provides valuable public education on obesity, but we also conduct a variety of advocacy efforts. With advocacy, our voice must be strong. And, member is what gives the OAC its strong voice.

MEMBERSHIP BENEFITS

- Official welcome letter and membership card
- Annual subscription to the OAC’s publication, Your Weight Matters™ Magazine
- Subscriptions to the OAC Members Make a Difference and Obesity Action Alert monthly e-newsletters
- “Bias Buster” Alerts, alerting specifically to issues of weight bias
- Immediate Advocacy Alerts on urgent advocacy issues and access to the OAC’s expert advocacy team
- Ability to lend your voice to the cause