

Living Health 'n' wellbeing

WELLBEING

Chew on this leaf!

Beena Gokul

Best view is an evergreen shrub-like creeping creeper, which can be grown in a pot in any area in the garden. It consists of many small rose- and violet-like flowers, which are vital to the human body. The essential oil in the leaves gives it the unique sweet and pungent taste. After chewing of the leaves acts as a salivary secretory stimulant, aiding digestion, disinfecting the breath and also giving the teeth.

Also, leafy lemon has medicinal, anti-fluoride, anti-stress, curative, analgesic, antispasmodic and anesthetic properties. It is used as an anti-nausea, anti-vomiting, anti-stomach, anti-diarrhoeal, anti-cancer and anti-inflammatory agent. In fact, the juice is efficacious in relieving tension, headache and drowsiness.

- Herbs' subtle sweet taste benefits of healthiness
- Application of leafy lemon juice on the chest relieves bronchial problems, chest congestion and difficulty in breathing.
- As a diuretic, two teaspoons of leafy lemon juice with half a glass of milk facilitates easy urination.
- Regular chewing of the leaves improves lactation nursing mothers.
- For intense headache, application of the juice on the forehead gives relief.
- For abdominal and gastric disorders involving children, application of several leaf-coated with lemon oil gives instant relief.
- As a natural tonic, consume a tablespoon of leafy lemon juice with two teaspoons of honey on a daily basis.
- To get rid of persistent cough, add a tablespoon of leafy lemon juice with a teaspoon of honey slowly.
- It is common to see the leafy lemon areas in the forest, which resemble the beautiful and lighter the heavy, living after a heavy rain.
- Leafy lemon is used in the manufacture of toothpastes, oral rinses and chewing gums.

Caution: Excessive chewing of leafy lemon may lead to oral cancer, pharyngitis, loss of appetite and taste.



Stretch & strengthen

YOGA AT WORK Sitting at your workstation for long hours is more injurious to your health than smoking. It's time for some damage control with simple yoga exercises that can be done right at your desk, suggests **Manish Pole**

W e live in an age of fast life-styles and modern gadgetry where there's no time or space for our health. At most workplaces, stress is considered a part and parcel of modern living today. While we generally enjoy our jobs, other associated factors like long working hours, arbitrary deadlines, job security concerns, reduced incentives and greater demands of output, have started taking the downward spiral of our health.

Stress factor
The external event that causes a stressor is usually a "trigger" and it is only the individual's internal response to that event that becomes the stress. In other words, we are choosing (generally due to lack of awareness) to get stressed with changes in our life. Stress is experienced when our body's sympathetic nervous system gives a sustained either "fight or flight" emotional events.

In ancient times, this reaction was our primary defence mechanism and served us well. For instance, when we would choose to spend our energy and attention in the forest, our sympathetic nervous system would send signals to our adrenal glands and they would enhance adrenaline secretion needed to defend ourselves — by fighting back or running away. However, when triggered in the office, we cannot fight or run away. Instead, our bodies become saturated with hormones like the adrenal hormone, cortisol. Without the associated energy-expending response, our own bodies begin using these hormones. Cortisol has been identified as a major contributor to belly fat, which can promote heart disease, diabetes and lower cholesterol levels.

The human body is designed for movement and not to sit for long hours slumped at a desk. Thinking just that has caused the modern person to experience a backache sometime in their life. This coupled with the high levels of air conditioning in offices makes the body prone to joint pain while excessive and continuous use of the computer affects the vision and eyes. Also, the fact that most of our work is mental and thought-intensive is very excessive. And without the adequate physical release, stress piles up.

What can we do to get rid of stress? Here is where the ancient science of yoga can help. Developing a regular yoga practice



for at least three times a week can not only counter the effects of stress, but also reverse the cycle for the day already done. Yoga is a great stretch and strength on the muscles, causing the secretion of beneficial hormones and also allowing the entire body to be replenished with a fresh supply of blood. Through breathing practices called pranayama, we draw in higher levels of oxygen (to lower energy and oxygen). This helps purify the subtle channels and nervous system; it expands the lungs' capacity, and increases great strength and energy. By invoking the parasympathetic nervous system, we create a better ground for better rest, a stronger heart and a much calmer mind.

But for some stressed individuals, when the time for yoga is over, our mind is, in fact, less at ease and space for a night at your desk. For your yoga routine to be effective, you should be able to incorporate the practice in your daily life, especially at your office. While it may seem a challenge at first, you will have to make a habit of getting up from your workstation every 30 minutes and stretching yourself.

Give your body a break
Here are some yoga exercises to help you get started:

• **Sitting at your desk:** Stretch your feet, neck and shoulders.

• **Sitting, spinal twist:** With your right hand hold your chair's left corner or the left side of your seat. Then your left shoulder and neck should be behind and place your left hand on your chair's backrest. Now you're looking over your left shoulder. Hold this posture for a few seconds. Then repeat on the other side.

• **Arhika chandrasana:** Stand straight with your feet shoulder-width apart. Place your right hand up and your right toe to the left. Stretch each side comfortably and hold for a few seconds. Switch sides on the other side.

• **Hamstring stretch & padmasana:** Stand straight with feet shoulder-width apart. Place your palms on your desk and take your feet back till your back is flat and parallel to the floor. Hold for a few seconds allowing your back to stretch. Now take your palms off the table and stretch them towards the floor, allowing your hamstring to stretch. Hold for a few seconds. Once you come up, do the reverse — a backward bend. Place your palms on your hip and stretch your torso backwards.

• **Eye exercises:** Most of our energy is drained through our eyes. Keep them closed for 30 seconds every once in a while. Practice blinking — make 20 rapid blinking movements of the eyes to increase them. Rub your palms together and take the warmth to your eyes, opening.

• **Neck exercises:** Most of our energy is drained through our eyes. Keep them closed for 30 seconds every once in a while. Practice blinking — make 20 rapid blinking movements of the eyes to increase them. Rub your palms together and take the warmth to your eyes, opening.

• **Shoulder exercises:** People often start their day with a head full but gradually become tired and lose direction. Take the time to gather yourself. This is easily done by doing your neck and shoulder deep abdominal breaths — your stomach expands as you breathe in and returns to the normal position when you exhale. You may initially feel that this is quite subtle and hard as you exhale while counting down from five to one. The slower and deeper you breathe, the calmer you will feel.

So, what are you waiting for? Wake your eyes, relax your mind and take some deep breaths. Your body needs it.

(The author is Manish Pole, a fitness and health expert. Contact: 98450 12345)



SOMETHING IN THE AIR

A new study shows that air pollution can cause damage to the kidneys, apart from causing respiratory and cardiovascular diseases.

VITAL SIGNS

Future fathers need to quit smoking

Ever you know that a woman who smokes and plans to become pregnant should stop smoking. A new study suggests that a future father should quit, too.

British researchers analysed the sperm of 20 smokers and 20 non-smokers and found that the smokers' sperm had damaged DNA that could reduce the chance of fertilisation and might also cause health problems in the baby. The DNA or smokers' sperm was fragmented, probably because of oxidative stress from the nicotine and carbon in cigarette smoke. Sperm DNA fragmentation has been shown in other studies to be associated with an increased risk of genetic problems in the offspring as well as with an increased risk of childhood cancer. Mitochondria, the energy centres of cells, were also less active in the sperm of smokers.

The study in *PLoS One* (a journal) also found that smokers had a larger percentage of non-viable sperm, the part of the head of the sperm that releases enzymes that allow the sperm to penetrate the egg's shell. And the researchers discovered alterations in the positions of several genes that code for important functions.

"We have often seen these findings in smokers," said the senior author, Ricardo Pereira Ferreira of the São Paulo Federal University. The message, he said, is straightforward: Smoking gives a man's capacity to produce sperm that can successfully fertilise an egg.

Michal Mishra
NVT



A bit of everything

INTEGRATIVE To deal with diabetes through both conventional and alternative medicinal therapies, **Dr Rama Mishra** recommends integrative medicine

There has been an alarming rise in the incidence of diabetes and other lifestyle disorders in India during the last decade, thanks to dietary lifestyle changes and stress. Among the various treatment options, integrative medicine has emerged as a viable choice.

Integrative medicine combines modern and alternative systems of medicine, with a focus on wellness and health rather than mere treatment of symptoms. The treatment modalities are designed after proper diagnosis to mitigate, control or reverse a problem before it becomes chronic and avoid complications.

The fundamental principle of integrative medicine is that it merges the strength of all-system medicine and reduces the ill-effects of excessive medication. This approach considers both the patient and practitioner as equal partners in the healing process.

Appropriate use of both conventional and alternative methods facilitates the body's natural healing processes. For diabetes control, practitioners use a mix of integrative medicine, including diet, exercise and alternative therapies like acupuncture, yoga, and meditation.

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TRUE OR FALSE?



Eat whole grains, live longer?

Two large-scale studies have reached the same conclusion: Eating whole grains is associated with significant reductions in the risk for premature death.

One report, in *BMJ*, found that whole grain consumption was associated with a reduction in the risk for heart disease, coronary heart disease, respiratory disease, infectious disease and diabetes. Using data from 43 studies, researchers calculated that, compared with eating white rice, eating 90 grams of whole grains a day reduced the risk for all-cause mortality by 17%.

The other study, in *Circulation*, used data from 14 prospective studies with 786,075 participants and found that compared with those who ate the least whole grain foods, those who ate the most had a 16 percent reduction risk for all-cause mortality and an 18 percent reduction risk for cardiovascular mortality.

A slice of 200% whole grain bread contains about 35 grams of whole grains, and current dietary guidelines recommend 48 grams or more of whole grains daily. The senior author of the *Circulation* study, Dr Qi Sun, an assistant professor of nutrition at Harvard University, says, "You shouldn't hope that you will cure disease with whole grain foods."

Michal Mishra
NVT

Saying no to sugar

ON A HIGH Apart from causing tooth decay, weight gain and elevated cholesterol levels, bingeing on saccharine can also foster a variety of diseases in children at an early age, warns **Wanitha Ashok**

Among the many lifestyle disorders the rise today, child obesity is definitely a disconcerting one. While several factors contribute to children's weight problems, excessive sugar intake is a major one. Let's take a deeper look at this, especially for parents, who are inclined to overfeed their children. A common misconception is that baby fat is good. A little child is considered "well" and "well-maintained," whereas a plump kid is viewed as precocious and healthy.

Moreover, children are curious about weight concerns. It is they who see their food strictly going by their taste buds. There are many reasons why they do not have more weight gain. Let's take a deeper look at this, especially for parents, who are inclined to overfeed their children. A common misconception is that baby fat is good. A little child is considered "well" and "well-maintained," whereas a plump kid is viewed as precocious and healthy.

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From determining where in the body they go.

Supporting the findings, an article published in the *American Journal of Clinical Nutrition* states that one of the damaging effects of a diet high in sugar and other refined carbohydrates is that it puts you at risk for developing type 2 diabetes. If you already have diabetes, whether it is type 1, type 2 or gestational, too much sugar in your diet can prevent you from keeping your blood-sugar levels within healthy range.

Sugar calories are more because they tend to weight gain, abdominal obesity, decreased HDL, and increased LDL, elevated blood sugar, elevated triglycerides, and high blood pressure. This increases your risk of heart disease. What's more, sugar can overload and damage your liver.

Also, all types of sugar can cause tooth decay.

Moreover, if you have the habit of eating sugar at every meal, it means that your immune system will be functioning at half-capacity for most of the day. According to a classic study cited in *Scientific American* in 2009, eating too much sugar can seriously compromise your immune system's ability to fight viruses, bacteria, and parasites.

If you cannot avoid sugar completely,

try to limit its intake and find healthier alternatives. Think to scientific advancements, we have introduced sweeteners to the market today, which allow you to eat calorie content to help you manage your weight issues. And they are not just for diabetics who struggle with sweet goods. Regular use of these substitutes is also recommended for better oral health. As they have no sugar, there is no risk of tooth decay, yet you have enhanced flavor. It is a win-win situation.

Don't do this, you should enjoy your sugary drinks, biscuits and cakes with healthier snack options. For instance, always keep naturally sweet fruits such as dates, bananas, grapes and dates or raisins. Not only will they satisfy your cravings, but you will also gain rich fibre, vitamins and minerals.

Enlist regular intervals of two-three hours also helps in restricting sweet cravings. Avoid processed foods, instead consume more whole foods. Increase your consumption of healthy fats, such as omega-3, saturated, and mono-saturated fats. Add more fibrous foods such as oat, lentils and whole grains to your diet. The good bacteria in these foods support digestion and provide detoxification support, which helps lessen the burden on your liver.

Making healthy choices is easier than you think. But you need to do it before you start it.

(The author is a fitness expert from Bangalore)