

patients.

RF

# More than 8 hours sleep too much of a good thing



Although the dangers of too little sleep are widely known, new research suggests that people who sleep too much may also suffer the consequences.

Specifically, investigators and whether they experiat the University of California in San Diego found that people who clock up 9 or 10 hours each weeknight appear to have more trouble falling and staying asleep, as well as a host of other sleep problems, than people who sleep 8 hours a night. People who slept only 7 hours each night also said they had more trouble falling asleep and feeling refreshed after a night's sleep than 8-hour

sleepers. These findings demonstrate that people who want to get a good night's rest may not need to set aside more than 8 hours a night, study author Dr. Daniel Kripke told. He added that "It might be a good idea" for people who sleep more than 8 or 8.5 hours each night to consider reducing the amount of time they spend in bed, but cautioned that more research is needed to confirm this. Previous studies have

shown the potential dangers of chronic shortages of sleep, for instance, one report demonstrated that people who habitually sleep less than 7 hours each night have a higher risk of dying within a fixed period than people who

sleep more. For the current report, Kripke and lead author

Michael Grandner reviewed the responses of 1004 adults to sleep questionnaires, in which participants indicated how much they slept during the week - excluding naps -

enced any sleep problems. Sleep problems included waking in the middle of the night, arising early in the morning and being unable to fall back to sleep, and having fatigue interfere with day-todav functioning.

Kripke and Grandner found that people who slept between 9 and 10 hours each night were more likely to report experiencing each sleep problem than people who slept 8 hours. Kripke expressed that long

sleepers may struggle to get rest at night simply because they spend too much time in bed. As evidence, he added that one way to help insomnia is to spend less time in bed. "It stands to reason that if a person spends too long a time in bed, then they'll spend a awake." he said.

gested that there may be a link between long sleeping and depression, noting that people who are depressed often temporarily feel better after skipping a night of sleep. "It might be that depression is causing the long sleep, it might be that the long sleep is causing the depression,"

Source: Psychosomatic Medicine

higher percentage of time Alternatively, Kripke sug-

Kripke said.

## Thyroid gland as a clue of breast cancer

## **Rheumatic fever can damage** heart if remain untreated classes. There was slightly higher longer than 3 days, or if you have you. Do not stop taking the medi-

#### **DR MD HABIBE MILLAT**

Rheumatic Fever (RF) / Rheumatic Heart Disease (RHD) is a major public health problem. RF/RHD is the most common cardiovascular disease in children and young adults. It is both a biological and a social problem.

#### What is Rheumatic Heart Disease?

RHD is a condition in which permanent damage to heart valves are caused by RF. The heart valve is damaged by a disease process that generally begins with a sore throat caused by bacteria called streptococcus, and if untreated may eventually cause RF.

### Why is Rheumatic Fever a concern?

Rheumatic Fever (RF) can damage body tissue by causing them to swell. More than half of the time, RF leads to scarring of the heart valves. This scarring can narrow the heart valve and make it harder for the valve to open or to close completely. In turn, heart has to work harder to pump blood to the rest of the body. This valve

damage can lead to a condition call RHD, which, in time, can lead to congestive heart failure. RF can continue to cause new probwas found to be 4 per 1000 chillems for as many as 40 or 50 dren. RF is a systemic illness. years after initial infection. However no history of sore throat can be obtained in about 30-50 What causes RHD? per cent cases of rheumatic fever

Rheumatic Fever (RF) causes Rheumatic heart disease. RF is not an infection itself, but rather the result of untreated or inadequately treated infection caused by streptococcus. When the body senses the infection, it sends antibodies to fight it. Sometimes,

### these antibodies attack the tissues of joints or heart instead. When antibody attacks heart valves, it damages heart valves.

#### Who is at risk for RF? It is most common among children aged 5 to 15, but adults may

ment, weight loss, fever, shorthave this condition as well. ness of breath, fatigue or feeling Immuno-compromised people very tired. Joint inflammation are also more likely to have RF. includes swelling, tenderness, According to a study in Banglaand redness over multiple joints. desh, peak age period of the The joints affected are usually the incidence of the disease was larger joints in the knees and found in the age group of 11-12 ankles. The inflammation moves vears (34 percent) and majority from one joint to another over (83.5 percent) of the cases several days. The symptoms of belonged to the middle and poor

other conditions or medical probincidence in male. In Bangladesh lems. Always consult a paediatrithe prevalence of the disease cian for advice.

#### When to seek medical advice?

If a child (even adult) suffers from a sore throat along with a fever that lasts for more than 24 hours. or a severe sore throat without Signs and symptoms of cold symptoms and without much fever. It is especially if he/she has The symptoms of RF usually start been close to someone with sore about one to six weeks after throat, consult a physician. Although most of the time sore streptococcal bacterial infection. The following are most common throat does not lead to rheumatic symptoms. However, the sympfever, you can usually prevent RF toms may vary person to person. by using antibiotics to treat sore throat. Also see your doctor if you The symptoms are joint inflammation, small nodules under the have recently had a sore throat skin, red rash on the chest, back and high fever and you are experiencing difficulty breathing or or stomach, stomach pain or loss of appetite, uncontrolled movechest pain.

### Prevention

RF may be prevented by treating sore throat infections, or by identifying strep. infection and treating them quickly with appropriate antibiotics and not let it progress to reference.

#### Treatment

RF must be treated right away. If you have a sore throat that lasts rheumatic fever may resemble

a fever and headache along with your sore throat, you should see your doctor. If you do not have a sore throat but have a fever and a skin rash, this could also mean a strep. infection, and you should see the doctor. RF fever can result from an untreated strep. infection, so it is very important to treat the infection before it leads to a worse condition.

### Lifestyle changes

If RF has led to rheumatic heart disease or damage to your heart valves, your doctor may recommend that you take antibiotic medicines continuously for many years. In any case, you should always tell your doctor or dentist about your history of RF before you have a surgical or dental procedure. Such procedures may cause bacteria to enter the bloodstream and infect your heart

will prescribe an antibiotic medicine. It is important that you take the medicine as the doctor tells

valves Medicines If your doctor tells you that you have strep. infection, he or she

Proper sanitation can prevent common infections

Human excreta always contain large numbers of germs, some of which may cause diarrhoea. When people become infected with diseases such as cholera, typhoid and hepatitis A, their excreta will contain large amounts of the germs which cause the disease

When people defecate in the open, flies will feed on the excreta



#### Solid waste disposal

The disposal of refuse can have a significant effect on the health of communities. Where refuse is not disposed of properly, it can lead to pollution of surface water, as rain washes refuse into rivers and streams. There may also be a significant risk of groundwater contamination. Refuse disposed of in storm drains may cause

however, that an agency monitors the sanitation facilities in public places on behalf of the users. Ideally, this should be part of the role of the ministry of health, or its equivalent. Special attention should be paid to the adequacy of facilities, their availability to the public, and the conditions of their operation.

There are several basic rules for sanitation in public places  $\lambda$  There should be sufficient toilet facilities for the maximum number of people using the area during the day. This normally means one toilet compartment for every 25 users. The toilet facilities should be arranged in separate blocks for men and women. The men's toilet block

was the mitral stenosis (13 percent) and mitral incompetence (9 percent). Aortic valve is also involved in minority of cases. Dr Md Habibe Millat, MBBS, FRCS(Edin) is Senior Specialist Registrar of Department of Cardiothoracic Surgery, Cork University Hospital Ireland.

#### recommend surgery to repair or replace the damaged heart valve. Amongst RHD in Bangladesh, mitral stenosis (Stenotic valve) and mitral incompetence (Leaky valve) comprised the highest (35 percent) incidence and next to it

and can carry small amounts o the excreta away on their bodies and feet. When they touch food. the excreta and the aerms in the excreta are passed onto the food. which may later be eaten by another person. Some germs can grow on food and in a few hours their numbers can increase verv quickly. Where there are germs there is always a risk of disease.

During the rainy season, excreta may be washed away by rain-water and can run into wells and streams. The germs in the excreta will then be camed into the water which may be used for drinking.

Many common diseases that can give diarrhoea can spread from one person to another when people defecate in the open air. Disposing of excreta safely. isolating excreta from flies and other insects, and preventing faecal contamination of water supplies would greatly reduce the spread of diseases

In many cultures it is believed that children's faeces are harmless and do not cause disease. This is not true. A child's faeces contain as many germs as an adult's, and it is very important to

New drug

Eskayef Bangladesh Ltd. has launched a new

Bangladesh, says a press release.

drug, Ostocal D in the market for the first time in

Ostocal D is the combination of calcium with

vitamin D, while most of the calcium preparation

D. It is an effective drug against the calcium and

vitamin D deficient diseases like Osteoporosis,

Osteomalacia, and Rickets. Ostocal D contains

vitamin D in the body but also acts as calcium

This combination not only meets the need of

regulator by increasing calcium absorption. Twice

daily dosing of Ostocal D meets the daily calcium

and vitamin D need of the body. Each Ostocal D

tablet contains calcium carbonate BP 1250 mg

equivalent to 500 mg calcium and vitamin D as

cholecalciferol 200 I.U.

calcium and vitamin D in right quantity.

worldwide is available in combination with vitamin

cooking.

Poor sanitation is a major source of infection.

collect and dispose of children's faeces quickly and safely. The disposal of excreta alone

minerals, nutrients and its disis, however, not enough to control posal is often expensive. Where the spread of cholera and other effluent is used for irrigation, diarrhoea1 diseases. Personal good quality water can be reserved exclusively for drinking hygiene is very important, particularly washing hands after defewater. Wastewater can also be cation and before eating and used as a fertiliser, thus minimising the need for chemical fertilisers. This reduces costs, energy,

#### Wastewater disposal and reuse

Wherever crops are grown, they monly used in aquaculture, or fish always need nutrients and water. farming.

blockages and encourage fly and mosquito breeding. It is therefore very important that household waste is disposed of properly.

It is, however, important that industrial waste is disposed of safely, as it is sometimes toxic and highly dangerous to human health.

### Sanitation in public places

Where a large number of people are using one area, such as a bus station or school, especially when they are eating food from the same source, there is a greater risk of the spread of diseases such as cholera, hepatitis A, typhoid and other diarrhoea1 diseases.

These places vary in the number of people using them, the amount of time that people spend there and the type of activity that occurs in the area, but all public places need to have adequate sanitation and hygiene facilities. Responsibility for the provision expenditure and industrial polluof sanitation facilities in public tion. Wastewater is also complaces is not always obvious, especially where these are informal gathering places. It is vital,

Dual strategy for fibroids gives good results

Intramural fibroid

should have urinals and toilet compartments ; the women's block, toilet compartments only. The total number of urinals plus compartments in the men's block should equal the total number of compartments in the women's block

 $\boldsymbol{\lambda}$  Toilet facilities should not be connected directly to kitchens. This is in order to reduce the number of flies entering the kitchen and to reduce odours reaching the kitchen. It is important that people using the toilet facilities cannot pass directly through the kitchen.  $\lambda$  There must be a hand-washing

basin with clean water and soap close to the toilet facilities. There should be separate, similar facilities near to kitchens or where food is handled.  $\lambda$  There must be a clean and

properly and not allowed to build up, as it will attract flies and vermin.

reliable water supply for hand-

washing, personal hygiene and

flushing of toilet facilities. The

water supply should meet quality

standards and be regularly tested

to ensure that any contamination

is discovered quickly and that

appropriate remedial action is

 $\lambda$  Refuse must be disposed of

taken.

cine just because you start to feel

better. Many people find that they

feel better after a couple of days

of therapy, so they stop taking

their medicine. Even if your sore

throat does not come back, with-

out the antibiotics in your blood-

stream, the streptococcal bacte-

ria can still multiply and affect

In some patients, doctor may

your heart and other organs.

Surgical procedures

Responsibilities for cleaning sanitation facilities should be verv clearly defined. Dirty facilities make it more likely that people will continue to use the facilities badly or not at all. Clean facilities set a good example to users.

It is important to make sure that information about health is available in public places. Such information should be displayed in an eye-catching, simple and accurate wav.

Health and hygiene messages may be passed on to the public using such posters in public places. These messages should include the promotion of :

λ Handwashing  $\lambda$  Use of refuse bins Care of toilet facilities

 $\lambda$  Protection of water supplies Local school children and

college students can be involved in preparing educational posters and notices for public places.

Source: http://www.who.int

A thyroid problem could help doctors understand how to beat breast cancer



Scientists at the University of Texas have discovered that women with underactive thyroid glands have a lower risk of breast cancer than others.

Thyroid hormones and the female sex hormone oestrogen share similar pathways in the body, say the researchers in the journal Cancer.

The breast cancer drug tamoxifen works by blocking oestrogen. Blocking thyroid hormones may be another way, they say

#### Thyroid gland

The thyroid gland sits in the neck and produces hormones to regulate the body's metabolism. If it becomes overactive, called hyperthyroidism, or underactive, called hypothyroidism, the person

will feel ill. A person who is hyperthyroid can experience weight loss, a rapid heartbeat, excessive sweating and anxiety. Conversely, someone who is hypothyroid might gain weight, become constipated and develop a swollen

face and puffy eyes. There has been conflicting views about the effect of thyroid hormones on the breast

Some studies have linked

team compared the medical records from 1,136 women with breast cancer and 1,088 healthy women attending their breast screening clinic in Texas Hormones

high levels of thyroid hor-

mones with breast cancer

while others have reported a

Dr Massimo Cristofanilli's

protective effect

They found women with hypothyroidism had a 61 per cent lower risk of developing invasive breast cancer.

#### When they did develop breast cancer, it was typically diagnosed at an earlier stage and when the tumour was

smaller in size. Women in the breast cancer group were also 57 per

cent less likely to have hypothyroidism than the healthy women.

Dr Cristofanilli said: "It may be possible to design a treatment that specifically and narrowly targets thyroid hormone receptors, which might provide enough influence on the target cells to help prevent breast cancer -

perhaps even serving as a complement to tamoxifen."

Source: http://news.bbc.co.uk

For women with troublesome fibroids, the combination of two approaches results in better improvement than does surgery

alone, according to a report from Taiwan. Surgical removal of the uterine growths -- a procedure known as myomectomy -- is commonly used when a woman does

Recently, it has been shown that tying off the uterine arteries supplying blood to the womb restricts the growth of fibroids, Dr.

Wei-Min Liu from Taipei

Wastewater is often used in

agriculture as it contains water,

not want a hysterectomy

(removal of uterus) because

she wishes to preserve her fertility, the authors explain, but blood loss from the operation remains a significant concern.

Medical University and colleagues noted. The team combined the

two procedures -- ligation of the uterine arteries and myomectomy -- and compared the outcome of this new procedure with myomectomy only for the treatment of fibroids in 342 women. Overall, symptoms resolved after surgery for

more women treated with the dual procedure (98.7 percent) than those treated with myomectomy alone (81.5 percent) Among women who had

suffered very heavy menstrual bleeding, all those who were treated with only 84 percent of women the combined procedure treated with myomectomy



experienced symptom alone. resolution within 2 months Fibroids recurred in 19.4 after surgery, compared with

percent women who underwent only myomectomy, but there

were no recurrences in the combined treatment group. Pregnancy and live birth rates after surgery were similar in the two groups.

'Combined uterine depletion procedure and myomectomy for the treatment of symptomatic fibroids is a less invasive procedure that preserves the uterus and can preserve future reproductive capacity," the authors

However, they added, larger studies are necessary

Source: Fertility and Sterility

conclude.

to be sure that this approach does not affect fertility or compromise fetal growth in the womb.