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susceptible to a particular stress fracture known as spondylolysis that often affects athletes, according to study which may lead to new ways of preventing and managing back pain.

In the study, published in the journal Evolution, Medicine, and

advanced 3D shape analysis The evolutionary history of techniques to compare the final humans may explain why vertebrae of humans with and same bones in our closest living the result of increased stress relatives -- the great apes.

from the University of Sydney in on two legs," said Kimberly differences. Australia, said that the differences Plomp, study co-author from between human vertebrae with spondylolysis, and that of great apes in Canada. were greater than those between

"Because spondylolysis only Plomp said. occurs in humans and does not affect our great ape cousins, it Simon Fraser University (SFU)

Public Health, scientists used healthy human and ape backbones. attempts to test this hypothesis,"

According to the researchers, people who developed spondymore wedge-shaped, where the placed on our spine by our front is taller than the back, in The researchers, including those unique ability to walk upright addition to other subtle shape

> They said these differences spines. are consistent with the verte-

leaving the individual prone to vertebrae with an ancestral rect bearing on current societal developing spondylolysis.

with intervertebral disc her- ated bipedal adaptations," said some people are more without spondylolysis, to the has long been assumed to be lolysis have vertebrae that are nias have vertebrae that are Mark Collard, study co-author more similar in shape to those of modern chimpanzees, and those of our fossil ancestors, brae lie within this distribution than are humans with healthy has a bearing on their spinal

> brae having "overshot" the op- shape variation in humans as a searchers said the evolutionary "However, there have been few timum for walking on two legs, spectrum with one end having history of humans can have a di-

shape and the other end hav-The scientists said humans ing vertebrae with exaggerfrom SFU.

"Where an individual's verte-

health." Collard said. "We can picture vertebral Based on the findings, the re-

issues such as the prevention and management of back pain.

"For decades, scholars have assumed that the reason humans are so commonly afflicted with back problems is because we walk on two legs," Plomp said.

"Our studies are the first to show a clear link between the shape of your vertebrae, bipedalism, and the health of your

Don't Let A Healthy Diet Control Your Life

Allison C. Kelly / Khaleej Times

any of us feel dissatisfied with our bodies, espe-Lcially when we see thin, attractive people.

Indeed, a quick scroll through celebrity posts on Instagram can make fad diets seem like the path to happiness. A little willpower for a little while, and maybe we too will feel beautiful. After all, cutting sugar and reducing carbs essentially guarantees that the fat will fall off us, right?

cited about potential results and forms next week. the self-discipline you'll show in the process. "I don't need bread; lettuce buns are just as good!" "Who needs chocolate when you've got gum?" "Pasta is overrated; zucchini noodles here I come!" Within a week, you've lost some weight, and your clothes are fitting a bit looser. It didn't even feel that hard to cut ings for foods that you know out those foods.

You keep going and the following week is also a success. You're even enjoying the new obsession of carefully selecting and preparing your food, eating far more consciously crafted lunches than your colleagues. You can't you've been looking thinner and asks for your secret. A few more pounds fly off and your confidence is soaring.

As time passes, you're starting need to be so rigid with your eating. Perhaps you can be 'bad' from usually so 'good'. You loosen your rules. No carbs at lunch, but dinner is okav. Eat all I want before 7 pm, but nothing after that. Dessert once a week should be fine.

This works for a bit, but soon situations arise where even your relaxed rules feel too strict. So, dismay, your clothes start to feel the scale starts to creep upward. comes to feel natural and freeing. You start to question how you could have let this happen. Guilt although intuitive eaters don't settle. This is ultimate freedom.



Throughout all of this, somefeels as though food has complete control over your life. You're thinking about it all the time, constantly evaluating your these are having on your weight. You're experiencing strong cravyou'll feel guilty eating. Is this just more evidence that you need to keep dieting? Is there some-

thing wrong with you? No; this is actually a natural consequence of dietary restraint. When we are engaged in dietary restraint, we are trying to watch help but feel a sense of pride what we eat and have a mental when your friend comments that sense of the types and quantities of food we would like to be avoiding, whether or not we're being successful. There's a lot of research showing that restrained eaters are much more likely to to wonder whether you really obsess about food and to develop overeating habits than intuitive eaters, who eat what they feel time to time given that you're like according to how hungry and full they feel

you to try and let go of restrained eating and work toward eating more intuitively - based on physical hunger and cravings rather than mental rules. But this might feel scary, especially in today's you cave and break your seem- diet culture. The initial phases of ingly solid plan. Much to your reducing dietary restraint require deliberate practice and planning. a bit tighter and the number on But with time, intuitive eating

It can also help to know that

they tend to eat nutritiously and have lower body-mass indices thing else starts to happen: It than restrained eaters, in part because dieting often causes weight gain over time. However, beware of approaching intuitive eating with the goal of weight control as dietary choices and the impact this will keep you in a restrained mindset without realising it.

If you want to experiment with switching from restrained to intuitive eating, here are some initial steps you can take.

1. If you currently try to limit your intake of certain foods or food groups, start planning to allow yourself to eat those foods. If you limit carbs, pack a sandwich for lunch instead of salad.

If you do this, it will be important that you don't remove carbs from other parts of your day as doing so will just refuel the restrained mindset.

2. Identify your other rules around eating and make a deliberate plan to break them. For example, if you have a rule not to eat during a certain time of day, start having a planned snack every day in that time frame but be This knowledge might inspire sure you don't 'pull back' at other times of day to compensate. Otherwise, you will still be a victim to the restrained mindset.

> 3. Set out to eat three meals and three snacks a day. This helps to convince your mind that you're not actually trying to restrict eating, and the sense of restraint can fade away.

> 4. Notice what happens as you start to deliberately eat in this more flexible way. Does it feel more allowing it to settle where it wants to

First Baby Can Spark Jealousy In Anxious Parents

Agencies

₹xpectant parents, please **◄** take note. You must ad- dress relationship anxiety before the first baby is born as researchers have revealed that a new child can spark feelings of jealousy in a person who already fears being abandoned by his or her partner.

The study, published in the Journal of Social and Personal Relationships, found that partners who showed signs of relationship anxiety before the birth of their first child were more likely to be jealous of the child after it was born.

"You might think, who could be jealous of a baby? But if you already have fears of rejection, it may be scary to see how much attention your partner showers on your new child," said study lead author Anna Olsavsky from Ohio State University in the US.

The researchers also found that when either partner was jealous of the baby, couples experienced a decline in their satisfaction with their relationship after becoming parents.



For the findings, the research team used data from the New Parents Project, a long-term study co-led by Schoppe-Sullivan that is investigating how dual-earner couples adjust to becoming parents for the first time. In all, 182 couples, most of whom were married, participated in this study.

pregnancy, mothers and fathers completed a variety of questionined "attachment anxiety."

According to the research, they were asked how much they agreed with statements like "I'm afraid that I will lose my partner's love" and "I worry about being abandoned."

Three months after their baby was born, the couples completed a measure of jealousy of the partner-infant relationship. During the third trimester of They reported how much they agreed with statements like "I resent it when my spouse/part-

our baby than s/he is with me."

As they predicted, the researchers found that people with relationship anxiety before the child's birth were more jealous of the child three months after arrival.

But it wasn't just the anxious partner who felt jealous of the baby - even their spouses felt higher levels of jealousy, they added.

The reason may be that spouses of anxious partners are used to receiving a lot of attention from their partner, and that responsiveness may lessen when the baby arrives, the study said.

"It is not just that you aren't receiving all the attention that you used to receive, but also that the child is receiving that extra devotion that once was given to you," Schoppe-Sullivan said.

The researchers went into the study believing that anxious fathers may be most vulnerable to feeling jealousy of the new child because dads tend to spend less time with infants than moms do.

But that's not what they found. According to the study, anxious moms and dads were equally likely to be jealous of naires, including one that exam- ner is more affectionate with the time their partners spent

Promote Serious Gum Infections

Agencies

weet soft drinks and lots of sugar increase the risk largely forgotten again. of both dental cavities and inflammation of the gums -known as periodontal diseases, say researchers.

"Sugar hasn't traditionally been associated with the development of periodontal diseas-Nyvad from Aarhus University in Denmark.

According to the researchers, back in the 1970s, two Ameridiet, which was high in carbohydrates, could be a common risk factor for both dental diseases the researchers have arrived at biochemical processes that take

and inflammatory diseases such as diabetes, obesity and heart disease, but this knowledge was

The current study, published in the Journal of Oral Microbiology, suggests that a sugary diet can also promote peri-

odontal diseases. "Today, there is general agreement that the abovees," said study lead author Bente mentioned diseases are associated with a high sugar intake. However, a hypothesis that could link and explain the two major dental diseases, caries a common hypothesis for the place in the bacterial deposits can researchers suggested that a and periodontitis, has been

lacking," Nyvad said. In the new research project,



dental diseases

development of the two major on teeth when you add copious amounts of nutrients to the bac-The hypothesis is based on the teria, particularly when you eat