

HGH FIBREDIES Can Lead To Bloating

"IT'S POSSIBLE THAT IN THIS STUDY,

Life&Times

the protein-rich version of the diet caused more bloating because it caused more of a healthy shift in the composition of the microbiome,"

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ets are more likely to expecompared to carbohydrate-rich, ac- Mueller from Johns Hopkins Univercording to a new study.

For the study, published in the journal Clinical and Translational was mostly from vegetable sources Gastroenterology, the research- such as beans, legumes, and nuts," ers from Johns Hopkins University Mueller added. analysed data from a clinical trial of high fibre diets.

"It's possible that in this study, the protein-rich version of the diet eople who eat high fibre di- caused more bloating because it caused more of a healthy shift in the rience bloating if their high composition of the microbiome," fibre diet is protein-rich as said study co-senior author Noel sity in the US.

"Notably, the protein in these diets amined a dietary clinical trial that

populations of healthful fibre-digesting gut bacteria species, which pro-

duce gas as a byproduct. for "macronutrients" such as carbs and proteins in modifying the gut bacteria population--the microbiome. In the study, the researchers ex-

was conducted in 2003 and 2005 in Boston. Known as the Optimal Macronu-

164 participants who had abovenormal blood pressure.

They were assigned to three dif-The findings thus also hint at a role ferent diets over consecutive sixweek periods separated by twowhich participants returned to regular eating habits.

The diets were all considered high-fibre, low-sodium "DASH" diets, and had the same number of calories, but varied in High-fibre diets are believed to trient Intake Trial to Prevent Heart their macronutrient emphases: cause bloating by boosting certain Disease (OmniHeart), it included a carbohydrate-rich version was, pressure and improving measures fibre diets did indeed appear to such diets more tolerable.

by calories, 58 per cent carbohy- of blood cholesterol. drate, 15 per cent protein, and 27 per cent fat; a plant-protein-rich they examined how participants' version was 48 per cent carbs, 25 reports of bloating--which were per cent protein, 27 per cent fat; among the secondary data collected week "washout" intervals during and a fat-rich version was 48 per in that trial--varied as participants cent carbohydrate, 15 per cent ate the three OmniHeart diets. protein, and 37 per cent fat.

The primary results of the Om- prevalence of bloating went from niHeart trial, published in 2005, 18 per cent before the diets to 24, tuting high quality carb calories, suggested that the plant-protein- 33, and 30 per cent, respectively, such as whole grain, for protein rich and fat-rich diets were the on the carb-, protein-, and fat-rich calories might reduce bloating for most effective in reducing blood diets--indicating that these high those on high fibre diets, making

In their new analysis of this data,

A key finding was that the

increase bloating.

The researchers also analysed the relative changes among the diets, and linked the proteinrich diet to a significantly greater chance of bloating--roughly 40 percent greater--in comparison with the carb-rich diet.

The results suggest that substi-

Weight Loss Surgery May Improve Breathing Issues

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esearchers have revealed that Bariatric surgery and weight loss appear to reverse some of the negative effects of obesity on the respiratory system. Known effects of obesity on the respiratory system include increased respiratory work, along with com



obstruction in the small airways of the lung.

When the researchers compared results at baseline and six months after Bariatric surgery, they found that surgery and weight loss were associated with morphological, or structural, changes to the lung and

trachea. Post-surgery CT showed reduc The Importance of Building Lower Body Strength

Except for a few handfuls of the gym, a major portion of the gymgoers dislikes the leg day so much so that the leg days m



promised airway resistance and respiratory muscle strength, which may all contribute to restrictive pulmonary function impairment.

As an imaging technology that provides detailed pictures of the potential to improve understanding of obesity's impact on the respiratory system.

Until now, however, there have been few CT studies evaluating obesity's effects on the lungs and the trachea, often referred to as the windpipe.

has demonstrated changes in the surgery, a treatment for obese paairways that improve when indi- other weight loss approaches.

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the UK capital in the past decade.

tional students at London's uni-

versities in 2018-19 was 125,035,

up 5.8 per cent from 2017-18 and

UK capital's growing appeal for

years earlier. Indian student num-

prospective students.

the global stage.

lungs and airways, CT has great viduals lose weight. These features correlate with an improvement in patient symptoms," said study lead author Susan J. Copley from Hammersmith Hospital in London. For the study, published in the

journal Radiology, the research team evaluated changes in the respiratory systems of 51 obese in-"For the first time, this study dividuals who underwent Bariatric

CT morphology of large and small tients who haven't responded to function.

Jk Is Most Popular Study Destination Overseas

The procedure reduces the size of the stomach. All participants lost

kg/m2. sure the size and shape of the trachea and assessed air trapping, a phenomenon in which excess air remains in the lungs after exhal-

ing, resulting in a reduction in lung

tions in air trapping and a lower incidence of tracheal collapse. Change in the extent of CT air

trapping was the strongest predictor of improvement in dyspnea, or shortness of breath, the study said.

The results suggest that there weight post-surgery with a mean may be a reversible element of body mass index decrease of 10.5 small airway inflammation related to obesity and that reversal of this The researchers used CT to mea- inflammation correlates with improvement in symptoms. The findings also point to CT as a potential marker of this inflammation.

"CT is a useful morphological marker to demonstrate subtle changes which are not easily assessed by

Air trapping is an indirect sign of lung function alone," Copley said.

on Saturdays and is therefore often conveniently skipped. These people could easily be pinpointed in the gym as they are the ones who are invisible from the waist down. Well to be fair all of us face the thought of whether we want to work out our lower body or just find some excuse to skip it. Now while the ramifications of skipping leg day may at the moment seem to you as innocuous as ignoring your well-wishers' advice to get a foot massager on rent for your comfort, however, the consequences may be much more serious. So we will share with you some reasons why you should never skip leg day and always keep your lower

body strength on priority: **Increased lower body strength** equates more muscle

Those deadlifts painful and as boring as they may seem directly lead to bigger muscles all over your body. The reason for this is that big muscles are directly proportional to your T levels. Testosterone is primarily a steroid hormone that your body naturally produces and is very important for the health of men and is responsible for increments in muscle mass and strength. The exercises like squats and deadlifts involve the larger muscle groups

one levels. Hence the lower body your general body power, you need strength directly translates to your to have good strength in you. Little ability to build larger muscles in the is known to all that we derive a entire body

More calories could be burnt

instance even when you are doing The hind muscles technically referred to as the gluteus maximus is bench presses or barbell curls, your size-wise the biggest muscles of the lower body strength is extremely body. Therefore it is very intuitive to crucial as the lower body needs imagine that to work out these musto be engaged to facilitate a stable cles you need to burn more energy platform for you to pump from. which translates to your body burning Hence now that we have estabmore calories. Hence a good workout lished the importance of lower body session involving compound exercises strength we sure do hope you work

like squats or deadlifts would burn towards building it. The process of building lower body strength can more energy if compared to a workstart from a simple step as getting out session wherein no lower body yourself a treadmill for rent and

major portion of our body strength

from our legs and our core. So for

then building your strength and stamina bit by bit before moving on

workouts are involved. Extremely helpful for big lifts

For any kind of heavy lifting inleading to an increase in testoster- volving any muscle group and for to the heavy-duty exercises.

Sugary Diet Can Promote

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• weet soft drinks and lots of sugar increase the risk 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 diseases," said study lead author Bente Nyvad from Aarhus University in Denmark.

According to the researchers, back in the 1970s, two American research-

ers suggested that a diet, which was sugar intake. However, a hypothehigh in carbohydrates, could be a sis that could link and explain the common risk factor for both dental two major dental diseases, caries diseases and inflammatory diseases and periodontitis, has been lacksuch as diabetes, obesity and heart ing," Nyvad said. disease, but this knowledge was largely forgotten again.

in the Journal of Oral Microbiology, suggests that a sugary diet can also promote periodontal diseases.

"Today, there is general agreement that the above-mentioned amounts of nutrients to the bactediseases are associated with a high ria, particularly when you eat sugar.

In the new research project, the researchers have arrived at a common The current study, published hypothesis for the development of the two major dental diseases.

The hypothesis is based on the biochemical processes that take place in the bacterial deposits on teeth when you add copious

verseas students are increasingly selecting London as their study destination of choice; this is especially true for Indian students, with 2018-19 representing a record year for international students in According to new data from the Higher Education Statistics Agency (HESA), the total number of international students grew 5.8 per cent, representing uplift in overseas students for the sixth consecutive year,

reinforcing London's reputation as a top higher education destination on bers grew by 34.7 per cent in 2018-19, seeing the largest numbers The total number of internasince 2011-12

However, China remains London's largest international student market, with 25.650 students rise on last year's growth rate of enrolled at universities in the UK 5.3 per cent, demonstrating the capital.

Applications may have been encouraged by the recent reintroduc-It marks an impressive period of tion of the two-year post-study visa growth for India, which returned for international students by the UK to being London's third-largest government, allowing overseas gradinternational student market after uates a longer period of time to look falling to the fourth position three for employment after their studies. In September, four London univer-

sities were listed in the top 40 in the Times Higher Education (THE) rankings, more than any other city in the world. Universities included were Imperial College (10), University College London (15), London School of Economics and Political Science (27) and King's College London (36).

Best student city London holds the crown as the

world's best city for students, according to the QS Best Student Cities Ranking, by global education con-

sultancy QS Quacquarelli Symonds. London beat international cities Tokyo (second) and Melbourne (third) Study London.

to first place for the second consecutive year in July 2019.

"I'm delighted to see so many young people from across the world choosing London to pursue their higher education. In doing so, they're becoming part of a global community that has produced some of the world's most exciting and innovative companies. With its world-leading universities, thriving business ecosystem and unrivalled cultural landscape, studying in London offer the opportunity to be part of a city at the forefront of creativity and innovation", said Rajesh Agrawal, Deputy Mayor of London for Business.

"These new figures are a resounding endorsement of our world-leading universities and our great city. Whether it's fashion or financial economics, accountancy or art history, prospective international students know when they choose London; they are choosing a first-class education and a cultural experience like no other.

We look forward to welcoming more international students to the capital this year!" said Lalage Clay, Director of Education and Talent at London & Partners which runs