

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)

Weekly Current Awareness Service

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"To build up a library is to create a life. It's never just a random collection of books."

— Carlos María Domínguez

About Monday Morning

Monday morning is a weekly E- CAS (Electronic Current Awareness Service) of RMRC Library, Bhubaneswar which carries one Biomedical & health science news item and some useful current medical research links so that the scientists can access the articles. This E- Bulletin starts its journey from 21st Nov. 2016. In this maiden attempt we cordially invite your inputs and suggestions to improve in future.

Dr. Banamber Sahoo, Lib & Inf. Officer
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Cranberries may help cut urinary tract infections

FRUITY SOLUTION

LONDON: Doctors can prescribe cranberry products as the first line of defence against repeated urinary tract infections (UTIs), a study has found. The findings showed that, overall, the use of cranberry products led to a statistically significant risk reduction in repeat UTIs, which affect the urinary system, including kidneys, bladder, and urethra.

"Our investigation supports that cranberry products can be a powerful tool to fight off frequent UTIs," said Angelo Luis of Universidade da Beira Interior. Moreover, the results of subgroup analysis demonstrated that patients at some risk for UTIs were more susceptible to the effects of cranberry ingestion, the researchers said. The medicinal properties of cranberries may be attributed to their unique polyphenol — proanthocyanidins, or PACs for short.

Their ability to keep infection-causing bacteria from sticking to the urinary tract walls may be the major reason for their effectiveness in limiting infection growth and recurrence, the researchers explained. For the study, the team conducted meta-analysis of 28 studies on nearly 5,000 patients.

<http://epaper.newindianexpress.com/c/22358090>

1. Synthetic molecule 'kicks and kills' some persistent HIV in mice

Scientists have designed a synthetic molecule that can reactivate dormant human immunodeficiency virus (HIV) in mice and lead to the death of some of the infected cells, according to a study published in PLOS Pathogens. The new findings address a long-standing challenge in HIV treatment: While antiretroviral therapy can successfully stave off disease progression, the virus can silently persist in some cells for many years, so an infected person must be vigilantly treated for the rest of their life. For more details click on the below link

https://www.eurekalert.org/pub_releases/2017-09/p-sm091317.php

2. Green algae could hold clues for engineering faster-growing crops

The compound in the coralberry leaves relieves these spasms and is supposedly more effective and has a more prolonged action than the most common asthma drug salbutamol. So far it has been tested on asthmatic mice who were prevented from allergens like house dust. For more details click on the below link

https://www.eurekalert.org/pub_releases/2017-09/pu-gac091417.php

3. The world is running out of antibiotics, WHO report confirms

A report, *Antibacterial agents in clinical development – an analysis of the antibacterial clinical development pipeline, including tuberculosis*, launched today by WHO shows a serious lack of new antibiotics under development to combat the growing threat of antimicrobial resistance. For more details click on the below link

<http://www.who.int/mediacentre/news/releases/2017/running-out-antibiotics/en/>

4. You don't need a brain to sleep. Just ask jellyfish

We think of sleep as restoring our brains: a time to process memories, cleanse our cells of toxins, and prepare for a new day. But even animals that lack brains need to snooze. Biologists have discovered that, like people, jellyfish hit the hay and have the same trouble we do waking up. For more details click on the below link

<http://www.sciencemag.org/news/2017/09/you-don-t-need-brain-sleep-just-ask-jellyfish>



E- CAS (Current Awareness Service)

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