

Monday Morning

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)
Weekly Current Awareness Service

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"You are not Learning If You are Comfortable "
-Debbie Beets

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
Poonam Singh Deo & Hemanti Mahali (Lib. Trainee)

Caffeine to help diagnose Parkinson's

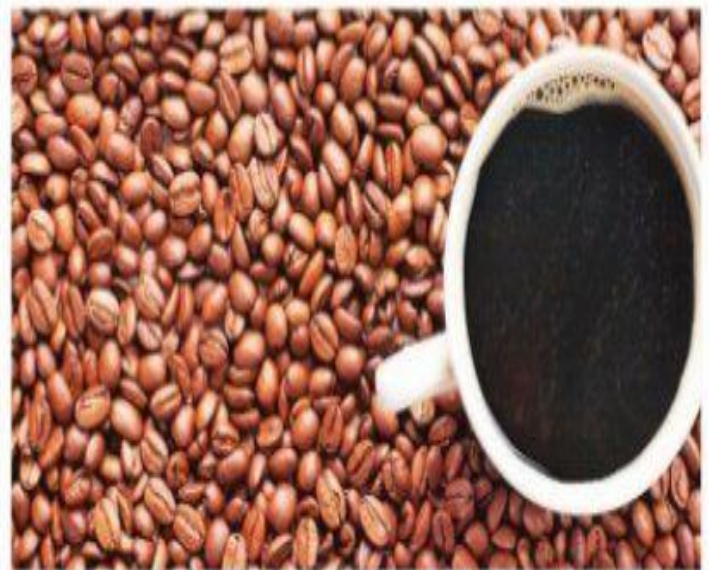
DRINK MORE

TOKYO: How your body metabolises coffee can help diagnose Parkinson's disease, according to a study which found that people with the neurodegenerative disorder have significantly lower levels of caffeine in their blood.

"Previous studies have shown a link between caffeine and a lower risk of developing Parkinson's, but we haven't known much

about how caffeine metabolises within the people with the disease," said Shinji Saiki from Jun-tendo University.

The study involved 108 people who had Parkinson's for six years and 31 people of the same age who did not have the disease. Their blood was tested for caffeine the body makes as it metabolises caffeine. They were also tested for mutations in genes that can affect caffeine metabolism.



<http://epaper.newindianexpress.com/c/25126073>

1. Tuberculosis drugs work better with vitamin C

Studies in mice and in tissue cultures suggest that giving vitamin C with tuberculosis drugs could reduce the unusually long time it takes these drugs to eradicate this pathogen. The research is published in *Antimicrobial Agents and Chemotherapy*, a journal of the American Society for Microbiology. In the study, the investigators treated *Mycobacterium tuberculosis*-infected mice with anti-tuberculosis drugs or vitamin C alone, or the drugs and vitamin C together. For more details click on the below link

https://www.eurekalert.org/pub_releases/2018-01/asfm-tdw122017.php

2. WHO prequalifies breakthrough vaccine for typhoid

At the end of December 2017, WHO prequalified the first conjugate vaccine for typhoid, Bharat Biotech's Typbar-TCV®. Typhoid conjugate vaccines (TCVs) are innovative products that have longer-lasting immunity than older vaccines, require fewer doses, and can be given to young children through routine childhood immunization programs. The fact that the vaccine has been prequalified by WHO means that it meets acceptable standards of quality, safety and efficacy. For more details click on the below link

<http://www.who.int/medicines/news/2017/WHOprequalifies-breakthrough-typhoid-vaccine/en/>

3. Could Gene Therapy Someday Eliminate HIV?

Gene therapy may have the potential to eradicate HIV in people infected with the virus, new animal research suggests. The science centers around the use of "chimeric antigen receptor" (CAR) genes. In laboratory work with monkeys, these engineered cells have destroyed HIV-infected cells for more than two years, scientists reported. For more details click on the below link

https://medlineplus.gov/news/fullstory_170735.html

4. Spider web-inspired implant could change insulin delivery

Researchers have created a method for implanting hundreds of thousands of insulin-producing pancreatic cell clusters into diabetes patients to help manage the disease. A thin hydrogel coating protects the cell clusters, which researchers attach to a polymer thread that can be removed or replaced when the cells have outlived their usefulness. For more details click on the below link

<http://www.futurity.org/diabetes-implant-spider-webs-1645342/>



E- CAS (Current Awareness Service)

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