

Monday Morning

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)

Weekly Current Awareness Service

VOL 3#5

29th JANUARY

2018

*"Learning is an active process. We learn by doing....
Only knowledge that is used sticks in your mind"*

- Dale Carnegie

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)

New drug to treat malaria

INOCULATION

A new medication for malaria can safely and effectively cure the deadly disease, say scientists who have successfully completed a clinical trial for the drug combination. For the study, researchers tested the efficacy, tolerability and safety of a combination of the drugs Fosmidomycin and Piperaquine. The two-fold medication was administered to patients aged one to thirty who were infected with malaria via the Plasmodium falciparum pathogen. In the 83 evaluable cases, there was a 100 per cent cure rate, according to the study published in *Clinical Infectious Diseases*.



<http://epaper.newindianexpress.com/c/25663628>

1. A new ecosystem approach to fight antibiotic resistance

An international consortium managed by the University of Geneva and AstraZeneca issues final report on its research-based suggestions for driving antibiotic development while ensuring access and sustainable use. The World Health Organization (WHO) has deemed antibiotic resistance to be one of the three greatest threats to human health today, as bacteria become increasingly resistant and too few treatments are being developed to combat them. For more details click on the below link

https://www.eurekalert.org/pub_releases/2018-01/udg-ane011918.php

2. What Is 'Ice' Psychosis?

There is growing concern about crystal methamphetamine (ice) use in Australia and internationally, in part because of the psychological effects of the drug. Although most people who use ice do not experience psychological problems, about one in three people who use it regularly report experiencing psychosis in their lifetime. For more details click on the below link

<https://www.livescience.com/61497-what-is-ice-psychosis.html>

3. Vaccine adjuvants: Softness makes it better

An effective adjuvant for the induction of humoral and cellular immunity is achieved by a Pickering emulsion formulation that allows pliability and mobility of loaded antigens. Vaccines, especially those using purified proteins and sugars as antigens, often contain adjuvants. Adjuvants are materials added to vaccine formulations to increase the induction of protective immunity^{1,2} using a variety of mechanisms, including the creation of a localized inflammatory response that activates the immune system or enhances antigen delivery to cells of the immune system. For more details click on the below link

<https://www.nature.com/articles/nmat5072>

4. Nanoparticle vaccine offers universal protection against influenza A viruses, study find

Researchers have developed a universal vaccine to combat influenza A viruses that produces long-lasting immunity in mice and protects them against the limitations of seasonal flu vaccines, according to a study led by Georgia State University. For more details click on the below link

https://www.eurekalert.org/pub_releases/2018-01/gsu-nvo012218.php



E- CAS (Current Awareness Service)

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