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INDIAN COUNCIL OF  
MEDICAL RESEARCH  
REGIONAL MEDICAL RESEARCH  
CENTRE, BHUBANESWAR

**Monday Morning**

# ICMR-Regional Medical Research Centre, Bhubaneswar Library & Information Division

**(Laxmi Narayan Memorial Library)**

## **Weekly Current Awareness Service**

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*“Every human being is the author of his own health or disease.”  
- Buddha*

### **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 21<sup>st</sup> Nov. 2016. In this maiden attempt we cordially invite your inputs and suggestions to improve in future.

Dr. Banamber Sahoo, Lib & Inf. Officer  
Adyasa Bhoi & Suryajit Samal (Lib. Trainee)

***Mounting clues suggest the coronavirus might trigger diabetes .***



**Evidence from tissue studies and some people with COVID-19 shows that the virus damages insulin-producing cells.**

<https://www.nature.com/articles/d41586-020-01891-8>

## 1. **Research shows COVID-19 is an independent risk factor for acute ischemic stroke.**

COVID-19 infection is significantly associated with strokes, and patients with COVID-19 should undergo more aggressive monitoring for stroke. After adjusting for age, gender, and risk factors, COVID-19 infection had a significant independent association with acute ischemic stroke compared to control subjects. For more details, click on the below link.

[https://www.eurekalert.org/pub\\_releases/2020-06/tmsh-rsc062520.php](https://www.eurekalert.org/pub_releases/2020-06/tmsh-rsc062520.php)

## 2. **CRISPR gene editing in human embryos wreaks chromosomal mayhem .**

A suite of experiments that use the gene-editing tool CRISPR–Cas9 to modify human embryos have revealed how the process can make large, unwanted changes to the genome at or near the target site. The studies were published this month on the preprint server bioRxiv, and have not yet been peer-reviewed. For more details, click on the below link.

<https://www.nature.com/articles/d41586-020-01906-4>

## 3. **COVID-19 Antibodies Can Disappear After 2-3 Months.**

People who develop antibodies after becoming infected with the corona virus may not keep them more than a few months, especially if they showed no symptoms to begin with, a Chinese study shows. Previous studies had found that most people who became infected developed antibodies. For more details, click on the below link.

<https://www.webmd.com/lung/news/20200622/covid-19-antibodies-can-disappear-after-2-3-months>

## 4. **A mathematical model reveals the influence of population heterogeneity on herd immunity to SARS-CoV-2.**

Despite various levels of preventive measures, in 2020 many countries have suffered severely from the coronavirus 2019 (COVID-19) pandemic caused by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) virus. We show that population heterogeneity can significantly impact disease-induced immunity as the proportion infected in groups with the highest contact rates is greater than in groups with low contact rates. For more details, click on the below link.

<https://science.sciencemag.org/content/early/2020/06/22/science.abc6810>

## 5. **New study looks at post-COVID-19 emerging disease in children.**

In recent weeks, a multisystem hyperinflammatory condition has emerged in children in association with prior exposure or infection to SARS-CoV-2. A new case series published in the journal Radiology examines the spectrum of imaging findings in children with the post-COVID-19 inflammatory condition known in the U.S. as Multisystem Inflammatory Syndrome in Children (MIS-C). For more details, click on the below link.

[https://www.eurekalert.org/pub\\_releases/2020-06/rson-ns1062520.php](https://www.eurekalert.org/pub_releases/2020-06/rson-ns1062520.php)

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## **E- CAS (Current Awareness Service)**



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