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In this issue

Research Article

Open Access Research Article PTZAID:APM-5-121

Characteristics of the Covid-19 Pandemic in the United States, 2020

Published On: September 25, 2020 | Pages: 058 - 063

Author(s): Richard Sauerheber*

Time dependent changes in the number of cases of Covid-19, as well as deaths from the disease, are examined and compared to other population parameters including the magnitude of employment across the country. Associations are found that help to explain the tortuous course that the virus infection was able to cause in the U.S. ...

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Open Access Research Article PTZAID:APM-5-120

COVID-19: Notes on its Etiology, Pathogenesis and Mediation

Published On: September 25, 2020 | Pages: 045 - 057

Author(s): Richard D Sauerheber* and Kalvin McCallum

The susceptibility of the SARS novel CoV-2 virus to environmental temperature has become recently known and suggests that freshly boiled steam or heated air at an appropriate temperature may be a useful prophylactic and mitigant in the treatment of COVID-19 infection. A laser thermometer was used to measure the temperature of a steam column as a function of height abo ...

Abstract View Full Article View DOI: 10.17352/apm.000020

Open Access Research Article PTZAID:APM-5-115

Prevention of COVID-19 in children and neonates: A review

Published On: June 24, 2020 | Pages: 026 - 030

Author(s): Kourosh Rajabkhah, Moslem Taheri Soodejani, Marzieh Mahmudimanesh, Leili Abedi Gheshlaghi and Seyyed Mohammad Tabatabaei*

Background: The novel coronavirus, called COVID-19, first originated in China and spread to many other countries. Due to the weakness of their immune system, especially in lower ages (infants) and also to prevent and control infection in this age group, special measures should be considered to prevent their infection with SARS-COV-2. The aim of this study is to invest ...

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Open Access Research Article PTZAID:APM-5-112

Comparative analysis of Hemagglutinin of 2013 H3N2 Influenza A virus Indicates its Evolution from 1968 H3N2 Pandemic Influenza A virus

Published On: February 28, 2020 | Pages: 001 - 015

Author(s): Swatantra Kumar, Vimal K Maurya, Sneham Tiwari, Amit K Banerjee, Neelima Arora, Sai V Chitti, Debadatta Nayak, Anil Khurana, Raj K Manchanda, Srinivasulu Gadugu and Shailendra K Saxena*

Emergence of influenza A H3N2 is alarming. Strain 2013 H3N2 has H1 subtype Haemagglutinin (HA) gene segment replaced with a H3 HA gene segment. The vulnerability of the humans to H3 may be directly proportional to the HA alterations. Therefore, we studied this strain and analyzed its sequence and structural divergence and compared it with 2009 H3N1, 2009 H1N1 and its ...

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Short Communication

Open Access Short Communication PTZAID:APM-5-125

Suicide rates declined in China: The social, cultural and economic factors

Published On: December 31, 2020 | Pages: 072 - 074

Author(s): Jie Zhang*

The suicide rates in the world have been growing in the past century [1] and the rates in the United States have rapidly increased by about 33%, from 10.5 per 100,000 population in 1999 to 14.0 in 2017 [2], regardless of prevention efforts with affluent funding [3]. On the other hand, the overall suicide rate in China has decreased from 23.0/100,000 in 1999 to 8.6/100 ...

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Open Access Short Communication PTZAID:APM-5-124

The pandemic of 2019 novel coronavirus infection and Hajj 2021

Published On: December 30, 2020 | Pages: 070 - 071

Author(s): Behroz Mahdavi Poor, Jalil Rashedi*, Nazila Gheitarani and Mohammad Asgharzadeh

In December 2019, an outbreak of severe pneumonia of anonymous etiology was reported from Wuhan city, China. The Chinese health authorities rapidly determined the causative agent of the disease as a novel coronavirus (2019-nCoV) [1]. Coronavirus Disease 2019 (COVID-19) quickly widespread and becomes a major public health concern throughout the world. Growing evidences ...

Abstract View Full Article View DOI: 10.17352/apm.000024

Open Access Short Communication PTZAID:APM-5-122

The SARS-CoV-2 epidemic, a school case for public health

Published On: October 05, 2020 | Pages: 064 - 066

Author(s): Philippe Chossegros*

The covid-19 epidemic has evolved differently depending on the responses to it. This heterogeneity and changes in recommendations have blurred the messages facilitating the emergence of fake news and conspiracy theories. ...

Abstract View Full Article View DOI: 10.17352/apm.000022

Open Access Short Communication PTZAID:APM-5-118

Pre-symptomatic and asymptomatic COVID-19 cases in Nigeria amidst prevailing socio-cultural beliefs and practices: Implication for COVID-19 transmission and way forward

Published On: August 25, 2020 | Pages: 039 - 042

Author(s): Elvis Efe Isere*, Adewale Moses Adejugbagbe, Victoria Oladoyin, Samuel Abiona and Eniye Nosa Omorogbe

Nigeria is the most populous country in Africa with diverse range of cultural and religious beliefs and practices vis-à-vis health seeking behaviour. The country is currently one of the nations in the African region that is most affected by the COVID-19 pandemic. With the active outbreak of COVID-19 in the country, this paper discussed how key socio-cultural beliefs a ...

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Open Access Short Communication PTZAID:APM-5-117

Monoclonal antibodies for rabies post-exposure prophylaxis: A paradigm shift in passive immunization

Published On: August 08, 2020 | Pages: 035 - 038

Author(s): Gyanendra Gongal* and Gadey Sampath

An estimated 59000 people die of rabies every year in the world. Passive immunization forms an important component of rabies Post-Exposure Prophylaxis (PEP), in Category III exposures,and sometimes in Category II exposures. Presently Rabies Immunoglobulins (RIGs) of human and equine origin are being used in most partsof the world, for passive immunization. However, ov ...

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Open Access Short Communication PTZAID:APM-5-113

The British ‘U-turn’ - yetis Herd Immunity still the solution to COVID 19?

Published On: June 10, 2020 | Pages: 016 - 017

Author(s): Peter Bradshaw*

Herd immunity defines the level of protection from infectious diseases within a given population. It occurs naturally from exposure to a particular pathogen or, from vaccination against it. Against our understandings of this fundamental concept,

the British Medical Journal reports on work published last month suggesting over half the UK population might already have b ...

Abstract View | Full Article View | DOI: 10.17352/apm.000013

Editorial

Open Access Editorial PTZAID:APM-5-119

Radon risk in carcinogenesis what prevention

Published On: September 05, 2020 | Pages: 043 - 044

Author(s): Mauro Mazzotta*

In environments, exposure to 222radon is to be considered chronic and the effects are based on cellular, subcellular and molecular radiotoxicological mechanisms [1]; We start from the alpha particles and their decay products, but the action continues through the access into the pulmonary tract with aerosols and environmental polluting particles (size 0.0005-100 m in ...

Abstract View | Full Article View | DOI: 10.17352/apm.000019

Commentary

Open Access Commentary PTZAID:APM-5-123

Brazil's New Era of Epidemics

Published On: November 26, 2020 | Pages: 067 - 069

Author(s): Ian Read*

As 2020 nears an end, the Covid-19 pandemic has been deadlier in Brazil than in most other countries. The toll will likely cost 200,000 Brazilian lives before vaccines and other measures can turn the tide. The pandemic reveals a nation in the grip of a new era of epidemics. With anxious eyes we look ahead, but we should also look back. ...

Abstract View | Full Article View | DOI: 10.17352/apm.000023

Mini Review

Open Access Mini Review PTZAID:APM-5-116

Analysis of current and future technologies of capsule endoscopy: A mini review

Published On: July 17, 2020 | Pages: 031 - 034

Author(s): Alexander P Brown and Ahalapitiya H Jayatissa*

Many existing methods of endoscopy can be very uncomfortable and potentially even painful for a patient. Using a conventional endoscope is also limited in its usable range, unable to access a majority of the small bowel. Recent advancements in LEDs, optical design, and MEMS (microelectromechanical systems) technologies have provided the ability to create a wireless en ...

Abstract View Full Article View DOI: 10.17352/apm.000016