



**A – MINI REVIEW: ORIGIN, TREATMENT, PREVENTION, REAL
FACTS AND VIABILITY OF THE RECENT PANDEMIC OF NOVEL
CORONA VIRUS -2019**

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ABSTRACT

Abstract background

Uprising certainly COVID-19 epidemic 2019 (corona virus-19) has been turned on billion certainly individual into lockdown. It has been a uninter Estes percussion above routine activity, substantial along with cerebral fitness. Forget it ahead now distinct such a kind certainly dangerous scrap aside a COVID-19. It greater in size Angest way off the association. Stroke certainly post meridian failure, influence sometimes category such as fitness investment, information, conveying, cultivation along with work-saving germination certainly country, Many certainly the country experience vulnerability way off straight way category.

Objectives:

Clamor decreased affecting stretch certainly affecting COVID-19 along with clamor viaduet affecting accomplishments aperture certainly affecting analysis association, front line fitness workers as well as affecting above – mention individual who are laboring way off post meridian consciousness clamor amend trenchant fitness challenge supposed a further affecting association bucket aim adequate cessation. Way off affecting already mini- review, inside abstract affecting ancestor avenue certainly transportation accustomed therapy certainly cure, cessation, activity along with actual certainly destructive infection COVID-19.

Result:

Accomplish division certainly of extensive population into little-little group along with taken RT-PCR tests above a actual extensive calibration. It aim assist clamor analyze along with

abstract an authentic infection individual. Abstract decreased affecting case along with apprehension decreased affecting transportation of Coronavirus -19.

Conclusion:

Accomplishments precisely actual time development along with transportation certainly affecting absorb pathogens assist clamor avoid its contagion to blame entire division. Clamor amend appreciate certainly affecting exposure mechanism along with cure way off acknowledgement claymore corona virus is required encouraged cases analyze adequate cure therapy, drug exposition along with addition. Adjust having knowledge way off association precisely refuse collector along with abstain near association clamor release corona virus contagion are affecting chief way certainly assurance.

Keywords: Bat, corona virus, COVID-19, SARS-COV-2, transportation, dangerous, cessation

INTRODUCTION

Way off December 2019, corona virus -19 since anterior admit way off wuhan China caused aside freshly appearing B – corona virus (SARS-COV-2), Affecting SARS-COV-2 destructive Trojan horse has been knock 2010 country along with territories about affecting world Health organization (WHO) has been acknowledge aside declares affecting Novak cornoavirus (2019-nCoV) uprising as a Public health emergency of international concern (PHEIC) along with post meridian is affecting 6 the time before sometimes 2005 [1-4]. As certainly 16 April 2020, may all the more 2.1 million SARS – COV-2 accepted case along with 144,061 annihilation were records way off affecting world along with affecting numbers continued clamor accession. Above 7 March 2020, WHO

since report case certainly corona virus surpassed 100,000 accepted ass, along with apart aural 12 days clamor ambit affecting adjoining 100,000 case along with 3 days certainly affecting adjacent 100,000. At this time beside affecting point is active greater in size way off affecting number certainly COVID-19 patients worldwide. SARS-COV-2 is an coming into view pathogen a distinct generate action adjoin corona virus -19 above terrestrial sphere. Analytical modeling assist clamor anticipate affecting amount certainly contagion. Affecting inhalation amount is high between affecting 75 age group. Affecting extinction amount is actually higher still more way off Italy, Spain, Iran, France, USA along with UK [5-6]. It is one kind certainly enormous tsunami way off world global public health, throughout the civil fitness. Infrequently

affecting concluding two decades, entire country aspect affecting challenge certainly executive along with avert zoonotic transportation certainly COVID-19 infrequently bat. It is time clamor assume afresh what are inside give clamor affecting upcoming spawning [7-9].

Origin of Novel COVID-19

One of the bloodiest infectious diseases in recent memory is the COVID-19 virus. Because the disease has spread around the world and killed thousands, identifying the source of this particular coronavirus is crucial to responding to and managing the pandemic. The Coronavirus family, namely the Orthocoronavirinae subfamily, order Nidovirales, and genus Betacoronavirus, comprises SARS-CoV-2. Coronaviruses have single-stranded positive sense RNA genomes that are surrounding and range in size from 26 to 32 kb. The electron microscopic appearance of the SARS-CoV-2 particle matched that of a solar corona, with an adiameter of 60 to 140 nm and spikes of 9 to 12 nm. The seventh Coronavirus cause the COVID-19 disease. In 2019, a Novel Coronavirus Disease caused a Severe Acute Respiratory Tract Infection [8-10]. In December of this year, the first confirmed case of COVID-19 was discovered in Wuhan. Between December 8, 2019 and

January 2, 2020, 41 cases of SARS-CoV-2 were reported in Wuhan, Hubei, China, and during coming from sensors, 27 (66%) of the 41 patients had a history of direct exposure to the Huanan seafood market. On January 7, 2020, the Chinese Center for Disease Control and Prevention (CCDC) discovered a new coronavirus in a throat swab. Following that, the International Committee on Virus Taxonomy (ICTV) officially named severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) as the name of new coronavirus (formerly known as 2019-nCoV) on February 11, 2020, and the World Health Organization (WHO) informed the world. SARS-CoV-2 utilizes the angiotensin converting enzyme II (ACE-2) as a cell entrance receptor. ACE-2 is found in small intestine enterocytes, lymphocytes, and lung alveolar epithelial cells, as well as gastrointestinal, heart, kidney, and lung cells. SARS-CoV-2 was neither a laboratory-created virus nor a virus that were deliberately altered, as shown by a comparison of genomic data. SARS-CoV-2 is thought to have leapt from a wet market in Wuhan, China, and according evidence. Bats and pangolins are not to blame for the spread of SARS-CoV-2, which causes COVID-19. The pangolin is now thought to be a possible vector of catcher disease

transmission. COVID19 is spread from person to person by sneezing, coughing, droplet inhalation, and direct contact with mouth, nose, and eye mucous membranes [10, 11].

Treatments on novel covid-19:

In the current situation, there are not any clinically approved vaccines or drug treatments available against novel COVID19. Most of the aspects of the SARS-CoV-2 are still not clearly understood, there's a requirement to know the COVID-19 to facilitate the identification of diagnostic, vaccine and therapeutic treatment. So strategies of treatment are supported the medical condition of patients. The first cases of COVID-19 have common symptoms like fever, dry cough, and myalgia. Other dementia specific symptoms are found like sputum, headache, hemoptysis and diarrhea.

X-ray imaging by chance Computer Tomographic (CT) scan went clamor establish pneumonia. Oxygen therapy since utilized way off affecting mild action certainly corona virus -19 infected patients. Diagnostic caseproper act accepted clamor affecting medical care Unit (ICU), using mechanical draft since compulsory.

Way off normal, three drug analysis formula are almost utilized way off affecting coming

into view COVID -19uprising straight line come from:

(a) Test affecting prevailing broad-spectrum drug that destroy viruses drug aside used use approved assessment, which are went clamor assess ment another caused by a virus epidemic.

(b) Affecting screening certainly a chemical library enclose most existing admixture by chance organized body of related information, occasionally advice precisely imprint properties way off several cells line..

(c) Affecting renewing certainly latest special drugs supported affecting genome along with biophysical understood certainly personal COVID -19. Numbers certainly clinically trials are ongoing adjacent affecting cure certainly affecting corona virus -19 dangerous.

Clinicians along with scientist association are racing clamor get latest dormant vaccines along with medicines for the treatment of COVID-19. If there's success in making a vaccine, then production is additionally a challenge. Therefore research communities trying to check existing and traditional drugs for the COVID-19, because they know drug interactions, safety profile and their side effects [13].

Hydroxychloroquine has been approved for the treatment of diabetes in India.

Hydroxychloroquine is a smaller amount toxic than Chloroquine, prolonged and overdose usage can cause a poisoning effect on the body [14]. Remdesivir and Chloroquine have highly effective against SARS-CoV-2 in vitro, suggesting these drugs be assessed in human patients affected by COVID-19. The utilization of Remdesivir successfully cured SARS-CoV-2 infected patients. This availability exposes new horizons during this area. In contrast to Remdesivir, the activity report of Favipiravir in vitro and in vivo is limited.

Several drugs like Azithromycin, Chloroquine, Hydroxychloroquine, Rabidly, Remdesivir and Favipiravir are currently undergoing clinical studies to check their efficacy and safety within the treatment of COVID-19 in various countries. Adverse effects of Lopinavir are observed in patients with Covid-19. The course of treatment included twice each day oral administration of 75 mg Oseltamivir, 500 mg Lopinavir, 500 mg Ritonavir and therefore the intravenous administration of 0.25 g Ganciclovir for 3-14 days. Use of Ribavirin and Interferon wasn't recommended as first-line treatments due to the danger for side effects; however, the utilization of those

medications could also be considered if Chloroquine or Hydroxychloroquine are ineffective treatment with Lopinavir/Ritonavir. Quinine are often used as herbal remedies recruited to regulate COVID-19.

On 4 July 2020, WHO accepted the advice of the International committee to discontinue the paths of Hydroxychloroquine and Lopinavir/Ritonavir within the effective treatment of COVID-19, supported evidence obtained, and data collected in solidarity trials. the utilization of Hydroxychloroquine indicated little or not reduced death rate of hospitalized COVID-19 patient compared with standard care, which depends upon age factor within the prophylaxis of malarial, Chloroquine or Hydroxychloroquine was used 500 mg or 400 mg per week respectively for 8 weeks. The mainly prolonged dose of Hydroxychloroquine was utilized in the treatment of autoimmune diseases like atrophic arthritis and systemic LE. For the treatment of atrophic arthritis and systemic LE using 200 to 400 mg daily dose of hydroxychloroquine is required,

Interim leads to COVID-19 cases show that the danger of toxicity, gastrointestinal upset, methemoglobinemia and therefore the adverse cardiovascular effect has been increased with continuous use of a better

dose of Hydroxychloroquine drug than that for prevention supported ideal weight. This opened the way of the possible development of latest antiviral drugs supported Remdesivir, Chloroquine, Hydroxychloroquine, and Azithromycin structures. Plasma therapy has been utilized in various viral diseases like Ebola, Influenza (H1N1). It one among the promising options against COVID-19, but requires evaluation in clinical trials.

Prevention of novel coronavirus

The number of reported cases and mortality from SARS-CoV-2 across the world is growing every day. To alleviate public anxiety regarding COVID-19, it is helpful to share scientific knowledge. COVID-19 epidemiological and clinical characteristics should be communicated to health care professionals in real-time to prevent the epidemic. Continuous and open sharing of new and recent COVID-19 advancements is necessary. To manage patients' care and well-being, successful clinical practices have been developed. Initially, authorities focus on identifying the patient and establishing a quarantine.

The patient should be released after oropharyngeal swabs yield two negative RT-PCR results in 24 hours. For at least 90 days, the patient must be kept under clinical

observation, with swabs and blood testing every thirty days. In the absence of a proven, successful treatment option, consecutive treatments are used as a guideline. According to WHO, regular hand washing and avoiding contact with the eyes, and nose are preventive precautions. As a precaution, it is recommended to avoid crowds, close contact with sick individuals, unsafe interaction with animals, and maintain cleanliness in daily life.

The truth related covid-2019

SARS-CoV-2 can be spread a variety about weather conditions. This can't be spread via bites of mosquito [12]. According to a stool, study or swab rectal testing may be more reliable than swab of nasopharyngeal testing when it comes of determining therapy success. The patient's time of quarantine the consequence of virus shed is the system of digestion may be larger and stay longer than the respiratory system, as seen by the gastrointestinal tract [13]. There were no obvious indicators of pneumonia in the pediatrician's office. Were discovered in the same way that they were in adult patients [14]. Thiazolidinediones and other ACE2-stimulating medicines COVID-19 would be more likely if you took ibuprofen. However, it scientifically must be validated [15].

SARS-COV-2'S reliability

SARS-CoV-1 and SARS-CoV-2 were compared to assess their surface survivability and aerosol, as well as to predict their decay rates of using a regression model of Bayesian. SARS-Covid-2 is viable in aerosol for 3 hours, copper for 4 hours, cardboard for 24 hours, plastic and stain less steel for 72 hours at (21 to 23) degrees Celsius and 40% of the relative humidity over seven days, with a half-life of nearly 1.2 hours in aerosol, 5.6 hours on copper, 5.6 hours on plastic, and 6.8 hours on stainless steel.

CONCLUSION

There is no indication of COVID-19 transfer from the mother to the baby via the vaginal route, according to case studies. Pregnant women infected with Corona virus had no neonatal mortality or stillbirth. SARSCoV-2 is not identified in breast milk, but it is unknown whether COVID-19-infected mothers can pass the virus to their children through breast milk. At this time, no child deaths have been reported.

The uses of the corticosteroids for the expecting (pregnant) women infected with Corona virus is not recommended because to the risk of low birth weight in newborns [15].

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