

**A THESIS
SUBMITTED FOR COVID 19 AND its
REMEADY.**

**SUBMITTED BY Dr SAROJ KUMAR
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RESEARCH ENGINEERS AND
DOCTORS.[IRED]**

**1- Problem arises when one patient
suffers due to unknown
symptoms of fever with high
temperature within short period
and critically ill in three days at
Wuhan hospital of China. Name
of this COVID 19**

CO-CORONA

V- VIRUS

The first and most prevalent method to detect the virus in individuals is based on detecting genetic material specific to **SARS-CoV-2 viruses in a person's nasopharyngeal secretions.**

Although tests kits have a wide variation in their procedures (swabs of oral and/or of nasal surfaces, differences in solutions to transfer the swabbed tissue to, time and place to run the subsequent test reagents, for example), they all use methods that detect a specific part of the viral genome.

Here is an example of how one test system accomplishes this:

- . Swabbed tissue is loaded into a standard reaction vial**

- **Reagents (the general term for additional chemicals needed in such tests) break open viruses to expose viral genome (RNA) to other reagents like synthesized RNA that binds to a specific small part of the viral RNA**
- **This small bound-up strand of viral genome and reagent is then replicated many times (in some tests, up to a billion times!) over minutes to hours**
- **Then, at the same time, another reagent specifically binds to each replicated genetic complex.**
 - **This reagent has a bounded marker that when enough replicated complexes are made, the machines can detect the attached marker.**
 - **For example, the marker may be designed to glow with**

fluorescence, which the machine can pick up on its sensors.

- Depending on how many viruses are present in the sample, positive results may occur (depending on the test used) in minutes to days**
- Conversely, if the test detects no viral material after a fixed time (minutes to days), the result is a negative test**
- Negative Result: If only the quality control line (C) appears and the detection lines G and M are not visible, then no novel coronavirus antibody has been detected and the result is negative.**
- Positive Result, IgM only: If both the quality control line (C) and the detection line M appears, then the**

novel coronavirus IgM antibody has been detected and the result is positive for the IgM antibody.

- Positive Result, IgG only: If both the quality control line (C) and the detection line G appears, then the novel coronavirus IgG antibody has been detected and the result is positive for the IgG antibody.**
- Positive Result, IgG and IgM: If the quality control line (C) and both detection lines G and M appear, then the novel coronavirus IgG and IgM antibodies have been detected and the result is positive for both the IgG and IgM antibodies**

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2-The significance is not traced out with new disease but medical laboratory given photos of affected cell like Dutra kata and it is contagious from another reports.

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Scientific brief

Modes of transmission of the COVID-19 virus can be controlled by following procedures as I have analysed from methodology of research after sufficient collection of data. We are now in quest of such medicine application to prevent this type of epidemic.

Hydroxychloroquine sulphate Tablet carries chemical formula $C_{18}H_{26}ClN_3O_4S$ and molecular

weight is 433.95. Molecular weight and molecular formula of

PLAQUENIL (hydroxychloroquine sulfate) tablets contain 200 mg hydroxychloroquine sulfate, equivalent to 155 mg base, and are for oral administration

FROM MEDICINE NET THE FOLLOWING PARTICULARS ARE ACCEPTED.

What is hydroxychloroquine (Plaquenil), and what is it used for?

- Hydroxychloroquine (Plaquenil) and its sister drug **chloroquine (Aralen)** are under investigation for treatment**

of the **COVID-19** coronavirus disease

- **Korean doctors used these anti-malaria drugs to treat COVID-19 with some success, according to a paper filed with Elsevier in March 2020, but effectiveness is unproven.**

Hydroxychloroquine is classified as an anti-malarial drug. It is similar to chloroquine (Aralen) and is useful in treating several forms of malaria as well as lupus erythematosus and rheumatoid arthritis. Its mechanism of action is unknown.

Malarial parasites invade human red blood cells. Hydroxychloroquine may prevent malarial parasites from breaking down (metabolizing) haemoglobin in human red blood cells. Hydroxychloroquine is effective against the malarial

parasites Plasmodium vivax, P. malariae, P. ovale, and susceptible **strains of P. falciparum. Hydroxychloroquine prevents inflammation caused by **lupus** erythematosus and **rheumatoid arthritis**. The FDA approved hydroxychloroquine in April, 1955.**

What is the dosage for hydroxychloroquine (Plaquenil)?

The usual adult dose for treating malaria is 800 mg initially, followed by 400 mg 6-8 hours later and then 400 mg at 24 hours and 48 hours.

The dose for malaria **prevention is 400 mg every week starting 1 or 2 weeks before exposure and for 4 weeks after leaving the high risk area.**

The recommended adult dose for rheumatoid arthritis is 400-600 mg daily for 4-12 weeks followed by 200-400 mg daily.

Systemic lupus What is the dosage for hydroxychloroquine (Plaquenil)?

The usual adult dose for treating malaria is 800 mg initially, followed by 400 mg 6-8 hours later and then 400 mg at 24 hours and 48 hours. The dose for malaria prevention is 400 mg every week starting 1 or 2 weeks before exposure and for 4 weeks after leaving the high risk area.

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Systemic lupus erythematosus is treated with 400 mg once or twice daily for several weeks then 200-400 mg daily. Hydroxychloroquine should

be taken with food or milk in order to reduce stomach upse

erythematosis is treated with 400 mg once or twice daily for several weeks then 200-400 mg daily.

Hydroxychloroquine should be taken with food or milk in order to reduce stomach upset

Which drugs or supplements interact with hydroxychloroquine (Plaquenil)?

- . Administration of hydroxychloroquine with penicillamine (Cuprimine, Depen) may increase penicillamine levels, increasing the risk of penicillamine side effects. The mechanism is unknown.**
- . Combining telbivudine (Tyzeka) and hydroxychloroquine may increase the risk of unexplained muscle pain, tenderness, or**

weakness because both drugs cause such side effects.

- **Hydroxychloroquine suppresses the immune system and should not be combined with drugs that also suppress the immune system or live vaccines**
- **For first mild attack of covid 19 Hydroxychloroquine used for getting good results but medicine experts are using Erythromycin for better result. Erythromycin is an antibiotic used for heavy cough and for sinus respiratory infection.**
- **Erythromycin is an antibiotic used for the treatment of a number of bacterial infections. This includes respiratory tract infections, skin infections, chlamydia infections, pelvic inflammatory disease, and syphilis.**

- **Molar mass: 733.93 g/mol**

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Respiratory infections can be transmitted through droplets of different sizes: when the droplet particles are $>5-10\ \mu\text{m}$ in diameter they are referred to as respiratory droplets, and when they are $<5\ \mu\text{m}$ in diameter, they are referred to as droplet nuclei.¹ According to current evidence, COVID-19 virus is primarily transmitted between people through respiratory droplets and contact routes.²⁻⁷ In an analysis of 75,465 COVID-19 cases in China, airborne transmission was not reported.⁸

4-Analysis of proposed research covered 19

Difference of symptoms are seen in between flue and covid 19 at a glance.

Typical flue

A –snooze nose

B-cough

C-sore throat

D-muscle arch

E-fatigue

F-vomiting

g-diarehha etc

Symptoms of corona – coved 19

A-high fever after infection

B-dry cough

C-muscle arch

**D-critical when maximum breathing
respiratory tract system with lungs
infection—this is fatal to death.**

e- Pneumonia

f Diareahha etc

Fluid of splitting or breathing very infectious nearby person [3 ft distance to be maintained]

Virus of coved 19 positive when its virus like Dhutra kata[DHUTRA TREE] type infects others respiratory system and contagious.

5-The covid 19 virus is a member of corona virus family that made the jump from animal to human suspected last year in the cave of wuhan in unknown forest where it may be that infected wounded bat somehow irritating or that touched throat.

6-we know that bat is fulfilled with viruses from the case of Nephi

disease in southern Kerala but those bats can control these viruses by rotor dynamic power by its wings.

7-we are seeing that birds are flying in this open air of those infected region but till not affected.

8—only that wuhan city is contaminated rapidly and death toll risen so quickly but it may be China warned all citizen of wuhan and most of the residents fled away.

Only it may be tourists of world who went there they tried to take flight and these flights after January hits infection of coronavirus.

9-Now it is seen except native Africa and Artentica are free from this coronavirus as they are not till close

contact with these infected people of hit zones of coronavirus.

Observation-it is very clear that wuhan city lost few thousand toll death and China was sure that they can control somehow but South Korea first admits that they touched this bad viruses and to prevent they applied Hydroxy chloroquine as an antimalarial drug.it is similar to chloroquine[AURALEN] and useful in treating several forms of malaria as lupus erythematosus and rheumatoid arthritis. Its mechanism is still unknown and no any direct specially injection or tablet used but to avoid such insect infected virus are trialled in medical lab in test tube where is got miracle result so

why we cannot utilise it at present to prevent such virus effect.

Coved 19 virus consists of jelly type where cohesion.

Outside Hubei,as per CGTN,Businesses are gradually springing back to life.over 95% enterprises above designated sizes have resumed operation said an official on Friday.

Dr Bruce Alyward team leader of the china WHO joint mission on epidemic COVID19 admitted that we are successful due to 42000 medical persons deployed hit zones with medicines and cured deadly effected people of 65000 admitted in various hospitals.source come from short

video prepared by CGTN and is based on true events and shows how China tackled such remarkable progress and it is not come through easily.

Also artificial lungs and medical equipment even ventilators with disaster management team of Doctors planned short time curable treatment of these patients [Source CGTN VIDEO].

The latest data shows that over 36000 patients are discharged from WUHAN according to 70% approx.

They had taken 14 temporary hospitals for 12000 patients.

Like china USA are applying Hydroxchloroquine over 1500 patients first but difference is that

China has arranged already artificial lungs and ventilation system with day by day health medical service orientation to coup up this type of disease.

There are two major types of test now doing USA for COVID 19, Molecular and Serology tests.

These tests are vital to identify positive or how much positive may be or negative with any other flue.

Now want to say about Malaria is caused by encephalitis serious by encephalitis mosquito bacteria. It is such dangerous to lower down red blood cell but here COVID 19 danger for respiratory infectious lungs system. It can be first time control

by tablets with hygienic medicines and fruits to enhance immune power.

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Now it is necessary to discuss about Hydroxychloroquine sulphate and plaquinil.

Hydroxychloroquine to treat COVID 19 patients after it was approved by the FDA under an Emergency use authorisation [EUA] and there are good reasons too as there are many good results are tested in test tube.

Denis Protsenko the doctor who last week gave Russian president Vladimir Putin that he is feeling good with infected patients. He said I have tested positive, Dr Protsenko, director of hospital no 40 and wrote in Facebook that we are fine.

Bloomberg acknowledged it.

Hydroxychloroquine sulphate Tablet carries chemical formula $C_{18}H_{26}ClN_3O_4$ and molecular weight is 433.95

Hydroxychloroquine should be stored at room temperature up to 30 C (86 F) in a sealed, light resistant container.

Molecular Weight: 335.9 gm/mol

of action is unknown, hydroxychloroquine may suppress immune function the processing and presentation of antigens .

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Droplet transmission occurs when a person is in in close contact (within 1 m) with someone who has respiratory symptoms (e.g., coughing or sneezing) and is therefore at risk of having his/her mucosae (mouth and nose) or conjunctiva (eyes) exposed to potentially infective respiratory droplets. Transmission may also occur through fomites in the immediate environment around the infected person.⁸ Therefore, transmission of the COVID-19 virus can occur by direct contact with infected people and indirect contact with surfaces in the immediate environment or airborne.

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Conclusions

MEDICINE-As maximum using Hydroxychloroquine and supplying oxygen in hospitals for prevention of COVID 19 with sufficient ventilators,artificial lungs and maximum nos of nebulisers with isolation system.

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- harmful for respiratory system as these Dhutra Kata type virus not burst out by any drugs except Hydroxy chloroquine but it can effect metabolizing in haemoglobin red blood cell.

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FROM PUBCHEM SOURCE-

Chemical Safety: LCSS

MOLECULAR

FORMULA

C18H26ClN3O -

MOLAR WT 335.9

GM/ML

Molecular

Formula:C18H26ClN3O

Synonyms:

oxychloroquine -

Molecular

Weight:335.9 gm/mol -

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Conclusions

MEDICINE-As maximum using Hydroxychloroquine and supplying oxygen in hospitals for prevention of COVID 19 with sufficient ventilators,artificial lungs and maximum nos of nebulisers with isolation system.

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Current WHO recommendations emphasize the importance of rational and appropriate use of all PPE,²⁰ not only masks, which requires correct and rigorous behavior from health care workers, particularly in doffing procedures and hand hygiene practices.²¹ WHO also recommends staff training on these recommendations,²² as well as the adequate procurement and availability of the necessary PPE and other supplies and facilities. Finally, WHO continues to emphasize the - including the recent publications mentioned above, WHO continues to recommend droplet and contact precautions for those people caring for COVID-19 patients.-

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D-NET MEDICINE JOURNAL

E- FORBES JOURNAL

F-THE GUARDIAN NEWS PAPER

G-CGTN NEWSPAPER AND VIDEO

**Analysis of proposed research covered
19 done with collection of data from
Facebook for the sake of society and
for research works.**

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**METHODOLOGY OF RESEARCH FOR
COVID 19 IS DONE BY**

Dr Saroj kumar khan

Fellow of THE IRED.

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