



corona and winter

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Abstract

The virus is a microorganism smaller in size than bacteria. The virus consists of a genetic material surrounded by protein(Capsid), fats or glycoprotein. These microorganisms are found almost everywhere on the face of the earth.

Our research aims to know the causes of the proliferation of the new Corona virus and limit its spread.

I noticed that viruses multiply in the winter, which led to an increase in diseases. I asked whether a decrease in temperature affects the formation and reproduction of various viruses?

- 1- Why has there not been an increase in human cases since 2012 and has now started frighteningly and led to panic?
- 2-Why did this virus get out of control at this particular time? And he came back stronger than before?
- 3 Are there other environmental factors that affect the spread of viruses, especially the mysterious corona?
- We assume that viruses multiply when the temperature drops and spread quickly due to weakened human immunity in the winter.
- -Suppose we put the virus in a place that is completely isolated from living things, does it reproduce or die?

Through my research, I found that the (2019-nCov) virus is more mysterious than the previous one, and Dr. Fahd Al-Khudairi added that the (2019-nCov) virus is not the same as what happened in 2012, but it is similar to it and is an advanced and is a different type.

To our knowledge about the importance of community awareness of this virus, we prepared a questionnaire about it.

I asked and could not find an adequate answer to these questions:

- Can the virus (nCov-2019) evolve to an uncontrollable level and not reach a cure?
- Is it a biological weapon?

- What if the virus (2019-nCov) transmitted by migratory birds?Is it possible to put it in quarantine like humans?
- What if we dealt with the virus in testing treatments that already exist, as viruses generally share the same composition and this means that flu or immunodeficiency drugs can treat a virus (2019-nCov) But they need to a modify and add to deal with it

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introduction

The virus is a microorganism smaller in size than bacteria. The virus consists of a genetic material surrounded by protein(Capsid), fats or glycoprotein.

These microorganisms are found almost everywhere on the face of the earth.

Our research aims to know the causes of the proliferation of the new Corona virus and limit its spread.

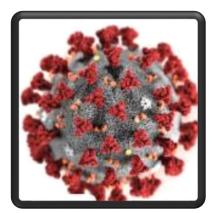


figure (1-2) virus structure

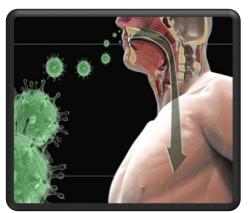


figure (1-1) how virus enteres the respiratory system?

Research Questions

I noticed that viruses reproduces in the winter, which led to an increase in diseases. I asked whether a decrease in temperature affects the formation and reproduction of various viruses?

- 1- Why has there not been an increase in human cases since 2012 and has now started frighteningly and led to panic?
- 2-Why did this virus get out of control at this particular time? And he came back stronger than before?
- 3 Are there other environmental factors that affect the spread of viruses, especially the mysterious corona?

Hypothesis

- We assume that viruses multiply when the temperature drops and spread quickly due to weakened human immunity in the winter.
- -Suppose we put the virus in a place that is completely isolated from living things, does it reproduce or die?

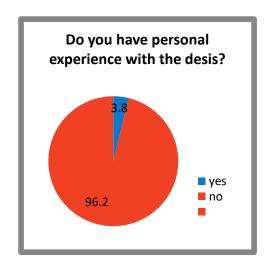
Analysis

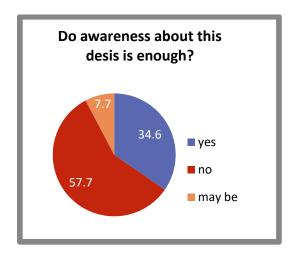
Through our research we found that new Corona is more mystery from the last one . in 2012 Corona appeared in our area , but I had no personal experience with it . and now a new generation of the virus has appeared , and this a comparison between them .

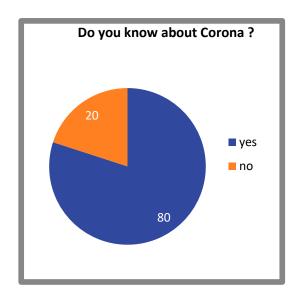
tablet 1-1

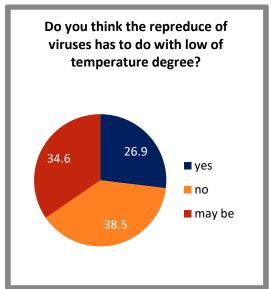
Comparison	(MERS-COV)	(2019-nCov)
Propagation zone	Saudi Arabia , Qatar	China
Source	Camels	Did not determined until now
Numbers of infected people	124	17200 until now
Numbers of deaths	52	360 and numbers is increasing
Period of time	September 2012	Start in last of December 2019 and still until now

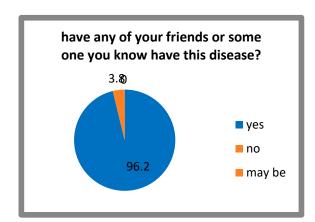
Dr. Fahd Al-Khudairi added that the (2019-nCov) virus is not the same as what happened in 2012, but it is similar to it and is an advanced and is a different type. To our knowledge about the importance of community awareness of this virus, we prepared a questionnaire about it and the results was as following:

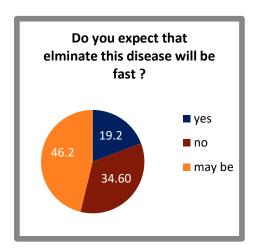


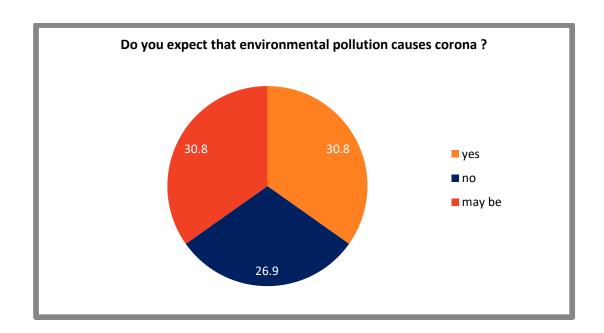












Conclusions

I asked and could not find an adequate answer to these questions:

- Can the virus (nCov-2019) evolve to an uncontrollable level and not reach a cure?
- Is it a biological weapon?
- What if the virus (2019-nCov) transmitted by migratory birds? Is it possible to put it in quarantine like humans?
- What if we dealt with the virus in testing treatments that already exist, as viruses generally share the same composition and this means that flu or immunodeficiency drugs can treat a virus (2019-nCov) But they need to a modify and add to deal with it.



figure (1-4) Flu virus



figure (1-3) immunodeficiency virus

Recommendations

To reduce the spread of virus(2019-nCov), we recommended to increase awareness of its danger and ways to prevent it .

A person must strengthen his immune system to be a defense line against viruses through good nutrition and attention to hygiene and not being in crowded places.

Thanks and appreciation

Finally, We Would Like To Thank Everyone Who Helped Us

Complete The Scientific Research. All Thanks To Professor Amina

Al-Ahmadi(globe group teacher)

And Doctor Fahd Al-KhodiriResearch scientist, We Also Not Forget To Thank The Students Of Globe Team In Other Schools For Their Good Cooperation.

Research Team,

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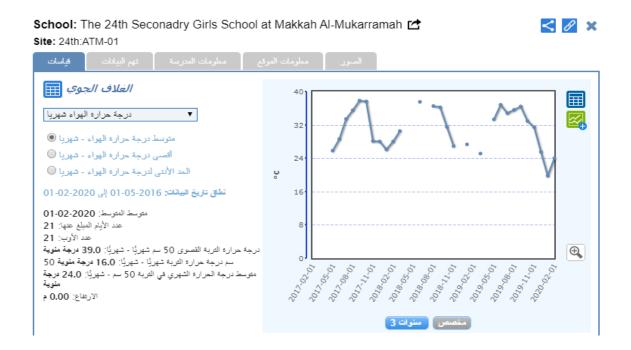
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Badges

cooperate	Impact of community	Communica tion with a specialist STEM	Communicatio n with schools	Solution
Globe Environmen tal members have collaborated in our school to collect information and complete scientific research	Community is interested with the issue of the emerging corona virus	We contacted with doctor fahd alkhodiri to answer our questions	Experiences and scientific information was exchanged for scientific research with the Globe Environmental School in our area	Add an adjustment to treat immune deficiency drugs and flu to treat the Corona virus

Accessories



Temperature table for the Globe eco December 2019