

The Strategy Comparison<All People Testing(APT) VS Vaccination>. 2020/5/20,22,23

Following are biased authors opinion,thereby you should revised as you could trust.

New Corona Virus<COBID19,SARS-CoV-2> Grossary for Strategy Making.

<https://www.cnet.com/how-to/coronavirus-glossary-every-covid-19-related-term-you-need-to-know/>

Following by author are not complete,so you should reexamine by yourself.

The characteristic	the largest gene about 30 kb RNA viruse with positive-strand single-stranded RNA gene. General Coronavirus is told unlikely to mutate by RNA synthase with proofreading function ,but New.....	
The Origin		
Symptom	Most are mild to moderate respiratory illness and recover without requiring special treatment. Those with underlying medical problems are more likely serious and various organs illness.	
Death Rate	3~10%? in infected people,	
Onset Rate	20%? in infected people,others are no or mild symptom to natural cure The low rate is invisible factor for rapid and large infection propagation.	
immune systems	body defense system comprising many biological structures and processes within an organism that protects against disease.	
Innate immune one	<u>General purpose defenders</u> against anything not own organs elements,but not invincible .Thereby,following 2 nd defender is to go *antibody test on recovered patients revealed remarkable low rate,indicating their stronger innate immune?? .Especially Asian death rate are remarkably lower than that of USA& Europe.→APPENDIX-2:.	
Adaptive immune one	Special order making defender against specific target once having fought<memory by exposure>.,It is also called antibody . Now many are doubting this especially on New corona.	?? ?? ??
Ant-Body	a large,Y-shaped protein used by the immune system to neutralize pathogens→ Adaptive immune system	?? ??
PCR test	A testing " <i>infected or not</i> "by SARS-CoV-2 coronavirus. This test works by identifying the virus' DNA through a process called PCR, or polymerase chain reaction amplifying . The sample can be obtained through a throat or nasal swab, This seems almost established technology with recent improvements	?
Ant-Body test	Detecting anti body in blood, which had been once generated by past infection.The reputation seems confused at now.	??

The Strategy Comparison

Social Confinement with APT	Herd Immunity Acquiring
Intercepting elementary something infetced among people in social activity	positively exposing to virus toward getting mass immunity with allowing the risk
Higher cost by social lock down	Lower cost by no social lock down
Lower risk by social lock down *The less?? positive must be medicared.	Higher risk by no social lock down *The more? positive must be medicared.
All people PCR test make virus negative can be liberated from lock down regime without care on risky immunity problem.	All people vaccination would liberate from lock down regime with taking risk of vaccine failure.
All people testing need mass production of PCR tester and the operators This is established technology at now Now higher accuracy and throughput tester become available as time goes on.	Actual vaccine success needs longer time This is not established technology at now
Time sharing testers make cost lower, but it always needs each operating cost?.	Actual vaccine success needs longer time while risk of (rapid ?!)virus mutation rise.

Virus the bio molecular glossary.

all parts(but not RNA)of virus	Virus is composed from RNA and other many parts. Spike proteins, RNA polymerase, RNA primase, nucleoprotein,..
RNA	This is a 1 dimensional chain of each characters{A,G,C,T}and is whole design document of each block of protein structures in virus
Each element of protein structure	the structure has each action task in many bio chemical reactions toward own proliferation(=copying).
Life cycle of virus	birth→proliferate in eating host cell→birth→,,,,,,→DEAD!
Protein synthesizing	by RNA reading, all parts (but not RNA) of virus are synthesized
RNA polymerase synthesizes RNA	the copy machine of RNA document,, which is the cause of virus mutation by random error in copying process in thermal field *rapid and large mutation causes medicare difficult
S(pike)potein=RBD	Virus surface's spikes bind with specified receptor at host cell surface.
Receptor	Bio element biding with RBD ,ACE2(enzyme)—Cobid19(virus) The bind(coupling)intensity is important factor of infection power.

*{strong mutation and strong infection}becomes worst for medicare strategy.

*General coronavirus has an enzyme with **proofreading function**, so a mutation error is removed and replicated correctly.Such function can be weakened artificially ??!.

<https://www.jmedj.co.jp/journal/paper/detail.php?id=14278>

APPENDIX-1:Virus Mutation<a cause of medicare difficulty>.

Followings are expert oriented thesis,so not easy for general.Author himself could scarcely read only those summary,but not whole of those .

2.RNA Virus and the Mutation

http://jsv.umin.jp/journal/v55-2pdf/virus55-2_221-230.pdf

*Caution : This is not Newcoronavirus topics,but anothers.

*RNA viruses that proliferate in nature constantly change their genomic information by **mutation**.Changes in genomic information often lead to changes in virus immune susceptibility, drug suscep(t)ibility, cell tropism, and host range, leading to reduced preventive and therapeutic effects and emerging re-emerging infectious diseases.*

.....

*The low fidelity of HIV **reverse transcriptase**(the **copy machine**) may be due to its lack of **proofreading function** and its markedly poor substrate selectivity.*

Genotyping coronavirus SARS-CoV-2: methods and implications

<https://arxiv.org/pdf/2003.10965.pdf>

*The genotyping analysis shows that the genes encoding the Spike proteins and RNA polymerase, RNA primase, and nucleoprotein, **undergo frequent mutations**. **These mutations are critical for vaccine development in disease control.***

Proofreading-Deficient Coronaviruses **Adapt for Increased Fitness over Long-Term Passage without Reversion of Exoribonuclease-Inactivating Mutations**

<https://mbio.asm.org/content/8/6/e01503-17>

This is not new Coronaviurs,but old one **without proofreading function** toward increasing mutation stepping.This theme is horrific to reveal possibility of making evil virus.*Adopting **increased fitness** means becoming more stronger to survive as virus.*

Exoribonuclease

In order to correct replication(mutation)error,RNA **cutting off** are necessary., which this enzyme **do**.

APPENDIX-2:

In case of Southeast Asia ,whether Coronavirus will end in summer ?

<https://diamond.jp/articles/-/237763?page=2>

Asian death rate are remarkably lower than that of USA& Europe.Japan, Thailand, Philipin, Indonesia, Vietnam, Malaysia,

After all, this author admit difficulty of the verification on the cause higher temperature and humidity..

APPENDIX-3: Easy saliva sampling does not need laborious sampling in PCR Test.

A Bio tech Co launches saliva PCR test reagent = Reduces risk of new corona infection in sampling COBID19 virus.

https://www.m-ikkou.co.jp/medic_news/detail/20200519_3.html

Massive and rapid PCR testing become easier by such improved method without specialist..

APPENDIX-4: As for Potential Conflict of Interest.

Author is Japanese, so he is likely to search Japanese websites, so acquired information are many in Japanese. As the consequence, he picked up topics of makers in Japan. However he had not gotten any benefit from that makers. However it would be benefit for Japan ?.

No, ! no!, it strongly may be USA who has been interfering All People PCR Testing.

Now the pharmacy Co in WEST are told busy in the rapid vaccine development..

Focus: risks hidden in new corona vaccine, adverse effects if development is urgent

<https://jp.reuters.com/article/health-coronavirus-vaccines-idJPKBN2100GD>

For each of the new coronaviruses that have spread in the last 20 years,

There is still no vaccine.

Predicament of new corona vaccine development-what is the reason why it takes time to put the vaccine into practical use?

<https://www.nli-research.co.jp/report/detail/id=64367?site=nli>

In the case of a vaccine for safety, evaluation of safety is very important. No matter how effective to the disease is, the development will be stopped if the risk of side reactions is high. In short, developing a vaccine is very difficult.

Does the vaccine not work? "Antibody-dependent infection enhancement" that emerges even in the new corona

<https://bio.nikkeibp.co.jp/atcl/news/p1/20/03/30/06749/>

A virus that has gone viral: Amino acid mutation in S protein of Indian isolate of Coronavirus COVID-19 might impact receptor binding and thus infectivity

<https://www.biorxiv.org/content/10.1101/2020.04.07.029132v1>

Time for vaccine development is not so short, while if mutation is rapid, it would be of no use.

APPENDIX-5: Herd Immunity by 70% infection ? .

Once an Australian doctor told *herd immunity is assured only by saving the vaccine,*

Unless vaccine, it is none sense due to the definition.

<https://www.sciencealert.com/why-herd-immunity-will-not-save-us-from-the-covid-19-pandemic>

Coronavirus: situation in Brazil becomes alarming

The World Health Organization (WHO) is concerned about the situation in Latin America and more particularly in Brazil, where the number of victims is growing ever more.

https://www.francetvinfo.fr/sante/maladie/coronavirus/coronavirus-la-situation-au-bresil-devient-alarmante_3976299.html

The President is told he once said “70% infection is not avoidable !”.

Covid-19: in Sweden, no confinement but an "amplification of the epidemic"

<https://www.france24.com/fr/20200522-covid-19-en-su%C3%A8de-pas-de-confinement-mais-une-amplification-de-l-%C3%A9pid%C3%A9mie>

Sweden is one of the few countries that has chosen not to confine its population to stop the spread of the coronavirus. And with hindsight, the number of deaths per million is ultimately much higher in Sweden than among its northern neighbors. Many specialists therefore believe that the Swedish method is a failure.

Once also German MP said “60~70% infection is not avoidable”.

Once UK PM exposed Herd Immunity Plan and was encountered strong opposition to stop, however they were to face strong infection expansion after that. Note Sweden, UK and USA are insidious ally for imprisoning J. Assange. Brazil and Japan are commonly puppet nation of CIA-Military industry complex USA. Japan is very oddly low death rate nation, while they encountered odd, but horror cases not to reach hospital service, which is permitted by intervention rule of ill will public health center who is not doctor, but diagnosis covid19 ill by telephone. It seems a kind of coup (virtual drilling) toward paralyzing and ruling against mass people in chaos by invisible, but insidious horror. Now the puppet government is eagerly recommending to accept **new life style** (co-living with Corona virus). It is clearly oriented toward **dividend society in politics**. It is this that the virus operator conspire toward coming global ruling in climate collapsing world.