

Editorial comment about Pandemic COVID-19 half-life versus nuclear half-life

Editorial

Why we introduce the notion of half-life is to sense for end in sight for our emotional well being. We could have already contaminated a minutia amount of the virus, e.g. Metro Subway metal rail surface or supermarket cashier, breathing in accidentally cough of droplets mist during the past 3 months, yet we did not get sick; we have perhaps developed from all balanced food a sufficient immune capability.. Thus we assert the threatening will be diminished in the US in a half year or so by June 2020, as Pandemic COVID-19 half-life. Since all the US population will has gained by one way or the other some immune capability.

According UN/WHO these pandemic virus bears names, e.g. phenomena-shape of virus under electronic microscope and the year discovered: For example, Sever Acute Respiratory Syndrome(SARS, Cov-2 began 2002-2003 causing 770K death, a family of current single strand RNA virus CovID-19. Likewise, Middle East Respiratory Syndrome (MERS; Cov-12-2012-now, causing 850K death is a family of CovId-19). All these must be compared to our yearly Influenza A, B, C, types again RNA Virus with yearly vaccines; nevertheless influenza caused 650K death on the average.

The public TV have kept emphasized the importance of wearing masks, gloves, and washing hands in soup water for 20 seconds. The biological reason is that the soup molecules has both the hydrophilic polar heads attached to fat oil dirt, while the hydrophobic tails of soup in water pulling apart the bi-layer of CorID-19. Then without those microscopic Crown-head needles they can no longer inject their RNA genetic material into our cells. Historically speaking, Louis Pasteur and Charles Chamberland invented the filter to remove all bacteria except the sub-micron pathogen called virus. Virus single strand RNA is in contrary to Homo sapiens DNA with twisted pairs C-G, A-T which are much stable with building in error correction kinetic proofreading mechanism during synthesis (cf. John Hopfield Proc Natl Acad Sci U S A. 1974 Oct; 71(10): 4135–4139. doi: 10.1073/pnas.71.10.4135).

Current CovID-19 is scary because the US has inadvertently delayed in the massive development of testing & prevention tools, other than the slow Polymerase Chain Reaction (PCR) responses. These factors have caused an exponential patient growth curve in

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Harold Szu, Peter Lum

Department of Biomedical Engineering, The Catholic Univ Am, Washington DC, USA

Correspondence: Harold Szu, Department of Biomedical Engineering, The Catholic University, Wash DC, USA, Tel 2404 8268 89, Email szuaroldh@gmail.com

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the US exceeding Asian and Europe. The mortality remains 1-2%. Nevertheless, without flatten of exponential patient growth curve in sight in all public TV News—too much TV is unhealthy to the emotional well being of Homo sapiens.

Conclusion

Keeping social distances and seclusion in households are miserable. In perspective more threatening half-life might be the nuclear reactor calamity. For example, 26 April 1986 Russian Chernobyl disaster and Friday, 11 March 2011 Japan Fukushima Daiichi Nuclear Reactor Plant. The radioactive Caesium (Cs)137 fuel was provided by French government seeking bomb fuel motive. The general design of reactor was done by the USA General Electric Company. Tokyo Nuclear Power Company installed it in a frequent Earthquake and high Tsunami Tide area. The half-life of Cs is 100 years long. Consequently, there are no more sashimi sushi, and no more ocean fish, nor Alaska salmon, that can be save from the radiation, while the fresh water fish suffered from industry chemical pollution. Perhaps, we must accept the mistakes whether November 2019 CorID-19 or March 2011 Nuclear Radiation Cs 137. Those who do not have strong ethics and courage are bound to repeat.

Conflicts of interest

The authors declare, that there is no conflict of interest.

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