

Pharmacotoxicologic side effects of drugs and vaccine are affecting different diseases progression, post-COVID-19 infection

Bahram Alamdary Badlou

Department, Hematologist, BBAdvies and Research, Research and Development Dept. Zeist, Netherlands.

Correspondence Author: Bahram Alamdary Badlou, Hematologist, BBAdvies and Research, Research and Development Dept. Zeist, Netherlands.

Received date: April 20, 2022; **Accepted date:** April 29, 2022; **Published date:** May 16, 2022

Citation: Bahram Alamdary Badlou, (2022) Pharmacotoxicologic side effects of drugs and vaccine are affecting different diseases progression, post-COVID-19 infection. *J. Pharmaceutics and Pharmacology Research*. 5(6); DOI: [10.31579/2693-7247/079](https://doi.org/10.31579/2693-7247/079)

Copyright: © 2022, Bahram Alamdary Badlou, This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Abstract:

COVID-19 variants death rate increased above 6 million (March- 2022) and counting, even after 90% vaccines were applied, certain medications are fully used, globally. Besides, the exact mechanism of COVID-19 variants mutations and their exact mechanism is not completely elucidated yet.

Keywords: drugs; Pharmacotoxicologic

Introduction:

Pharmacotoxicologic side effects of used (a-)specific drugs and vaccines against COVID-19 variants that were hastily developed in the last two years, paradoxically increased COVID-19 variants, and could not prevent COVID-19 pandemic variants production, unfortunately. One sincere question is “whether recently developed medications are causing novel mutations? and/or the COVID-19 variants are mutating regardless of certain vaccines and/or drugs were clinically used, each month?”

A standard clinical guideline and standard therapeutic method are desired to improve the efficacy of certain anti-COVID19 drugs and vaccines for patients with COVID-19[1,2].

In general, there are six main causes of death 1. Cancers 2. Cardiovascular diseases and 3. Allergic reactions, 4. Infectious diseases and 5. Drugs abuse and pharmacotoxicologic side effects, remarkably. Besides, there are different alternative medicine specialists and researchers, who are trying to prevent the abovementioned death causes, and 6. they paradoxically increase morbidity and mortality rate, however.

Apparently, we are arriving in a COVID-19 era, where Basic scientists and Clinicians have to fully be updated concerning modern and complex diseases separately or occurring simultaneously. Moreover, understanding novel combined processes with or without administration of certain vaccines and drugs i.e. Hematoimmunology, Hematooncology function of PLTs, and leakage of PLTs factor 4 (PF4), in combination with COVID-19 mutations are not so easy, as defined [2,3].

If One might look for upgrading the whole health system, which now cannot prevent infectious COVID-19 pandemic, (re-)considering abovementioned death cause and try to prevent mortality and morbidity rate between COVID-19 patients, he/she should consider treatments choosing /using /applying strategy A. Certain biologically /chemically produced vaccines and Medicines or strategy B. Non-medicinal. Using strategy A is not new but using strategy B might be a mind- provoking and novel approach.

Let's be study strategy B in more detail. Viruses are billion years old and human is million. Looking at their both existence could be said that both were successful concerning survival, in the last millennium, without using any medications. Comparing both entities concerning similarities is revealing both are very good in adapting their genome to the new environment, and they are able to mutate whenever was needed [2-5]. On the other hand, concerning dissimilarities humans can reproduce without using a host (2022) but viruses still need their host, eventually [4]. Moreover, whenever human needs drugs and vaccine can produce it, amazingly.

Nonetheless, pharmacotoxicologic side effects are causing a more complex situation in COVID- 19 management, than saving the life of patients, paradoxically. For instance, 5 years ago if random cancer and/or cardiovascular patients' survival was more than 3 up to 10 years, after getting COVID-19 infection their average survival are decreasing, however. What is there in- between COVID-19 is changed? One might ask a sincere question. How about the pharmacotoxicologic side effects of (post-)COVID-19 treatments, which potentially can affect cancer and

cardiovascular progressions toward an increased mortality and morbidity rate[2,3,7]. The complication of blood diseases, cardiopulmonary disorders, have resulted in more complex treatments and unpredictable side effects [2,7]. Moreover, there are countless medical treatments and approaches post-COVID-19, which are affecting the subject's health, globally.

Understanding the major causes of induced-blood diseases might help to prevent main side effects triggered by recent medications and correlated approaches with rapidly developed (unknown) COVID-19 vaccines and drugs, which hypothetically distress patients' (ir-) responsiveness that take place in Hospitals.

Taken together, standard or combined therapeutic methods are needed to study all aforementioned hemato-immunologic processes, which can improve the efficacy of certain drugs, vaccines, applied Medicare/Medicaid, and especially prevent pharmacotoxicologic side effects of COVID-19 vaccines and associated medications. Though, One is observing that not only all gained basic- and clinical study results were not used, but also there was no standard guideline(s) to achieve ultimate goals, in the last years.

References

1. Bahram Alamdary Badlou (2021). COVID-19 WAR, Vaccines Versus Medicines. *CPQ Medicine*, 11(2), 01-04.
2. Bahram Alamdary Badlou (2021). COVID-19 War, Confusion about Cause-Effect Correlations *CPQ Medicine* 11:6
3. Scully M., Singh D, Lown R, Poles A, Kotoucek P, Thomas W. and Lester W(2021). Pathologic Antibodies to Platelet Factor 4 after ChAdOx1 nCoV-19 Vaccination *N Engl J Med*; 384:2202-2211
4. Goldschmidt-Clermont PJ, Goldschmidt AJP, Weiss RE(2021). Rivalry between human ideation and virus mutation: two competing means of sustainability. *Women Health Care Issues*. 4(3).
5. Centers for Disease Control and Prevention (2021).
6. Shi M, Lin XD, Chen X, Tian JH, Chen LJ, Li Ket al(2018). The evolutionary history of vertebrate RNA viruses. *Nature*. Apr;556(7700):197-202.
7. Bahram Alamdary Badlou(2018). Main blood diseases and another try to understand treatments' Side Effects. *J Thrombo Cir*.



This work is licensed under Creative Commons Attribution 4.0 License

To Submit Your Article Click Here:

Submit Manuscript

DOI: [10.31579/2693-7247/079](https://doi.org/10.31579/2693-7247/079)

Ready to submit your research? Choose Auctores and benefit from:

- fast, convenient online submission
- rigorous peer review by experienced research in your field
- rapid publication on acceptance
- authors retain copyrights
- unique DOI for all articles
- immediate, unrestricted online access

At Auctores, research is always in progress.

Learn more <https://www.auctoresonline.org/journals/pharmaceutics-and-pharmacology-research->