Covid-19 pandemic

Vaccination, single remedy…

Affinity Methodology in Biotechnology

Tran Quang Minh, PhD

tran.quang.minh@affiland.com

In immunology, the response of the immune system to a vaccine is formulated by the reaction

Antigen + Antibody ↔ {Antigen///Antibody} complex

If the antigen comes directly from the right and true vaccine (from the virus for example), the immune system will receive it by affinity to the membrane receptors of its lymphocytes. The latter thus have the time necessary to identify the antigen (of the virus), memorize its image, manufacture the specific antibody to neutralize it and finally specific humoral antibodies to neutralize the rest of the circulating antigens. The second dose of the vaccine (booster) ensures that the memory of the immune system works normally.

As final results:

1) The virus will be completely immobilized by the specific membrane and/or humoral antibody. In other words, the patient will be cured of the virus.

2) The vaccinated person will have immunity (against the virus in question) thanks to the memory of the immune system which immediately produces its specific humoral antibodies as soon as the virus reappears.

- In 1776, Edward Jenner, a country doctor from England managed to save the world from smallpox with his vaccination (padcow cow variolation) by inoculating cowpox pus to the person sick with smallpox or not. He has since saved the whole world from smallpox, which has been recognized as eradicated since 1980.

- In 1885, Louis Pasteur, Doctor of Exact Sciences (Physics and Chemistry) appreciated and continued the vaccination path of Dr. Jenner in the search for a vaccine against rabies. He has thus thanks to his vaccine (rabbit spinal cords) saved many people infected with rabies and allows vaccinated people to have immunity against this virus. He therefore founded the “Institut

Pasteur" and initiated research on vaccination. Its formula is presented in the form, at the time when we still know very little about the chemistry of proteins: The toxin (foreign body) forms with its anti-toxin a "specific lock - key" system, the very telling image of the complex "specific antigen-antibody" with an affinity constant of the order of 10^{-15}M known in modern times. Remember that all the research work carried out by Louis Pasteur scrupulously respects the fundamental principles of the exact sciences based on the justifiable data of the hypothesis and conclusions (results).

The vaccination postulated by Louis Pasteur is an exact science in medicine.

Jenner and Pasteur therefore used their attenuated virus for vaccination purposes (attenuated virus is the virus which spreads but is less virulent compared to the native).

The covid-19 contagious to humans which appeared in 2019 in Wuhan of China is widespread in the world from the beginning of the year 2020. This virus is still alive in different variants, the last of which called "Omicron" by WHO would give certain optimism about the end of the pandemic which has made so far, on 31.01.2022:

- 375 million (+ 2.13M) contaminations.

- 5.66 million (+ 5,571) deaths worldwide since the end of December 2019.

- Currently, especially in rich and developed countries, the majority of inhabitants are vaccinated, sometimes up to 100% with vaccines authorized by the competent bodies in the USA, EUROPE and/or by WHO. These include vaccines from Pfizer-BioNTech, Moderna, AstraZeneca, Johnson-Johnson, Sinovac-Coronavac, Covaxin.

However, the virus continues to infect even people vaccinated two or three times already...

We are trying to find the reason(s) for the decline in vaccination in the present day of the 21st century compared to the days of 18th century Jenner and 19th century Pasteur.

I. Let's start with the vaccine antigen:

1) Jenner and Pasteur inoculate their attenuated virus in the presence of lipid. Once the vaccine had been received, the host's immune system could deal

with the infectious agent by giving the satisfactory concrete results that we know above: healing for the sick and immunity for the vaccinated.

2) The Pfizer-BioNTech and Moderna vaccines come from their recombinant mRNA which forces the cytoplasm of the host's lymphocytes to synthesize the protein under its command as if this message came naturally from the nucleus of the host's lymphocytes. This protein will eventually be recognized by the host as an antigen by the non-self against which an antibody is created.

As consequences,

- The mRNAs in question have worked as spies that rip off the host's immune system where everything must normally be directed by its genome in an absolute way. Genetic management is thus disturbed and disordered. The power of the immune system is therefore threatened and damaged.

In addition, as the host's immune system does not recognize the protein it manufactures with its own material, the risk of an autoimmune disease will not be ruled out. A follow-up study is necessarily desirable.

- The antigen created by mRNA has never been formally identified inside host lymphocytes. The fact that the vaccines failed to cure infected patients and to give immunity to those vaccinated, clearly shows that the Pfizer-BioNTech and Moderna vaccines are not real vaccines like those of Jenner-Pasteur where the procedure comes from . The antibody resulting from these mRNAs constitutes a cross reaction with the native antigen of the virus. Covid-19 will never be stored in memory with the mRNAs in question and the booster vaccine dose(s) cannot receive a memory response from the immune system other than to follow the same route from the first dose.

At the limit, mRNA vaccines are only drugs that slow the progression of the virus but are not able to eliminate it.

The same result will be obtained if monoclonal antibodies are used as drugs against covid-19. Indeed, it is known that the best monoclonal antibody has only 10^{-7}M as affinity constant against a given antigen: the Ab + Ag reaction is reversible, the virus will always be there.

3) AstraZeneca and Johnson-Johnson vaccines use recombinant DNA technology which encodes the recombinant covid-19 spike protein which will serve as the vaccine antigen. As no recombinant protein is found identical to the natural native one, the antibodies derived from antigen of these vaccines

cannot be those specific to the virus. If these antibodies cross-react with the virus, these vaccines like those of Pfizer and Moderna are only drugs that slow down the development of the virus at best. In addition, this is about GMO vaccines. It is curious that no comment is issued by the scientific team as we had done a lot with GMO foods.

4) The Sinovac-coronavac vaccine from China contains the whole covid-19 virus (but chemically inactivated) with aluminum hydroxide as an adjuvant.

Apparently, this vaccine is similar to those of Jenner-Pasteur but in the background, the virus has been modified by a chemical product and the antigen of the virus is likely to be too. The fact that the vaccine antibodies fail to completely neutralize the virus shows its character as an imperfect drug rather than a vaccine in the good sense of the word.

The same is true with Covaxin from India.

5) Other vaccines using as antigen either a whole recombinant protein or part of a recombinant protein of that native to the virus, will a priori be ruled out because they could never give specific antibodies for Covid-19. Their antibodies may not recognize the antigen of the virus at all because these antigens are very very far from being identical to the antigen of the virus.

II. Findings

All the vaccines used against covid-19 in the world until now have not met the standards postulated by Louis Pasteur because the antibodies provided by these vaccines are not specific to the native antigen of the virus. The memory of the immune system never had a chance to be activated for the virus. These vaccines cannot completely neutralize the virus and therefore cannot give immunity to those vaccinated against covid-19. In addition, mRNA vaccines risk irreversibly damaging the host's immune system and causing autoimmune diseases.

To avoid any possible impact in the near and distant future:

1) That we have the advantage of reconstituting the vaccines of Jenner (vs smallpox) and Pasteur (vs rabies) and seeks to identify the corresponding

antigen in its pure state thanks to its specific antibody. This knowledge is useful to show if the antigen of the virus remains intact when this virus goes from one variant to another.

2) A variant of the attenuated vaccine is the vaccine inactivated by a chemical product such as formalin. This method would be equivalent to the attenuated one if the formalin in question did not modify the antigen of the virus. To confirm this theoretically, it is necessary to isolate and identify the antigen of the inactivated virus. But in practice, it would be enough to wait to see if such an inactivated vaccine managed to cure the sick and give immunity to the vaccinated.

3) That it is better to look for Jenner-Pasteur attenuated vaccines against all new viruses. This method, once successful, would be made available to all peoples in order to constitute the attenuated viruses themselves as quickly as possible and therefore the appropriate vaccines. This policy makes it possible to contain the epidemic as soon as it appears, at the lowest economic cost and to avoid the pandemic that we have been experiencing for more than 2 years already.

4) That it is interesting to question all the inventors and producers of vaccines against Covid-19, why do they go directly to their own method without taking that of Jenner-Pasteur as the basic scientific reference?

Remember that since the 1970s, we have known a large number of viruses: HIV - human immunodeficiency (since 1981-today); SARS - Acute respiratory syndrome or atypical pneumonia (2002-2003); H1N1 (2009-2010); EBOLA (2014)…

Despite the great efforts of professional circles in the search for vaccines against these viruses, nothing was obtained, including that of AIDS, which has caused a lot of damage even today.

What do vaccine producers plan to do with Omicron, the attenuated covid-19 that fell abundantly from the sky?

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