



DEVELOPMENT AND IMPORTANCE OF VACCINE AND VACCINATION

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Research purpose. The aim of the research is to overview the development and importance of vaccine and vaccination.

Keywords: ARNm. Covid 19, diseases, pandemic, vaccination, vaccine, virus

Research Methodology. For the realization of this research, we have carried out an analysis of scientific literature and we have focused on the points that we have considered most relevant for this conference.

Results / Findings. To begin, we exposed the differences between vaccine and vaccination, as well as a brief introduction to their history, explaining their origin and talking about the most important throughout the history of medicine, highlighting names such as Edward Jenner or Louis Pasteur.

Next, we showed the different types of traditional vaccines, and their operation, these being Attenuated vaccines, Killed or inactivated Vaccines, Toxoids and Subunit and Conjugate Vaccines. Later, it was explained what the new types of vaccines against covid 19 (mRNA vaccines and viral vector vaccines) are and its mode of action, talking about its effectiveness, the necessary doses, possible allergy reactions and side effects, and its benefits for individual and population health.

Finally, we gave the reasons why we believe that getting vaccinated against covid 19, as well as against any other infectious disease, is the best option, and thousands of human lives can be saved with this action.

Originality / Practical implications. On the whole, vaccination is currently the most effective solution we have to eradicate the covid 19 pandemic, which is why it is necessary to acquire knowledge about the operation of vaccination, understanding its benefits for individual health and population, showing that it is a safe method.