

Twitter Thread by Aureliano Stingi

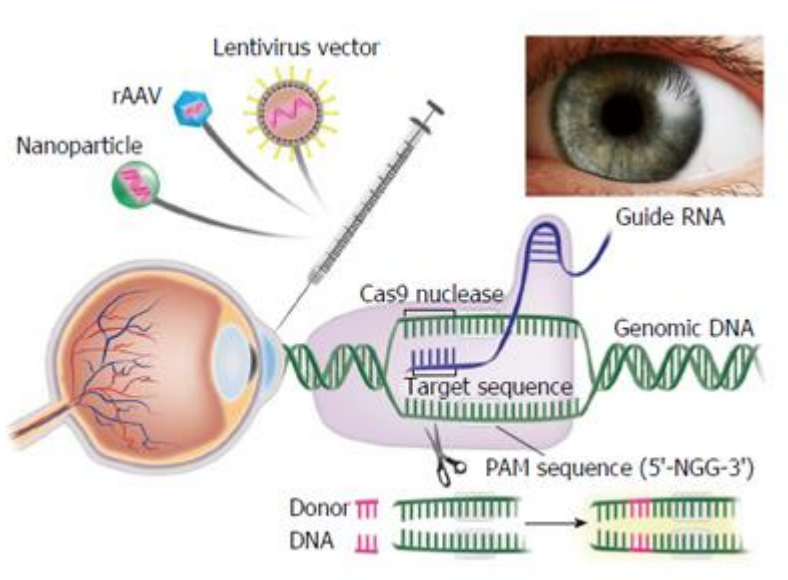


Aureliano Stingi

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Controversial 3D. Probably none of you knows about Leber congenital amaurosis type 10, congenital blindness that affects 3 out of 100,000 children, condemning them to blindness for life. The only possible treatment is through gene therapy. 1/n



Thanks to Crispr-CAS9 technology we MODIFY the defective gene inside the patient eye (they directly inject the treatment into the eye). Before CRISPR the treatment was based on Adenovirus carrying the correct form of the gene 2/n

<https://t.co/RbqZKkUlJx>

In both cases, we MODIFY the patient DNA and that's the only way (today) to treat this disease. LCA10 is not the only genetic disease affecting kids unfortunately the list is long and the variety of diseases is terrifying. 3/n

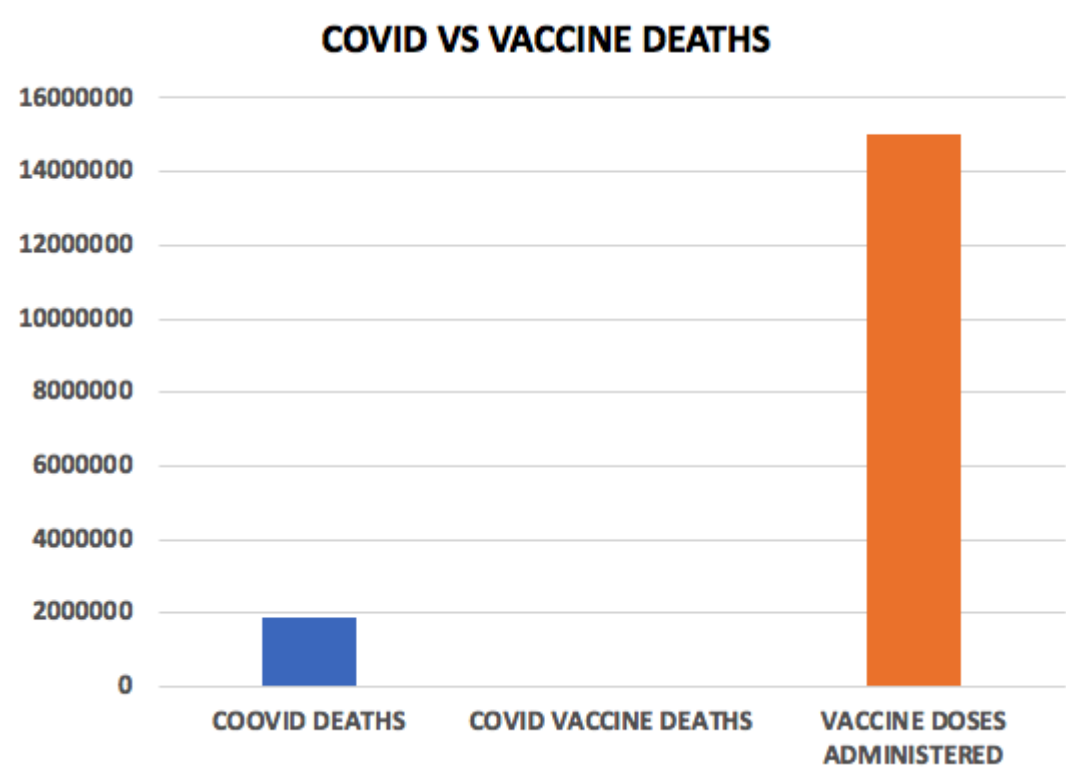
<https://t.co/iO2jqclxU0>

Now think about a parent with a kid with a genetic disease, he/she would try and do anything to save him/her. ANYTHING and they would take some RISKS, gene therapy was a risk at the beginning, and any new experimental treatment shares a percentage of risk. 4/n

Now we come to #COVID19 and #vaccines. The new RNA vaccines are a HUGE scientific breakthrough, that may open new amazing therapeutic paths. And like ANY other human activity share a risk. 4/n

<https://t.co/mG9lQoNCXI>

FDA and EMA already cleared that risk to a very small percentage, probably lower than a normal drug. But there is a risk, and why should we take that risk? Because on the other hand, we have Covid19. A disease that killed 2 million people. 5/n



Covid19 can severely damage our body and it can cause long term damages (#LongCovid). 6/n

<https://t.co/gnczyUWw9i>

People against the RNA vaccine (or vaccine in general) don't want to take a small risk (FDA and EMA agree that is reasonably low) because they don't see the risk/reward ratio and you why? because they are SELFISH. 7/n

<https://t.co/nYLR1Sq2BW>

Covid19 has a relatively low lethality that's why people are not scared, that's why people complain about social distancing, lockdown and wearing a mask because they are not directly affected. If it doesn't touch me, why should I be worried? that's so sad and miserable. 8/n

We need lockdown, social distancing, mask and vaccines to PROTECT the weak, the elderly, the immunocompromised. And why we do that? because we are human beings and we are better than wild animals. So take a small risk to protect the others and stop complaining. 9/n

And maybe spend some times speaking with families hit by covid, speak to a person who has lost a parent, maybe you will realize that you are not the only one. We are one species and we help each other.

#WearADamnMask #vaccinoCovid 10/10

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