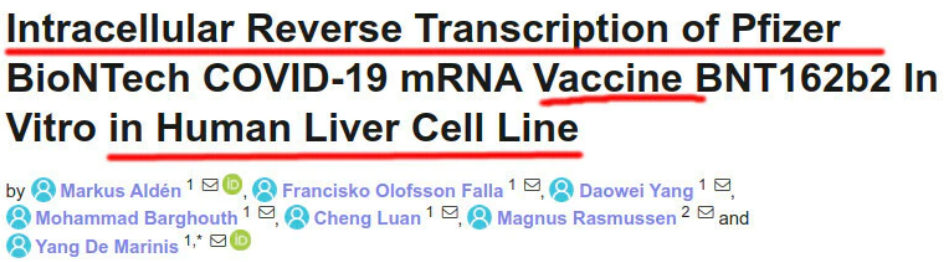
Worst Fears Realized: Pfizer mRNA Transcribes into DNA

mRNA Vaccines Actually are "Gene Therapy", Study Shows

Igor Chudov
Feb 25

378 418

A new study is out: Intracellular Reverse Transcription of Pfizer BioNTech COVID-19 mRNA Vaccine BNT162b2 In Vitro in Human Liver Cell Line.


Intracellular Reverse Transcription of Pfizer BioNTech COVID-19 mRNA Vaccine BNT162b2 In Vitro in Human Liver Cell Line

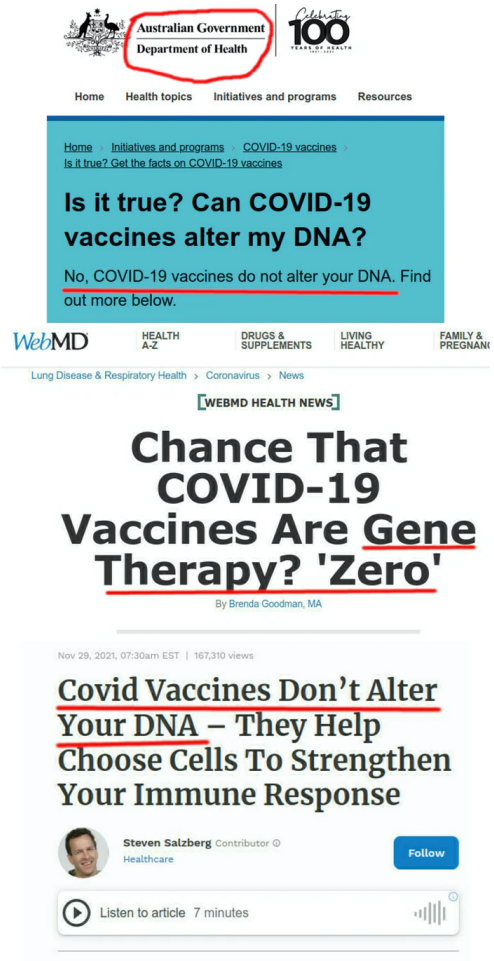
by Markus Aldén [1], Francisko Olofsson Falla [1], Daowei Yang [1], Mohammad Barghouth [1], Cheng Luan [1], Magnus Rasmussen [2] and Yang De Marinis [1,*]

What it is saying is: **lab studies show that mRNA vaccine DOES integrate itself into human cellular DNA**. This means that a shot of Pfizer vaccine, taken even once, permanently changes the DNA of affected cells.

It was Not Supposed to Happen

For over a year, our trusted "health experts and fact checkers" kept telling us the opposite:

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However, the bombshell article from Current Issues of Molecular Biology shows the opposite.

Details

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Abstract

Preclinical studies of COVID-19 mRNA vaccine BNT162b2, developed by Pfizer and BioNTech, showed reversible hepatic effects in animals that received the BNT162b2 injection. Furthermore, a recent study showed that SARS-CoV-2 RNA can be reverse-transcribed and integrated into the genome of human cells. In this study, we investigated the effect of BNT162b2 on the human liver cell line Huh7 in vitro. Huh7 cells were exposed to BNT162b2, and quantitative PCR was performed on RNA extracted from the cells. We detected high levels of BNT162b2 in Huh7 cells and changes in gene expression of long interspersed nuclear element-1 (LINE-1), which is an endogenous reverse transcriptase. Immunohistochemistry using antibody binding to LINE-1 open reading frame-1 RNA-binding protein (ORFp1) on Huh7 cells treated with BNT162b2 indicated increased nucleus distribution of LINE-1. PCR on genomic DNA of Huh7 cells exposed to BNT162b2 amplified the DNA sequence unique to BNT162b2. Our results indicate a fast up-take of BNT162b2 into human liver cell line Huh7, leading to changes in LINE-1 expression and distribution. We also show that BNT162b2 mRNA is reverse transcribed intracellularly into DNA in as fast as 6 h upon BNT162b2 exposure.

Keywords: **COVID-19 mRNA vaccine; BNT162b2; liver; reverse transcription; LINE-1; Huh7**

What the article shows is that in vitro, using a human liver cell line, Pfizer mRNA vaccine uses a natural reverse transcriptase enzyme called LINE-1, and the **genetic code of the vaccine is reverse transcribed into the DNA.**

It also explains that vaccine mRNA actually does travel to the liver as one of the preferred sites (the other sites, as we heard, are ovaries and more).

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What does it mean? Normally, our cells do the opposite: the cell nucleus, where the DNA is, expresses certain DNA code based on conditions of the cell, and produces natural, human messenger RNA. That messenger RNA travels out of the nucleus, where it is expressed into proteins needed for cell building. This is how growing organisms express different genetic programs to grow muscle cells or brain cells, etc.

This process is called “transcription”.

For many years, Central Dogma of Molecular Biology stated that the “reverse transcription” — moving genetic code from RNA back into the sacred cellular nucleus and recoding the DNA — was impossible. Eventually, scientists realized that it is possible under various conditions. For example, the HIV RNA virus is able to do so and it reprograms our DNA to produce copies of it. HIV is the virus that causes AIDS.

To effect reverse transcription, enzymes called “reverse transcriptases” are needed. One of them is called LINE-1.

Apparently, per study, the Pfizer mRNA vaccine causes cells to produce that LINE-1 enzyme.

Next, we studied the effect of BNT162b2 on LINE-1 protein level. The full-length LINE-1 consists of a 5′ untranslated region (UTR), two open reading frames (ORFs), ORF1 and ORF2, and a 3′UTR, of which ORF1 is an RNA binding protein with chaperone activity. The retrotransposition activity of LINE-1 has been demonstrated to involve ORF1 translocation to the nucleus [35]. Huh7 cells treated with or without BNT162b2 (0.5, 1.0 and 2.0 μg/mL) for 6 h were fixed and stained with antibodies binding to LINE-1 ORF1p, and DNA-specific probe Hoechst for visualization of cell nucleus (Figure 4a). Quantification of immunofluorescence staining intensity showed that BNT162b2 increased LINE-1 ORF1p protein levels in both the whole cell area and nucleus at all concentrations tested (Figure 4b–d).

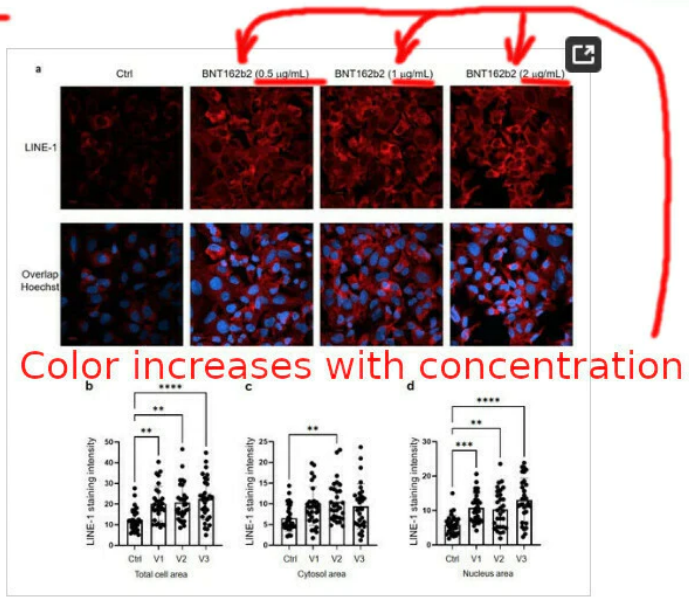
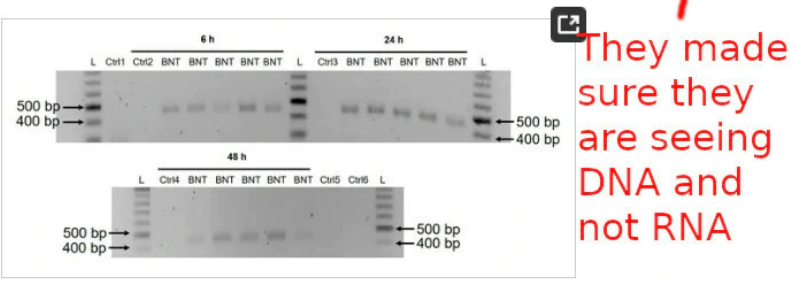


Figure 4. Immunohistochemistry of Huh7 cells treated with BNT162b2 on LINE-1 protein distribution. Huh7 cells were treated without (Ctrl) or with 0.5, 1, and 2 μg/mL of BNT162b2 for 6 h. Cells were fixed and stained with antibodies binding to LINE-1 ORF1p (red) and DNA-specific probe Hoechst for visualization of cell nucleus (blue). (**a**) Representative images of LINE-1 expression in Huh7 cells treated with or without BNT162b2. (**b**–**d**) Quantification of LINE-1 protein in whole cell area (**b**), cytosol (**c**), and nucleus (**d**). All data were analyzed using One-Way ANOVA, and graphs were created using GraphPad Prism V 9.2. All data is presented as mean ± SD (** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$ as indicated).

After seeing LINE-1 reverse transcriptase rise, they tested for alterations to the DNA, making sure they are not picking up the RNA instead.

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transcribed into DNA when LINE-1 is elevated, we purified genomic DNA from Huh7 cells treated with 0.5 µg/mL of BNT162b2 for 6, 24, and 48 h. Purified DNA was treated with RNase to remove RNA and subjected to PCR using primers targeting BNT162b2, as illustrated in Figure 1. Amplified DNA fragments were then visualized by electrophoresis and gel-purified (Figure 5). BNT162b2 DNA amplicons were detected in all three time points (6, 24, and 48 h). Sanger sequencing confirmed that the DNA amplicons were identical to the BNT162b2 sequence flanked by the primers (Table 2). To ensure that the DNA amplicons were derived from DNA but not BNT162b2 RNA, we also performed PCR on RNA purified from Huh7 cells treated with 0.5 µg/mL BNT162b2 for 6 h, with or without RNase treatment (Ctrl 5 and 6 in Figure 5), and no amplicon was detected in the RNA samples subjected to PCR.



They made sure they are seeing DNA and not RNA

Figure 5. Detection of DNA amplicons of BNT162b2 in Huh7 cells treated with BNT162b2. Huh7 cells were treated without (Ctrl) or with 0.5 µg/mL of BNT162b2 for 6, 24, and 48 h. Genomic DNA was purified and digested with 100 µg/mL RNase. PCR was run on all samples with primers targeting BNT162b2, as shown in Figure 1 and Table 1. DNA amplicons (444 bps) were visualized on agarose gel. BNT: BNT162b2; L: DNA ladder; Ctrl1: cultured Huh7 cells; Ctrl2: Huh7 cells without BNT162b2 treatment collected at 6 h; Ctrl3: Huh7 cells without BNT162b2 treatment collected at 24 h; Ctrl4: Huh7 cells without BNT162b2 treatment collected at 48 h; Ctrl5: RNA from Huh7 cells treated with 0.5 µg/mL of BNT162b2 for 6 h; Ctrl6: RNA from Huh7 cells treated with 0.5 µg/mL of BNT162b2 for 6 h, digested with RNase.

The genetic code that they picked up is:

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CGAGGTGGCCAAGAATCTGAACGAGA

GCCTGATCGACCTGCAAGAACTGGGGAAGT ACGAGCAGTACATCAAGTGGCCCTGGTACA

TCTGGCTGGGCTTTATCGCCGGACTGATTG CCATCGTGATGGTCACAATCATGCTGTGTT

GCATGACCAGCTGCTGTAGCTGCCTGAAGG GCTGTTGTAGCTGTGGCAGCTGCTGCAAGT

TCGACGAGGACGATTCTGAGCCCGTGCTGA

AGGGCGTGAAACTGCACTACACATGATGAC

TCGAGCTGGTACTGCATGCACGCAATGCTA GCTGCCCCTTTCCCGTCCTGGGTACCCCGA

GTCTCCCCCGACCTCGGGTCCCAGGTATGC TCCCACCTCCACCTGCCCCACTCACCACCT

CTGCTAGTTCCAGACACCTCCCAAGCACGC AGCAATGCAGCTCAAAACGCTTAGCCTA
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Anyone wants to run BLAST on it?

Simplified

As I explained in response to a questioner:

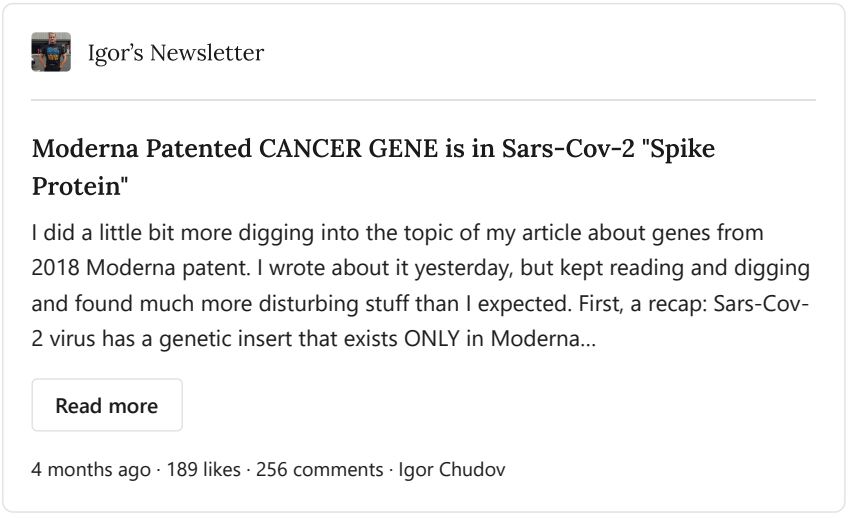
> Pfizer mRNA vaccine changes our genetic code that determines how our organisms operate, that you inherited from your mom and dad. Now your DNA was changed from what your mom and dad gave you, by adding a little mysterious "edit" from Pfizer.
> Your organism acts in accordance with your DNA program, and now, well, the program has been hacked and modified by Pfizer.

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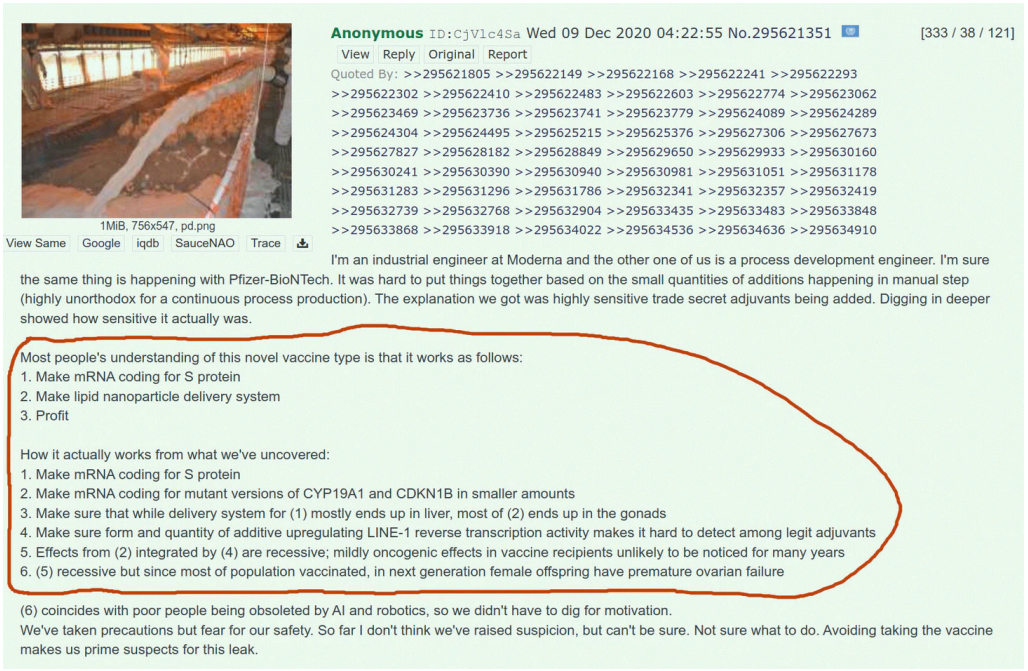
Considering that Sars-Cov-2 “spike protein” has cancer code from Moderna 2017’ patent 9,587,003, it is imperative to find out the implications of this reverse transcription, and whether the vaccinated now have any undesirable genetic code embedded into their DNA.

Of particular interest is whether this mRNA-induced reverse transcription affects the “germ line”, such as eggs and sperm cells, and whether it also affects the fetus of pregnant mothers.



Please repost this article far and wide due to its big implication for our public health.

EDIT: Our astute commenter pointed out an anonymous 4chan post from Dec 2020, long before any of this became known. The date makes us all ask, did this person know too much?



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Independent thoughts

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WG Feb 25 Liked by Igor Chudov

Good thing they skipped the 10 year vaccine development cycle. Warp speed baby!

What a train wreck :(

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30 replies by Igor Chudov and others

Joseph Vincetti Feb 25 Liked by Igor Chudov

Much of this I was already aware of but it's always nice to have actual scientific confirmation. It's amazing how virtually all of the so-called conspiracy theories keep being proven entirely true.

From a more selfish perspective, I sincerely hope that those of us who remain unvaccinated yet were infected with Covid are not vulnerable to the Cancer causing proteins coded into the Covid virus since our DNA was never altered.

I really appreciate you taking the time to do these deep dives and summarizing the important findings for us.

100 Reply Collapse

106 replies by Igor Chudov and others

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