

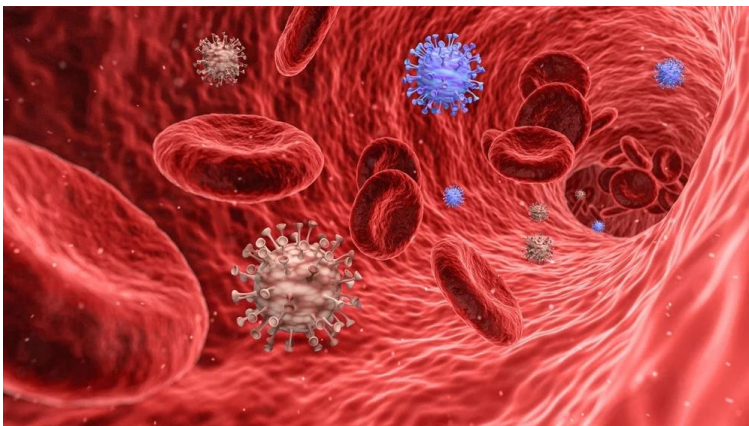


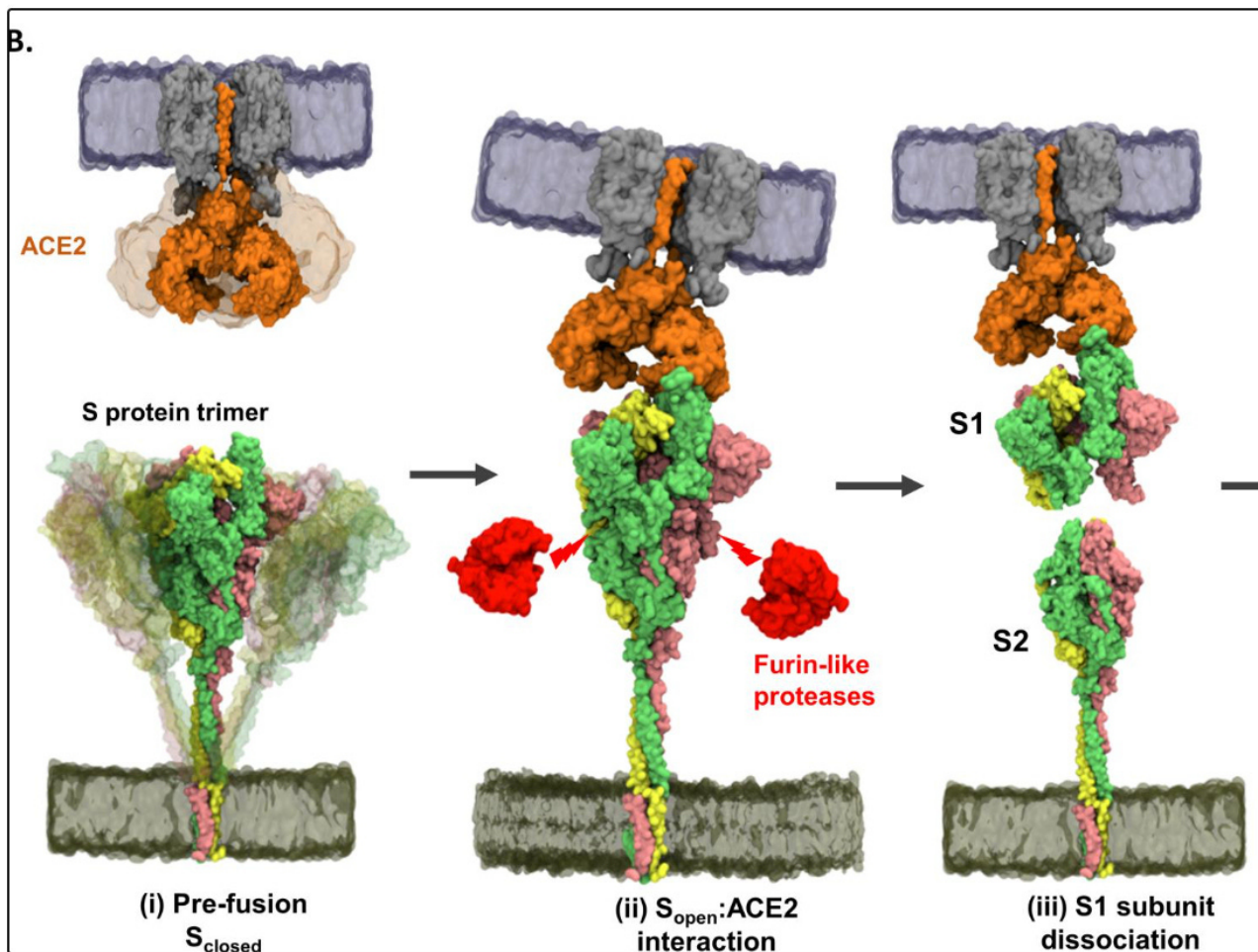
September 2, 2023 Health

# Do 50% of Pfizer & Moderna-Vaccinated People Produce Spike Protein Forever?

Dr. William Makis reviews five studies on Spike protein in the blood.

By Influencers





This graphic demonstrates viral entry into a host cell mediated by Spike protein-ACE2 interactions. Click on the image for more detailed information. Credit: Ganesh Anand, Penn State. All Rights Reserved.

## Several recent studies deal with spike protein in the blood and I will briefly review the following:

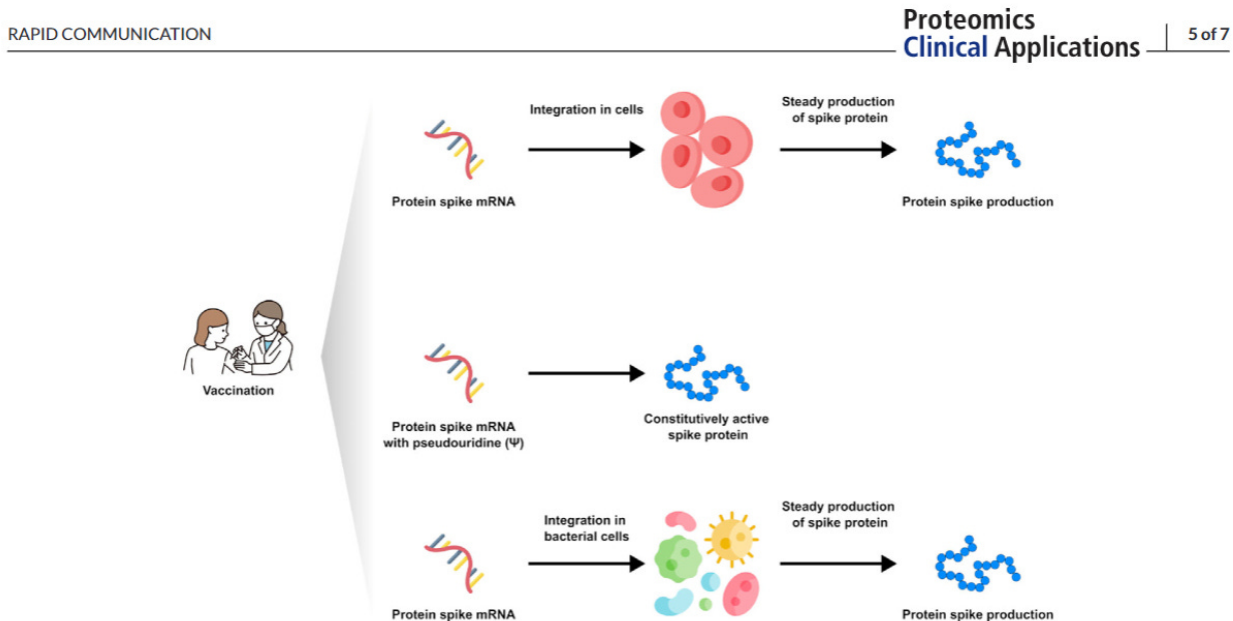
- **Sep.2, 2022 - Zoe Swank et al.** (spike in blood of long COVID patients at 12 mo)
- **Sep.12, 2022 - Cosentino et al.** (does vaxx spike get into blood & cause injury?)
- **Jan.4, 2023 - Yonker et al.** (vaxxed w myocarditis had full spike in blood)

- **Jan.17, 2023 - Castruita et al.** (vaxx mRNA detected in blood of 10% at 28 days)
- **Aug.15, 2023 - Brogna et al.** (spike detected in blood of 50% vaxxed at 6 months!)

## **Aug.15, 2023 - Brogna et al - Detection of recombinant Spike protein in the blood of individuals vaccinated against SARS-CoV-2: Possible molecular mechanisms**

- **Spike protein** is one of 4 major proteins of SARS-CoV2, it enables recognition of host cell receptor and **entry into the host cell**
- **Both Pfizer and Moderna COVID-19 mRNA vaccines use a modified spike protein** - all uridine bases were replaced with methyl pseudouridine (less immunogenic, more stable)
- **Both Pfizer and Moderna COVID-19 mRNA vaccines also use a stabilized spike (different from natural spike)** that differs by a double amino acid change at position 986 and 987, K986P and V987P - the amino acids lysine and valine are both replaced by two proline amino acids in order to stabilize the spike confirmation in an inactive prefusion state (**PP-Spike**).
- researchers can differentiate natural SARS-CoV-2 spike which can be broken down by tryptic digestion, from **Pfizer/Moderna vaccine spike (PP-spike) which can't be digested** (because the double amino acid change eliminated the tryptic digestion site).

- **Study: 20 were vaccinated with mRNA vaccine, 20 were unvaccinated and uninfected with COVID-19, 20 were unvaccinated but positive for COVID-19.**
- **Results: 50% of the mRNA vaccinated still have spike protein in the blood 6 months after vaccination (and will continue, possibly indefinitely)**
- **Theories:**
  - **1. mRNA integrates into some blood cells** and spike is continuously produced
  - **2. mRNA integrates into bacterial cells in the blood** and spike is continuously produced



**FIGURE 3** Possible molecular mechanisms of persistence of "Spike PP".

**Jan.17, 2023 - Castruita et al. - SARS-CoV-2 spike mRNA vaccine sequences circulate in**

# **blood up to 28 days after COVID-19 vaccination**

- In Denmark, Hepatitis C patients were monitored for HCV infection
- **Study:** They extracted RNA from patient plasma in 108 Hepatitis C patients who were COVID-19 mRNA vaccinated
- **Results: 10% had full length or traces of COVID-19 vaccine mRNA sequences in the blood up to 28 days after vaccination**
- Theory: authors suspect this mRNA is in LNPs which are being slowly released into the blood from the injection site for up to 28 days!

## **Jan.4, 2023 - Yonker et al. - Circulating Spike Protein Detected in Post-COVID-19 mRNA Vaccine Myocarditis**

- **Study:** looked at 16 adolescents ages 12-21 (13 men, 3 women) with COVID-19 mRNA vaccine induced myocarditis vs 45 mRNA vaxxed control subjects
- Results: **full length spike protein** (unbound by antibodies) was found in plasma of individuals with vaxx induced myocarditis, but none was found in mRNA vaxxed controls.
- **elevated spike was seen equally in affected females and males(!!!)**
- circulating free spike remained detectable at 3 weeks after vaccination

# Sep.2, 2022 - Zoe Swank et al. - Persistent Circulating Severe Acute Respiratory Syndrome Coronavirus 2 Spike Is Associated With Post-acute Coronavirus Disease 2019 Sequelae

- Study: looked at **63 long COVID patients** and took blood samples up to 12 months after their 1st positive result
- Results: **60% Long COVID patients had detectable spike protein in plasma up to 12 months.**
- In contrast, **COVID-19 patients who did not go on to develop Long COVID had no spike detectable.** They only had detectable S1 within 1st week after diagnosis.
- Theory: authors theorize that **“SARS-CoV-2 viral reservoirs may persist in the body”**
- Problem: some of these patients were COVID-19 vaccinated and they didn't account for the vaccine status and its effects.

# Sep.12, 2022 - Cosentino et al. - Does the S protein leak into the circulation, at what concentration, and for how long?

- After COVID-19 mRNA vaccination, **circulating spike protein originates from endogenous production and its concentration will be much higher**

**in tissues where production occurs(!)**

- **Roltgen et al. detected vaxx mRNA and spike in axillary lymph nodes up to 60 days after 2nd dose of Pfizer or Moderna vaccines.**
- circulating S1 subunit levels from those with severe COVID-19 infection are similar to post mRNA vaccine circulating S1 levels.
- Theory: **severe COVID-19 infection and mRNA vaccination could result in similar total systemic amounts of S protein (about 72 billion spikes estimated)**
- most virus spike protein remains in **respiratory tract** while mRNA vaccine **induced spike protein production occurs in internal organs and tissues**, which can exert more systemic effects **(!!!)**
- Conclusion: **COVID-19 mRNA vaccines under some circumstances induce high and possibly toxic amounts of S protein in organs and tissues, in turn leaking into the circulation.**

## **My Take...**

There is a very concerning picture emerging.

Potentially **50% of COVID-19 mRNA vaccinated people have spike protein in the blood at least 6 months after vaccination** or longer, maybe indefinitely!

Potentially **60% of Long COVID-19 patients have spike protein in the blood at least 12 months after infection**,

or longer, maybe indefinitely!

**Almost all Long COVID-19 patients are also COVID-19 mRNA vaccinated** - is the spike protein in their blood coming from a viral reservoir (hiding in the gut or testes) or is it coming from the mRNA vaccine?!

**The 50% of COVID-19 mRNA vaccinated** who have spike in the blood (possibly indefinitely), **are getting spillover of spike into the blood due to much higher concentrations of spike being produced in organs and tissues** (causing local damage) - how did the spike get into those organs and tissues?

COVID-19 vaccine Lipid Nanoparticles with mRNA **leak into the blood circulation for up to 28 days after vaccination** - their circulation allows the vaccine mRNA to get delivered into various organs and tissues where spike gets produced.

**COVID-19 mRNA vaccinated with myocarditis have spike circulating in the blood**, while those without myocarditis don't have any!

**The vaccine spike is causing the injuries!**

**This means that spike detoxing is more important than ever for many people (those**



**suffering from Long COVID, possibly 50% of all vaccinated individuals, those who react to external shedding, etc).**

**In the coming days, I will write a separate Substack on the latest on spike protein detoxing.**

**Subscribe to Dr. Makis' Substack.**

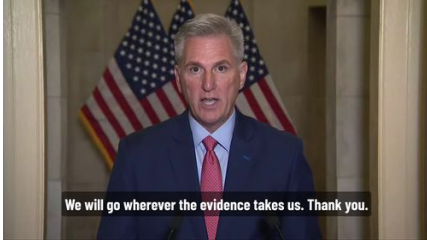
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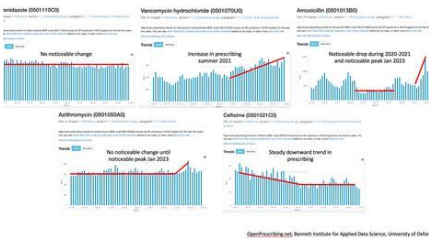
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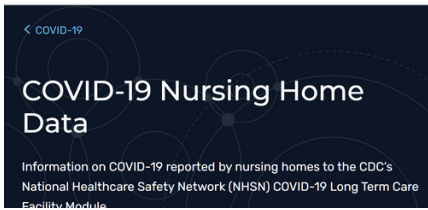
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