

Vaccine Construct

Pfizer, BioNTech Publish “Encouraging” Interim Phase I/II Data for COVID-19 Vaccine Construct

July 1, 2020

Pfizer and BioNTech said today the most advanced of four constructs of their messenger RNA (mRNA) vaccine candidate for COVID-19 showed encouraging immunogenicity and a favorable safety profile in preliminary Phase I/II data published in a preprint study.

What is a Construct?

Simply put a figment of your imagination designed to change your behavior.

A construct in the philosophy of science is an ideal object, where the existence of the thing may be said to depend upon a subject's mind. This contrasts with a real object, where existence does not seem to depend on the existence of a mind.

Construct, also called hypothetical construct or psychological construct, in psychology, a tool used to facilitate understanding of human behavior. All sciences are built on systems of constructs and their interrelations. The natural sciences use constructs such as gravity, temperature, phylogenetic dominance, tectonic pressure, and global warming. Likewise, the behavioral sciences use constructs such as conscientiousness, intelligence, political power, self-esteem, and group culture.

A construct derives its name from the fact that it is a mental construction, derived from the general scientific process: observing natural phenomena, inferring the common features of those observations, and constructing a label for the observed commonality.

Constructs are hypothetical. They exist as concepts but not as tangible entities. Some constructs, however, become so familiar and ingrained in common use that most people assume their manifest existence.

Constructs are the building blocks of scientific theories. Psychologists who are interested in studying and understanding human behavior are interested in identifying behavioral regularities and their causes. Constructs help research and applied psychologists to summarize the complex array of observed behaviors, emotions, and thoughts that people produce in their day-to-day activities.

The companies said the preliminary data, plus additional preclinical and clinical data now being generated, will help them determine a dose level and select among multiple vaccine candidates for a global Phase IIb/III safety and efficacy trial in, potentially, up to 30,000 healthy participants—a study set to start later this month.

Later this month are preliminary Phase I/II results from a German trial for BNT162b1.

BioNTech and Pfizer are evaluating four vaccine constructs of BNT162 in an mRNA-based clinical program the companies have dubbed “Project Lightspeed.”

BNT162b1 is the most advanced of the *four vaccine constructs* of [BNT162](#), one of 19 “*Front Runner*” programs among more than 250 COVID-19 therapeutics included in *GEN’s* updated “[COVID-19 DRUG & VACCINE CANDIDATE TRACKER](#).”

BNT162b1 is a lipid nanoparticle-formulated, nucleoside-modified mRNA (modRNA) vaccine candidate that encodes trimerized SARS-CoV-2 spike glycoprotein receptor binding domain (RBD) antigen.

Data in the preprint came from the ongoing U.S. Phase I/II trial ([NCT04368728](#)), a randomized, placebo-controlled, observer-blinded study designed to assess the safety, tolerability, and immunogenicity of escalating dose levels of BNT162b1, but of course since it is construct, a figment of your imagination, anything goes!

45 healthy adults studied

The initial part of the trial studied 45 healthy adults ages 18–55.

Because of a strong vaccine booster effect, the highest neutralizing titers were seen seven days after the second dose of 10 µg or 30 µg on day 28 after vaccination, the companies added. Neutralizing geometric mean titers (GMTs) of 168 and 267 were reported. These are just guessing, approximations, hypothesis, derived by AI, not proportion of vaccine recipients who respond in a prescribed manner.

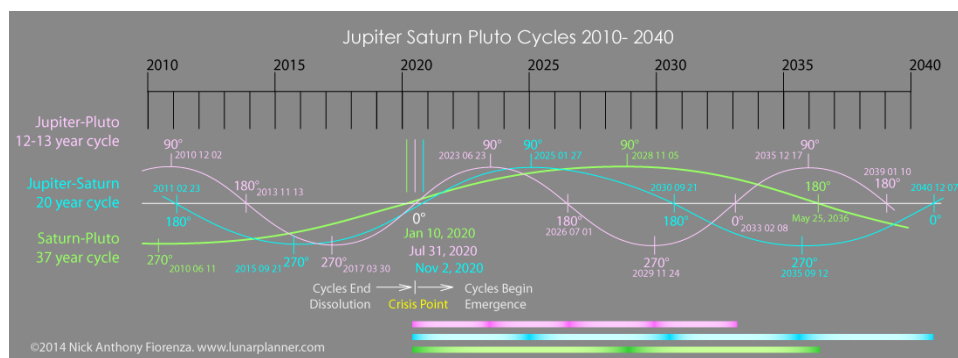
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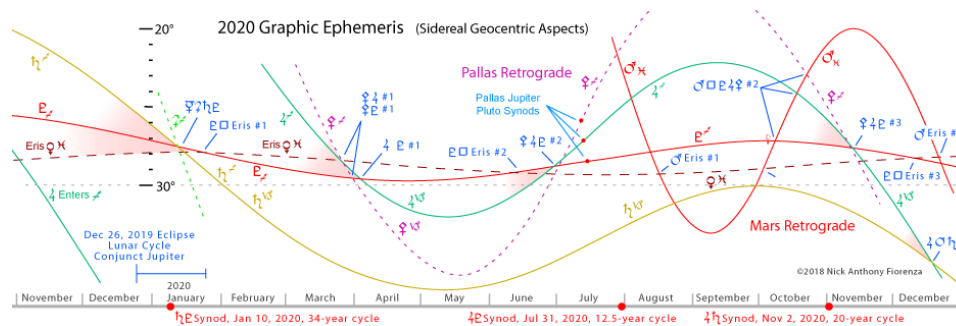
“An initial signal”

“These preliminary data are encouraging in that they provide an initial signal that BNT162b1 targeting.

Pfizer and BioNTech have declined to tap into U.S. government funding: “We believe we can move faster if we don’t have to involve a third party,” Pfizer CEO Albert Bourla said May 28 at during a [virtual briefing](#).

Bourla also said: “If things go well, **and the stars are aligned**, we will have enough evidence of safety and efficacy so that we can... **have a vaccine around the end of October.**”





- October 13, 2020 – Mars at opposition: the red planet will look at its brightest and best for all of 2020, and the best since 2003.
- October 14 -November 3, 2020 – Mercury in retrograde for the third time in 2020.
- The Jupiter-Saturn synod occurs on November 2, 2020, initiating a new 20-year cycle.
- December 21, 2020 – A “great conjunction” of Jupiter and Saturn: on the exact date of the winter solstice, the two planets will appear just 0.06° apart right after sunset. It’s not happened since the year 2000 and won’t happen again until 2040.
- These events also occur as they square Eris, which demarcates the last quarters of the Jupiter-Eris cycle, the Saturn-Eris cycle, and most significantly the Pluto-Eris ~359-year cycle that began in 1757 CE, at the time of the inception of the global financial system. Pluto's geocentric square with Eris occurs from January 2020 through October 2021. We enter the last quarter of the Pluto-Eris cycle in August 2020.

he second tone is set by the Pallas-Jupiter-Pluto synthesis. This tone overlays upon the first tone and begins in late March as Pallas, Mars, Jupiter, and Pluto conjoin. It continues throughout the synchronous retrogrades of Pallas, Jupiter, and Pluto, which extend through November of 2020. This tone accelerates and magnifies changes set in motion during the first tone. It brings emphasis to social justice, matters of social disparity, and impels us to redefine and elevate our social ideals and standards. Mars triggers this event, igniting this event (due to combining elements [æther-fire-fire]), and impelling audacious creative action in leadership (Mars' empowered expression). It can arouse fear of survival issues and behavior (Mars' lesser expression). Pallas impels us to mature from spiteful judgment, one-upmanship, and sidetaking. Pallas teaches us to participate beyond judgment of this side verses that; beyond victim consciousness. Pallas invites us to honor that we co-create all of life's experience, and that we have been on both sides of the fence at one time or another in our soul’s embracing incarnational experience. Pallas asks us to claim the wisdom from our past experience in duality, no matter what it was, and to use that experiential wisdom as a foundation of strength to express from. This is to have a solid Ti Chi stance, equally balanced on the left and right (spleen-liver / feminine-masculine). Pallas asks for artistic expression of our creative intelligence for solution beyond duality's paradox.

- The next tone is due to the Venus retrograde occurring in one of Venus' home signs, sidereal Taurus. This tone begins in late April and continues through July. (The Venus retrograde occurs from May 13 through June 25.) It impels us to redefine our values, what is of true importance. It brings emphasis to all matters of the heart, and it impels us to choose love and compassion over fear, judgment, and alienation. It also brings emphasis to personal and global economics, which is one facet of the social infrastructure, and to any financial changes or issues that may have risen at the start of the Societal

Reset. It also emphasizes home and family, and physical enterprises that establish a sustainable and prosperous future.

- The next tone is due to the Mars Retrograde, which conjoins Eris square to Pluto and Saturn. The Mars Retrograde also coincides with a Mercury retrograde, occurring in sidereal Libra. This tone begins to emerge in early August, at the same time as the start of the new Jupiter-Pluto 12.5-year cycle, and continues through the remainder of the year. (The Mars retrograde occurs from September 9 through November 14.) This tone is fiery and occurs in the watery depths of human consciousness, two elements that when combined are like molten lava emerging from the ocean floor. (I use this image metaphorically and do not imply volcanic activity.) This tone is complex with several facets. It may arouse and awaken deep emotions or fundamental fears that may have been in slumber. It impels us to redefine how we use our creative initiative and challenges us to rise from tumultuous currents of the past to create and attain a new future, a better world paradigm. This period may be revelatory, exposing denials and hidden agendas, but will ultimately open our eyes to see new possibilities and a greater reality we currently do not see, and this will be the impetus for audacious creative action and new forms of leadership to emerge throughout the years to come. The new Jupiter-Saturn 20-year cycle, which starts on November 2 and during the Mars retrograde, demarcates our entry into the next phase of societal development, discussed in more depth below.

All of this, the Societal Reset, delineates our entry into the new decade, "The Great Transformation." Some of the above may sound intense and may create challenges for humanity to face and surmount, but keep in mind that we are amid our old world paradigm's deconstruction, and this makes room for and provides the impetus for a new world paradigm to emerge.

<https://www.lunarplanner.com/2020/>

BNT162b1 or another BNT162 construct receive regulatory approval, the companies said, they expect to manufacture up to 100 million doses by the end of 2020 and potentially more than 1.2 billion doses by the end of 2021.