

## Post-Covid Manifestations and it's Correlation with God Gene

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**Abstract:** The COVID-19 pandemic that sent the entire world to a halt was caused by the novel coronavirus whose origins remain a mystery, while genetic analysis confirms that it has a zoonotic origin, nefarious entities like terrorist groups, fundamentalist religious groups, spyware companies have managed to weaponize the virus for their sinister agenda, which opens the possibility of the virus originating in a black market where state and non-state threat actors purchase and sell pathogens for mass biological warfare. Behavioral traits are encoded in our genetics as per several peer-reviewed research, belief or non-belief in God & the supernatural is also encoded in our genes, it is hypothesized that belief in God is part of our genes and is termed the God gene, people who do not believe in God do not have the God gene or it is dormant. In our previous research publications, we proved that post-COVID neuropsychiatric manifestations like Functional Neurological Disorder increase hypnotic susceptibility due to which several nefarious entities have weaponized be it for mass conversion, conversion therapy, or spyware applications.

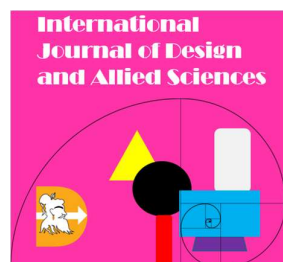
**Practical Implications:** In this paper, we would like to prove that a positive Covid 19 infection could potentially activate the God gene portion of the human genome which alters human behavior and induces faith in God.

**Keywords:** Behavioral Genetics; God gene; Hypnotic Susceptibility; Religious Conversions; VMAT2 gene

### 1. Introduction

The novel coronavirus SARS-CoV2 was first detected in Wuhan China due to a wet market incident in December 2019 (Dali, 2024), however, reports filed by researchers from Barcelona indicate that wastewater samples from March 2019 in Spain had the virus in it nine months before the Wuhan incident (Allen & Landauro, 2020). There were multiple reports of the virus being found in the waste waters of Europe (Woodward, 2021; Saplakoglu, 2020b; Lavars, 2020; BBC, 2020; Conversation, 2020) and Covid being found in ICU patients (Saplakoglu, 2020a) before the Wuhan incident which could indicate a circulation of the virus before the strains were detected in Wuhan. Renowned geneticist Dr. Peter Forster also proved that there is no proof that the virus originated in Wuhan. (Forster et.al., 2020).

Throughout the pandemic, spyware companies and their associates were found to be purposely increasing the spread of the virus for their nefarious means (Thalen, 2021; Lima-Strong & Schaffer 2022). The Wuhan lab was never the source of the virus and we have argued in our previous publications that the spyware companies should be investigated for the origin of the pandemic. The spyware companies in question have had ties to religious fundamentalist groups, conservative think tanks, and press outlets like The Daily Wire (Macleod, 2024; Michael Brown, 2023) who have used them to target



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members of the LGBTQ community (Yaron, 2020). It has been well documented that hypnosis has been used in criminal forensics (Kroger & Doucé 1980) and in the now-banned conversion therapy (Miller, 1963) to try and change people's sexuality in our previous research we have highlighted how post-Covid conditions increase hypnotic susceptibility.

Additionally, we have enough peer-reviewed research indicating that mobiles can be weaponized for hypnotism (Sucala et al., 2013; Olson, Stendel, & Veissière, 2020). We have multiple reports of fundamentalist groups using hypnotic techniques to convert people covertly (Jain, 2018), said fundamentalist groups have also been given access to such spyware technologies in India (2018) and Israel (2023). Keeping these facts in mind it is clear that the spyware companies are to be blamed for the pandemic.

People's behavioral traits are encoded in their genes (Plomin, 2000), it is argued by several scientists that belief in God has a genetic linkage (Hamer, 2005) and the gene sequences are known as the God genes. The behavioral traits associated with this are psychosis, neurosis, depression, and schizophrenia and the former three are known to be triggered by SARS-CoV2. It has been documented by peer-reviewed research that the Covid 19 virus has been affecting the human genome although the full extent of its effects on our genome is not yet understood. In this paper, we attempt to uncover the effects of the virus on the human genome and lay out a path for the next steps to fully uncover the results.

## 2. Methodology

To understand the mechanisms of VMAT2 and its relationship with Covid 19 and other pathogens & drugs we conducted a literature review of various research papers from various academic journals, conferences from prestigious publishers like Springer, Nature, Taylor & Francis, and others indexed across various search engines like Google Scholar, PubMed, Semantic Scholar. We also looked at various books and press articles that covered this topic and the related ones to it.

## 3. Behavioural Genetics and the God Gene hypothesis

The field of behavioral genetics argues that human behavior is dependent on environmental factors and genetic factors (Bouchard, 2004). Various behavioral traits and human psychology are dependent on the genetic makeup of the human being, this is why human beings behave differently even though they have the same environmental upbringing. There is an angle of heritability in not just behavioral but also psychological traits and this is seen across humans and cattle (Adamczyk et al., 2013). There are specific behaviors associated with spirituality and belief in God. Schizophrenia (Grover, Davuluri, & Chakrabarti, 2014), psychosis (Jones, Kelly, & Shattell, 2016), depression (McCullough & Larson, 1999), neuroticism-like anxiety (Schwab & Petersen, 1990), PTSD (Falsetti, Resick, & Davis, 2003) have all been associated with belief in God or as a trigger point for belief in God. A peer-reviewed research paper even argues that Schizophrenia started with Christianity (Littlewood & Dein, 2013). In the below sections, we will be looking at the God gene its functions, and its role in various disorders.

### 3.1. God Gene Hypothesis: Genetics of Belief and Its Behavioral Traits

It is widely argued among several scientists that belief in God and the supernatural is hardwired into our genes and genetics play a major role in faith. This hypothesis is termed the God gene hypothesis (Silveira, 2008), while some argue that spirituality is not due to a single gene but a set of complicated genes other scientists like Geneticists Dean Harmer argue that it is due to a specific gene called the Vesicular Monamine Transporter 2 gene (VMAT2). While Harmer's claims were not published in a peer-reviewed journal others have studied this gene and its role in spirituality (Goldman, 2004).

### 3.2. Neurochemistry of VMAT2 Gene

VMAT2 gene has specific roles within the neurochemistry of the human brain, it is responsible for carrying the dopamine, serotonin, and other monoamine neurotransmitters in vesicles that are then released in the synapses of neurons. VMAT2 plays an important role in the release of the neurotransmitter GABA (gamma-aminobutyric acid,  $\gamma$ -aminobutyric acid).

There are studies where VMAT2 has been selectively knocked out which has resulted in depletion of serotonin levels which has been linked to depressive symptoms (Narboux-Nême et al., 2011). VMAT2 gene and its variants have been linked to Parkinsonism. (Wang et al., 2024) and Huntington's disease, inhibitors of this gene have been used to treat the

latter in experimental therapies (Chen et al., 2015). Experimental knockout of VMAT2 gene in mice resulted in reduced amphetamine reward making them unlikely to get addicted to it but increased MPTP toxicity (Takahashi et al., 1997).

Additional studies also show that knockout of this gene can result in increased chances of neonatal death and dependency on cocaine (Wang et al., 1997). Increased expression of VMAT2 mRNA has been shown to protect against methamphetamine toxicity (Lohr et al., 2015).

VMAT2 is associated with conditions that cause belief in God like psychosis, schizophrenia (Connolly et al., 2024), and neurosis (Vaht et al., 2016). While it does not directly cause depression, any alteration to the levels of it (either increase or decrease) can trigger depression.

### ***3.3. Factors That Increase the Expression of VMAT2 mRNA***

Helicobacter Pylori is known to increase Gastrin levels in the gut and gastrin is known to increase the expression of VMAT2 mRNA (Gerhard et al., 2001) as per a few studies. H. Pylori is also a factor in causing Schizophrenia (Liao et al., 2014). Drugs like cocaine (Schwartz et al., 2007), and lithium Cordeiro, Gundersen, and Umbach (2002) are known to increase the expression of VMAT2 temporarily. As per certain studies, a positive COVID-19 infection is known to increase the expression of VMAT2 mRNA (Mancini et al., 2023) however a significant increase is only observed in the EU variant among delta, omicron, and other variants (Cappelletti et al., 2023).

## **4. Covid 19- Its Neuropsychiatric Manifestations**

Post-Covid conditions like psychosis, neurosis, depression and not only increase hypnotic susceptibility but also are known to be linked with belief in the supernatural and belief in God. In addition to these three in certain cases, COVID-19 also causes Schizophrenia which is also linked to belief in magical beings and supernatural phenomena. We will discuss each of these conditions in detail along with its links to Covid 19 and hypnotic susceptibility.

### ***4.1. Post Covid Neurosis***

COVID-19 is known to increase neuroticism in particular anxiety-related disorders are being reported among long Covid survivors (Uzunova, Pallanti, & Hollander, 2021). There is peer-reviewed research indicating that people who suffer from neurosis, especially anxiety have an increased susceptibility (Bliss, 1984; Lang & Lazovik, 1962).

### ***4.2. Post Covid Psychosis***

COVID-19 triggers the onset of psychotic episodes (Watson et al., 2021) as per several reports. Researchers have reported visual auditory (Clouden, 2020), and even tactile hallucinations (Haj, LarØi, & Gallouj, 2021), increased psychotic tendencies, and delusory thoughts (Parra et al., 2020). As per several peer-reviewed publications people suffering from psychosis are highly susceptible to suggestions (Vingoe and Kramer, 1966).

### ***4.3. Post Covid Depression***

People who even had a mild case of Covid 19 are reporting depressive symptoms (Renaud-Charest et al., 2021). We have observed similar symptoms after a viral respiratory illness and it is considered that flu and cold viruses increase depressive symptoms (Coughlin, 2012). It is reported in peer-reviewed research that depression increases hypnotic susceptibility (McCloskey, Kumar, and Pekala, 1999).

### ***4.4. Post Covid Functional Neurological Disorder and Parkinsonism***

Functional Neurological Disorder is also known as Conversion Disorder a term coined by, it is a somatization disorder and it is called Somatic Symptom disorder. Covid 19 triggers and specifically in the context of Covid 19 it is called a Psychogenic Non-Epileptic Seizure/Somatic Cough Syndrome/Psychogenic Cough or Croup (Weinberger, Buettner, & Anbar, 2023). Some other viruses and bacteria can trigger it (Zoorob, Sidani, & Murray, 2011) and it has been well-

documented in medical literature and has been proven to increase hypnotic susceptibility (Connors et al., 2024). The tics associated with this disorder act as autohypnotic/post-hypnotic suggestions (Ali et al., 2015; Roelofs et al., 2002) and can be triggered via external stimuli (auditory, visual, tactile, etc.) (Thompson et al., 1992) that can cause stress, anxiety, fear arousal, etc. This condition is also linked to Parkinsonism and Functional Neurological Disorder is found in almost all patients with the disease (Onofrj et al., 2022).

#### 4.5. COVID-19 and Schizophrenia

Many publications indicate that COVID-19 causes Schizophrenia (Pourfridoni & Askarpour, 2023) like symptoms, this is not surprising because we have enough proof that it triggers psychosis. There are also reports of COVID-19 altering the human genome and how this can trigger Schizophrenia like symptoms (Alemany-Navarro et al., 2023).

### 5. Overlap between VMAT2's and COVID-19's Neuropsychiatric Manifestations

As discussed in the above sections we can see that the several conditions caused by Covid 19 have a direct link to VMAT2. Till date only two publications exist talking about the effect of VMAT2 mRNA levels on post-COVID patients and from them we do know a positive infection causes a slight increase in the expression of VMAT2 mRNA. This cannot be taken as a conclusion that a Covid 19 infection increases the chance of belief in God or the supernatural, however, the evidence does point in that direction. As per a Pew Research Center survey a large number of non-religious people turned religious during the pandemic Center (2021). Renowned Atheist and celebrated women's rights activist Ayan Ali Hirsi converted to Christianity during the pandemic. We do need more scientific studies in this area to explore the true effects of the virus and it would finally provide evidence of the criminal intent of religious leaders purposely spreading the pandemic. The below table summarizes the overlap between the psychiatric conditions of VMAT2 and Covid 19. (Table 1)

**Table 1:** Neuropsychiatric Conditions and their Relation to SARS-CoV2, VMAT2, and Hypnotic Susceptibility

<u>S.No</u>	<u>Condition</u>	<u>Triggered by/Triggers</u> <u>SARS-CoV2</u>	<u>VMAT2</u>	<u>Hypnotic Sus-</u> <u>ceptibility</u>
1	Psychosis	Yes Clouden (2020); Haj et al. (2021); Watson et al. (2021)	Yes Connolly et al. (2024)	Yes Vingoe & Kramer (1966)
2	Neurosis	Yes Uzunova et al. (2021)		
3	Depression	Yes Renaud- Charest et al. (2021)	Yes Vaht et al. (2016)	Yes Bliss (1984)
4	Schizophrenia	Yes Pourfridoni & Askarpour (2023)	Yes Narboux- Nême et al. (2011) Yes Connolly et al. (2024)	Yes McCloskey et al. (1999)
5	Functional Neurological Disorder/Parkinsonism	Yes Weinberger et al. (2023)	Yes X. Wang et al. (2024)	No Lavoie et al. (1978) Yes Roelofs et al. (2002)

### 6. Memetics, Internet Memetics and Its Role in The Spread of COVID-19

Memes are ideas, images, and trends that spread from one person to another and become the defining points of a culture during a specific period. The term was coined by Richard Dawkins and the study of cultural evolution that bases a meme as a subunit of culture is called memetics. Memes like genes are selfish replicators and many spread because of their usefulness to their hosts (Fomin, 2019).

Like genes can couple together and form geneplexes, memes form memeplexes and examples include religions, languages, cultural festivals, financial institutions, etc.

### 6.1. Internet Memetics

Memes are popular on the internet where people use songs, images, and other cultural iconography to make fun of and make a statement on ongoing political, and non-political statements. Trends on social media like Harlem Shake were popularized across the globe where people recorded themselves doing specific dance movements (Solon, 2013). **Figure 1** shows a collage of various famous memes from the internet.

Anti-vaxxers and terrorist organizations capitalized on this during the pandemic and started specific memes to increase the spread of the virus. They spread fake news on vaccines by using terms like clotshots, microchips, and 5G and used fearmongering tactics to increase the spread of the virus and cause havoc in developed countries. This led to a loss of lives across the globe (Basch et al., 2021).



**Figure 1.** A collage of various famous memes from the internet

## 7. Spyware, Hypnosis, and Its Misuse

Spyware companies like Pegasus and Cellebrite have fallen into the wrong hands and have been misused by Christian fundamentalists. The spyware companies have also been increasing the spread of the COVID-19 virus which does increase hypnotic susceptibility. It is well known that hypnosis has been used in conversion therapy and criminal forensics, however in this case it has been heavily misused and wrongfully targets the LGBTQIA community.

These spywares have also been used by Christian and Islamic fundamentalists to wage a first-of-kind Cyber biological warfare on other nations with the intent to wreak havoc on their infrastructure and for mass religious conversions. Spyware in the hands of cults have been used to harass journalists, victims of rape and to keep their followers in check. Tyrannical regimes like Russia, Saudi Arabia, and Israel have used such spywares to target journalists, and victims and murder them in broad daylight. Covid 19 plus Spywares with a combination of mimetics, and acoustics have been used to brainwash people into committing crimes, acts of violence, and other heinous acts on a mass scale. We have barely scratched the tip of the iceberg in this massive global scandal.

## 8. Conclusions & Future work

This article aimed to review the existing data on Covid 19 and its potential relation to the God gene and further investigate the criminal intent of religious fundamentalists and their ties to spyware companies. This also exonerates the Wuhan Institute of Virology and the Eco Health alliance of any blame as they are run by atheists who have no interest in converting people or inducing spiritual beliefs in others. We need the help of investigative agencies, the WHO, and the NIH to summon the leaders of the NSO Group, BlackCube, Cambridge Analytica, etc., and conduct a thorough criminal investigation on them to begin the discovery of the origins of the pandemic.



As part of our future studies, we would like to recruit people who have got COVID-19 and people who have never gotten the virus and analyze the VMAT2 mRNA levels and see if a positive COVID-19 infection does increase the expression of VMAT2 mRNA.

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