QURAN FACTS

A Scientific Overview

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Note: This book is dedicated to my wife Zisan IRMAK.
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1. Virgin Birth of Jesus

The verse 3:37 defines the development of Mary as a beautiful plant; and in 66:12 Virgin Mary is called “Him.” These verses indicate that both egg and sperm cells come from Mary in the virgin birth of Jesus.

How is it possible?

Virgin Mary is a chimera of 46,XX/46,XY type resulting from the fusion of two embryos of different sex types and both ovarian and testicular tissues develop in her body as seen in a plant (Figure 1). In another word, she develops from the fusion of dizygotic male and female twins and she has both reproductive cell types (egg and sperm cells) in her body. Since XX cells tend to gather on the left side while XY cells on the right, an ovary develops on the left side with a patent oviduct and a testis develops at the right side of the abdominal cavity with no duct due to inadequate male hormone levels at the site. Therefore, tubules of the testis have an open access to the abdominal cavity allowing the sperms to be picked-up by the contralateral oviduct. Since local temperature is lower at the right side than the left one because of the differences in the speed of venous drainage (at the left side, slower drainage to the renal vein with a right angle; and at the right side, faster drainage to the vena cava inferior with an oblique angle result in different gonadal temperatures at the two sides of the abdomen), the cool testis is functional at the right side of the abdominal cavity. Both gonads are therefore functional and produce egg and sperm cells respectively after puberty. At the time of ovulation, estrogens increase the motility of the oviduct on the left side which results in a negative pressure in the tube and both egg and sperm cells are picked-up into the tube with the help of this vacuum effect, taking both cell types into the fertilization site in the oviduct. We know that warmer eggs prefer Y-bearing sperms to give rise to a male embryo, while cooler eggs prefer X-bearing sperms to give rise to a female embryo. Because of the higher temperature of the egg derived from the left ovary in Mary, fertilization occurs with a Y-bearing sperm to give rise to a XY male embryo which becomes miraculously Jesus.

![Figure 1](image)

**Figure 1.** A plant has both eggs (oocyte) and sperm cells in its flower. Virgin Mary has also both cell types in her body as implied in Quran.

Reference
2. Birth of St. John with no maternal genome

Following verses indicate the birth of St. John with no maternal but with two paternal genomes from his father Prophet Zachary.

3:39. Then the angels called out to him, as he stood praying in the sanctuary: “God gives you good news of John; confirming a Word from God, and honorable, and moral, and a prophet; one of the upright.” 40. He said, “My Lord, how will I have a son, when old age has overtaken me, and my wife is barren?” He said, “Even so, God does whatever He wills.” 41. He said, “My Lord, give me a sign.” He said, “Your sign is that you shall not speak to the people for three days, except by gestures. And remember your Lord much, and praise in the evening and the morning.”

19:7. “O Zachary, We give you good news of a son, whose name is John, a name We have never given before.” 8. He said, “My Lord, how can I have a son, when my wife is barren, and I have become decrepit with old age?” 9. He said, “It will be so, your Lord says, ‘it is easy for me, and I created you before, when you were nothing.’” 10. He said, “My Lord, give me a sign.” He said, “Your sign is that you will not speak to the people for three nights straight.”

21:90. So We answered him, and gave him John. And We made his wife convenient for him.

St. John is given to his father, not to his mother. The pregnancy for St. John seems to occur with three days of aphasia (no speaking) of Zachary, and this event confirms the birth of Jesus whose birth occurs without a father.

How is it possible?

The wife of Zachary suffers from infertility possibly because of the empty eggs (without nucleus). Therefore, an anuclear egg cell from the wife of Zachary is fertilized by two sperm cells from Zachary. All DNA content of embryo thus come from the father and St. John does not have any genome from his mother. This event confirms the Virgin Birth of Jesus in that, birth of Jesus occurs without a father, while St. John has no maternal genome. An important point of the issue is that Zachary can not speak to the people for three days, a symptom which is called aphasia.

The term aphasia designates impairment in the primary domains of language that may be manifest in spoken and written comprehension and production but can not be explained by motor, sensory, or generalized cognitive deficits. One protein involved in pathologic processes that represent the basis for aphasia is tau protein. Tau is present in both sperm cells and language-related areas of the brain, and immune responses to sperm have a significant association with language dysfunction. In the case of Zachary, while a group of the sperm cells are gaining a different (egg cell) character before fertilization in his genital tracts, this event induces an immune response to tau protein in the sperm cells. When antigen-specific T cells cross the blood-brain barrier and react with neurons expressing the tau protein, they induce changes in the language-related areas of his brain, leading to the aphasia in Zachary for three days. After such a process, an empty egg cell (with no nucleus) of his wife is fertilized by two sperm cells from Zachary one of which has gained the egg cell properties. As a result, an embryo develops with no maternal genome which becomes miraculously St. John.

Note: Embryos that have only sperm-derived paternal genomes can sometimes develop in humans. In most cases, one sperm fertilizes an empty (anuclear) oocyte followed by duplication of the haploid paternal genome. A small fraction, however, have two different sets of paternal chromosomes indicating fertilization by two sperms. However, a fetus is either not present, or malformed and not viable in these pregnancies due
to several factors including genomic imprinting. Similar factors that may prevent the pregnancy in the case of St. John seem to be overcome by the process resulting in Zachary’s transient aphasia.
3. Birth of Jacob as a copy of his father Isaac

Following verses indicate the birth of Jacob as a copy (clone) of his father Isaac:

2:132. And Abraham exhorted his sons, and Jacob, “O my sons, God has chosen this religion for you, so do not die unless you have submitted.”
6:84. And We gave him (Abraham), Isaac and Jacob.
11:71. His (Abraham’s) wife was standing by, so she laughed. And We gave her good news of Isaac; and after Isaac, Jacob.
19:49. We granted him (Abraham) Isaac and Jacob. And each We made a prophet.
21:72. And We granted him (Abraham) Isaac, and Jacob as an extra gift; and each We made righteous.
29:27. And We granted him (Abraham) Isaac and Jacob.

Actually, Isaac is the father of Jacob; while Abraham is the grandfather of Jacob. But the verses imply that Abraham is the father of both Isaac and Jacob, or Abraham is both grandfather and father of Jacob. A different point from the case of St. John is that Isaac and Jacob are given to both Abraham and to Abraham’s wife which indicates maternal contribution of Abraham’s wife, but no genomic contribution from Isaac and Isaac’s wife.

How is it possible?

An egg from the wife of Isaac is fertilized by an unreduced (2n) sperm from Isaac. The mother nuclear DNA is then entirely extruded and only the sperm nucleus of Isaac remains and becomes the nucleus of the zygote. Thus, DNA content of Jacob is identical to the DNA content of Isaac’s somatic cells, so Jacob becomes the clone (copy) of his father Isaac. In other words, Jacob is both the son and the grandson of Abraham.

Note: This event is called androgenesis and naturally occurs in certain organisms such as freshwater clam, in which offspring are clones of their father. Androgenesis in this animal is characterized first by the fertilization of an oocyte by an unreduced biflagellate spermatozoon. The maternal nuclear DNA is then entirely extruded as two polar bodies and only the 'male' pronucleus remains and becomes the nucleus of the zygote. DNA content of embryo is identical to the DNA content of paternal somatic cells.
4. Genome transfer through breast-feeding

The verse 4:23 states that ‘Forbidden for you are your mothers, your daughters, your sisters, …. your foster-mothers who nursed you, your sisters through nursing, …’ and indicates the transfer of mother genome into her baby by breast-feeding and thus opportunity for a natural gene therapy through breast-feeding by a healthy wet-nurse or foster-mother (breast-feeding by another woman).

How is it possible?

Mother genes are enclosed in breast milk microvesicles as mRNA molecules (Figure 2). After suckling, these mRNA molecules are distributed into the baby’s cells and transformed into DNA molecules by an enzyme present in the microvesicles, after which these DNA molecules integrate into the genome of the baby. In this way, milk microvesicles transfer genetic information from mother to neonate during breastfeeding. Moreover, transfer of mRNA molecules from a healthy wet-nurse to the suckling neonate through the milk microvesicles and its subsequent reverse transcription and integration into the neonate genome could result in permanent correction of the clinical manifestations in genetic diseases.

Mechanism for a natural gene therapy through wet-nursing

Neonatal gene therapy by wet-nursing in neonates begins at days 1-2 of life. Breast milk microvesicles tolerate the gastric environment of the infant, the pH of which is about 5 and decreases with time to reach adult levels (pH 1-3) at 2 years of age. After trancytosis from the intestinal epithelial cells by caveolar endocytosis, microvesicles are collected by the lymphatic vessels of the abdominal region and pass to the systemic blood via the thoracic duct as in chylomicrons. Immature nature of the immune system of the neonate coupled with the extensive glycosylation of the microvesicular membrane proteins renders them nearly invisible to immunoreactive cells, neutralizing antibodies and complement lysis. Caveolar endocytosis also overcomes the cellular barriers thereby delivering the microvesicles including mRNAs of wet-nurse to the neonatal cells without any change. Through endoplasmic reticulum of cells, mRNA is released and translocated into the nucleus directly together with reverse transcriptase. In the nucleus, the linear copy of the RNA is inserted into chromosomal DNA with the aid of cellular endonuclease and transcribed into a double-stranded DNA by the microvesicular reverse transcriptase. After integration with the neonate genome, new DNA achieves the status of a cellular gene and replicated by cellular enzymes in concert with chromosomal DNA. In this way, all mRNA transcripts from the wet-nurse can be expressed in the neonate treating almost all kinds of genetic diseases. Enhanced rate of cell division at the time of neonatal period easily allows the integration of new genes and result in the amplification of the genetically modified cells.
Figure 2. Breast milk microvesicles containing mother mRNA molecules form directly from the upper parts of the mammary epithelial cells or indirectly from the cytoplasmic crescents of milk fat globules (MFG) by shedding. After suckling, these mRNA molecules are distributed into the baby’s cells and transformed into DNA molecules by an enzyme present in the microvesicles, and integrated into the genome of the baby.

Reference
5. Worship - Health link

Daily prayer is the cornerstone of religious practice in Islam. The one who wants to establish these prayers must be physically clean with ablation (Verse 5:6). Ablution is required before all prayers and needs to be refreshed after sleep and any waste is excreted from the body. Ablution is quite a simple procedure and its craniofacial aspects are performed as detailed below:
- Rinse the mouth out three times,
- Rinse the nostrils with water three times,
- Wash the face three times,
- Using wet hands, rub them over the top of the head,
- Using wet fingers, wipe the inside and outside of the ears, and the nape (back of the neck).

Brain cooling system

Brain is protected from thermal damage by a so-called radiator system: brain cooling system. When humans are under heat stress, high brain temperature triggers brain cooling system, which will reduce brain temperature. That’s important since a slightly overheated brain can bring on convulsions, fainting, and brain damage. Two kinds of veins and a number of craniofacial surfaces (scalp, face, nape, ears, mouth and nose) (Figure 3) are the major components of this system. As the men get hotter, the veins of this radiator system bring in blood that is cooled as its heat radiates away through evaporation of water (sweat or mucus) from these surfaces. Activation of brain cooling system thus protects the brain from thermal damage.

One can easily notice the similarity between the craniofacial regions important in brain cooling system and the regions washed or wetted with ablution (Figure 3). So washing the face, mouth, nose, and wetting scalp, ears and nape 4-5 times a day help the brain to remain cool throughout the day. This obviously means that with ablution cooler the head, healthier the brain. However, when a person is erect, the basal surface of the brain is in close contact with the cranial bones and therefore cerebrospinal fluid (CSF) could not cool the basal parts of the brain in erect position. Of course the relations of CSF to the skull and the brain are reversed when a person stoops (such as bowing and prostrating) allowing the CSF to intervene between the brain and the skull. Therefore stooping (as Muslims do about 120 times a day with prayer) would be beneficial for cooling the brain entirely by providing the CSF to wash-up the basal parts of brain. As for the other benefits of prayer, grounding is another aspect which provides a basis that restores and maintains natural electrical contact between the human body and the earth.
Figure 3. Craniofacial regions important in selective brain cooling. The blood destined for the brain is cooled by these evaporating surfaces of the head. Notice that the same areas are washed or wetted in ablution.

Reference
Irmak MK, Korkmaz A, Erogul O. Selective brain cooling seems to be a mechanism leading to human craniofacial diversity observed in different geographical regions. Med Hypotheses 2004; 63: 974-979.
6. World of demons


Demons are intelligent and unseen creatures that occupy a parallel world to that of mankind (72:1-5). They were created before humans (15:27). In many aspects of their world, they are very similar to us. They marry, have children and they die (55:56,74); the life span however, is far greater than ours (Ref. 2). Through their ability of flying and invisibility, they are the chief component in occult activities (27:39). They can also possess and control the minds and bodies of humans (114:5). When the demon enters the human body, they settle in the control center of the body – the brain. Then they manifest themselves and take control of the body through the brain. Demonic possession can manifest with a range of bizarre behaviors which could be interpreted as a number of different psychotic disorders with delusions and hallucinations. They therefore cause symptoms such as hearing voices and certain delusions. Delusions of schizophrenia such as “My feelings and movements are controlled by some others” and “They put thoughts in my head that are not mine” also seem to be thoughts that stem from the effects of demons on the brain. In schizophrenia, the hallucination seems to be an auditory input also derived from demons and the patient hears these inputs not audible to the observer. The hallucination in schizophrenia is therefore an illusion - a false interpretation of a real sensory input formed by demons. This input seems to be construed by the patient as “bad things”, reflecting the operation of the nervous system on the poorly structured sensory input to form an acceptable percept. On the other hand, auditory hallucinations expressed as voices arguing with one another and talking to the patient in the third person seem to be a result of the presence of more than one demon in the body.

Note: Demons also become visible to narcotic users who define their presence as ‘Shadow People’. Moreover, both narcotics and schizophrenia seem to be convenient “covers” for the possibility that some people targeted by governments for mind control in certain projects as in JFK - RFK cases and ‘IS’ militants (Ref. 3). However, no need to be afraid of demons, since they are not more clever than humans (Verse 34:14). Affected people can get rid of them by reciting certain verses and following a ‘That’s a Lie’ program developed by Swiney (Ref. 4).

References
2. See the life of Nobel Prized American mathematician John Forbes Nash in the film ‘Beautiful Minds.’
3. Tamirisa C. Mind control and schizophrenia.
4. Swiney S. ‘That’s a Lie’ Program: https://keyholejourney.wordpress.com/
7. Twelve Planets around the Sun

The verse 12:4 indicates that there exist twelve planets around the Sun. The verse states ‘Joseph said to his father, "O my father, I saw (in a dream) eleven planets, and the sun, and the moon; I saw them bowing down to me". In the verse, Prophet Joseph mentioned 11 planets. He had 11 brothers, totally they were 12 siblings. This verse therefore points to the presence of 12 planets.

The Solar System comprises the Sun and the planetary system that orbits it. According to the classification of the International Astronomical Union (IAU), of those objects that orbit the Sun, the largest eight are the planets, with the remainder being significantly smaller objects, such as dwarf planets and small Solar System bodies such as comets and asteroids. The definition of planet in 2006 by the International Astronomical Union (IAU) states that: Planet is a body that circles the sun without being some other object's satellite, is large enough to be rounded by its own gravity and has "cleared its neighborhood" of most other orbiting bodies. The four smaller inner planets, Mercury, Venus, Earth and Mars, are terrestrial planets, being primarily composed of rock and metal. The four outer planets are giant planets, being substantially more massive than the terrestrials. The two largest, Jupiter and Saturn, are gas giants, being composed mainly of hydrogen and helium; the two outermost planets, Uranus and Neptune, are ice giants, being composed largely of substances with relatively high melting points such as water, ammonia and methane. All planets have almost circular orbits that lie within a nearly flat disc called the ecliptic.

If an object fulfils the first and second criteria - e.g. it orbits the sun and is spherical, but doesn't dominate the space around it then it's a "Dwarf Planet". There are currently five officially classified dwarf planets in our solar system. They are Ceres, Pluto, Haumea, Makemake and Eris. Ceres is located inside the asteroid belt between the orbits of Mars and Jupiter, while the other dwarf planets are located in the outer solar system. The largest dwarf planet is either Pluto or Eris, followed by Makemake, Haumea and Ceres being the smallest dwarf planet. The order of the dwarf planets from closest to the Sun outwards is Ceres, Pluto, Haumea, Makemake and Eris is the furthest from the Sun.

**Ceres:** The dwarf planet Ceres is also the largest asteroid in the solar system. Ceres is the earliest-known and smallest of the current category of dwarf planets. Ceres is located inside the asteroid belt between the orbits of Mars and Jupiter. It is only 950 km in diameter. In fact, Ceres is so small that it is classified as both a dwarf planet and an asteroid, and is often named in scientific literature as one of the largest asteroids in the solar system.

**Pluto:** Pluto is the most well-known of the dwarf planets. Since its discovery in 1930 and until 2006, it had been classified as the ninth planet from the sun. Pluto's orbit was so erratic, however, that at times it was closer to the sun than the eighth planet, Neptune. In 2006, with the discovery of several other rocky bodies similar in size or larger than Pluto, the IAU decided to re-classify Pluto as a dwarf planet. Despite its small size Pluto's gravity is enough to capture five moons of its own.

**Haumea and Makemake:** Haumea and Makemake are the most recently named dwarf planets in the solar system. Haumea is unique because of its ellipsoid shape, only just meeting the hydrostatic equilibrium criteria for dwarf planet status. The elongated shape of the dwarf planet is due to its rapid rotational spin, not a lack of mass, which is about one-third that of Pluto. The cigar-shaped dwarf planet rotates on its axis every four hours, likely a result of a collision. Haumea hosts more than one moon. Makemake is also unique among the known dwarf planets, being the only one of those discovered so far to lack a satellite.

**Eris:** When it was first discovered, Eris was thought to be the largest of the dwarf planets, with a mass 27 percent larger than that of Pluto and a diameter of approximately 2,300 km. The orbit of Eris is very erratic, crossing that of Pluto and nearly intersecting the orbit of Neptune, but is still more than three times larger
than Pluto’s orbit. It takes 557 years for Eris to orbit the sun.

The enormity of the impact of this distinction between a planet and a dwarf planet had an immediate victim. With the new definition, Pluto, which from its discovery in 1930 up until that year was considered the ninth planet in the Solar System, would now be stripped of that position and become a dwarf planet. The main problem for dwarf planets, besides their small size, is that they share their space with lots of other objects in their orbits. In comparison, the orbits of the remaining eight planets do not contain other celestial bodies, and they never cross each other’s path. The classification of dwarf planet was not without its share of controversy. Some planetary scientists objected to the third criterion of the planet definition because they believed a planet, and therefore a dwarf planet, should be judged based on its intrinsic qualities and not what is or isn’t in its neighborhood (orbital path). A group of scientists therefore believe that dwarf planets should be categorized as a “true planet” in the same way that gas giants (e.g. Jupiter) and terrestrial planets (e.g. Earth) are considered “planets”.

**Commentary:**
The verse points to the presence of 12 planets. It seems that so called dwarf planets are not separate entities from a true planet. The question may be settled by including the four dwarf planets (Pluto, Haumea, Makemake and Eris) into the planetary system as **true planets**. Asteroid Ceres should also be excluded out of the planetary system. So, here’s the new order of the twelve planets, starting nearest the sun and working outward through the solar system: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, Haumea, Makemake and Eris. As a different and easy classification: four inner terrestrial planets (Mercury, Venus, Earth, Mars); four middle giant planets (Jupiter, Saturn, Uranus, Neptune); and four outer Plutoid planets (Pluto, Haumea, Makemake and Eris).
8. Solar System as the First Heaven of Seven Heavens

Following verses indicate that there exit seven heavens in the universe:
- God created for you everything on earth, then turned to the heaven, and made them **seven heavens** (2:29).
- Then He completed them as **seven heavens** in two days, and He revealed to each heaven its functions (41:12).
- God created **seven heavens**, and the same number of earth. His commands descend through them (65:12).
- God created **seven heavens in harmony** (67:3).
- Don’t you see that God created **seven heavens in layers**? (71:15).
- We have built above you **seven strong (heavens)** (78:12).

The verse ‘We have adorned the **nearest heaven** with the beauty of the **planets**’ (37:6) indicates that the Solar System (The Sun and its planets) is the first heaven with respect to Earth.

The Solar System is located in the Milky Way, a spiral galaxy with a diameter of about 100,000 light-years containing about 200 billion stars. Almost all the individual naked-eye stars in the entire sky are part of the Milky Way. The Sun lies between 27,000 light-years from the Galactic Centre, and its speed within the Milky Way is about 220 km/s, so that it completes one revolution every 240 million years. This revolution is known as the Solar System's galactic year.

Along with some 50 other galaxies, the Milky Way and its immediate surroundings make up a cluster known as the **Local Group**. Two smaller galaxies and a number of dwarf galaxies in the Local Group orbit the Milky Way. The smallest dwarf galaxies of the Milky Way are only 500 light-years in diameter. The Local Group (a cluster of gravitationally bound galaxies containing, among others, the Milky Way and the Andromeda Galaxy) is part of a supercluster called the **Local Supercluster**, which is a component of the **Virgo Supercluster**. In the Virgo Supercluster, at least 100 galaxy groups and clusters are located within its massive 150 million light-year diameter. And a 2014 study indicates that the Virgo Supercluster is only a part of a greater supercluster, **Laniakea**. Superclusters are groupings of galaxies on very large scales that measure in the hundreds of millions of light years in diameter. In between these superclusters are large stretches of open space where space probes would encounter very little in the way of galaxies or matter. The Milky Way, along with everything else in the Universe, is moving through space. The Earth moves around the Sun, the Sun around the Milky Way, and the Milky Way as part of the Local Group is moving at approximately 630 km per second with respect to the local co-moving frame of reference.

**Commentary:**
Verses indicate that Solar System forms the first heaven (37-6), and remaining 6 heavens seem to be as follows: 2. Milky Way galaxy, 3. The Local Group, 4. Local Supercluster, 5. Virgo Supercluster, 6. Laniakea Supercluster, 7. Highest heaven: remaining parts of the universe.
9. Cosmic Doomsday by a Big Rip

A number of verses indicate that ultimate fate of the universe seems to be Big Rip (rupture). This scenario is foretold with different descriptions in the Quran as the events that are to occur on the Doomsday. In certain verses, cosmic fractures that will occur in doomsday are constantly repeated: When the sky splits apart (55:37); And the sky split asunder, and so, on that day it will be most frail (69:16); The sky will cleft open thereby (73:18); When the sky breaks apart, When the planets are scattered (82:1,2); When the sky is ruptured (84:1).

We live in a finite expanding universe which has not existed forever, and all the matter, energy and space in the universe was once squeezed into a small volume, which erupted in an "explosion" known as the Big Bang. As for the ultimate fate of the universe, a cosmological hypothesis called the Big Rip is proposed, in which the matter of the universe, from galaxies and stars to atoms and subatomic particles, is progressively torn apart by the accelerated expansion of the universe.

Measurements indicate that the expansion of the universe has been accelerating since the universe was about half its present age. To explain this acceleration, it requires that much of the energy in the universe consists of a component with large negative pressure, called "dark energy". If the universe has a large amount of dark energy (as recent findings suggest it may well have), then the expansion of the universe could theoretically continue forever. If the acceleration caused by dark energy increases without limit, the dark energy eventually will become so strong that it completely overwhelms the effects of the gravitational, electromagnetic and weak nuclear forces. Ultimately galaxy clusters, stars, planets, atoms, nuclei, and matter itself will be torn apart by the ever-increasing expansion in a so-called Big Rip.

In this scenario, the galaxies would first be separated from each other. Then stars and the Solar System would be gravitationally unbound. In the last minutes, planets would be torn apart, and an instant before the end, atoms and their nuclei would be broken apart. This separation, a "ripping" of stars, planets and atoms, leaves the universe entirely devoid of structure but the cosmic superfluid Ether. The verses indicate that ultimate fate of the universe seems to be a Doomsday by Big Rip.

Reference
10. The period after the Doomsday

The verses in Quran emphasize that while the universe is eventually going to end, God will not allow things of value to simply disappear: On the Day We fold the heaven, like the folding of written papers. Just as We initiated the first creation, We will repeat it - a promise binding on Us. We will perform it (21:104); Who originated the creation, then brings it back again, and it is easier for Him (30:27).

A scenario is presented here for the events that will occur after Doomsday in the light of the facts and clues foretold by the Quran. Only God, however, can know the exact form of present and future events.

What will happen after the Doomsday? Matter is dispersed, but it's present as cosmic superfluid Ether, just as before the Big Bang. The Ether (esir) is a universal connecting medium, filling all space to the furthest limits, penetrating the interstices of the atoms without a break in its continuity. God built up the universe from this superfluid and the universe moves through a sea of it. The verse ‘God created the heavens and the earth in six days while His Throne was upon the water’ (11:7) may point to superfluid of Ether. Ether seems to be a superfluid that condensed to puddles billions of years ago, seeding the galaxies we observe today. With the conception that the Ether is the primary form of all substance, that all other forms of matter are merely differentiations of it, then we can say that it will also form the basis of the permanent element of the Eternal World and we would be created from the superfluid of Ether again in the Afterlife. On that day, the Eternal World will be made up of the essential elements of this transitory world, and these elements will be given permanence.

Reference
11. Resurrection through embryonic cells

Human body is a composite of a biological organism and an intellective spirit. When evaluated together, the verses 2:233 and 46:15, indicate the beginning of personhood (ensoulment) at the end of 3rd lunar month (13th week) of development. On the 89th day of development after fertilization, spirit is ‘breathed-infused’ into the fetus together with cosmic superfluid ether (etheric or astral body of spirit). Etheric body acts as an interface for spirit to govern the physical body.

After death, the body decomposes and rots away into the ground. But, essential particles of humans do not disappear, since they are kept somewhere to be used for rebuilding during Resurrection. These essential particles, which are like plant’s seeds and called ‘the root of the tail’ in a Prophetic saying, might refer to embryonic stem cells kept for a while in the embryonic tail (allantois). Embryonic stem cells can produce any of the cell types of the body except placenta. A group of embryonic stem cells migrate out of the embryo into the allantois (the root of the embryonic tail) in the early developmental stages and reside there without differentiation (Figure 4). These cells carry all the information about the whole body, retain an unrestricted developmental potential and can give rise to all the tissues and cell types in the body. Thus, in a suitable environment, they can produce a human body. By not migrating into the embryo and staying outside in the allantois enables these stem cells to live without differentiation. Thus, in the early developmental stages, a group of embryonic stem cells each of which can give rise to a human body are set aside out of the embryo. They may serve as a foundation upon which God will resurrect (re-build or re-create) each individual on Judgement Day. The verses ‘He produced you from a single person, then a repository, then a depository’ (6:98); and ‘There is no moving creature on earth but its sustenance depends on God. And He knows where it lives and where it rests’ (11:6) may point to the embryonic stem cells kept somewhere until resurrection. The verses (36:53, 16:77) indicate that the Resurrection will happen in a single instant, without the passage of time. People will be resurrected instantaneously as spirits return to their bodies. Humans will be resurrected both bodily and spirituality; and both spirit and body will go to either Paradise or Hell. Other verses related to resurrection are as follows: 2:28; 6:94; 18:47,48; 36:51,79; 39:68; 45:26; 75:3,4; 81:7.

![Figure 4](image-url)
Reference
12. Plain of Resurrection and Gathering

The Earth has a special importance as the universe’s heart, center, core, and very reason for its creation. Despite its small size, it is frequently described as equivalent to the vast heavens: ‘the Master of the Heavens and the Earth.’ Therefore, on the Day of Judgement, it will assume a special form appropriate for to the Hereafter. It will be changed into its permanent form, and will be a station in the other world. One day, the meaning of ‘On the Day the earth will be changed into another earth, and so will be the heavens’ (14:48) will be realized and a New Earth will replace the present Earth. The verse ‘Mountains would begin to move, and Earth would be flattened’ (18:47) may indicate that the New Earth will be created as a smooth plain with no curve on it. So, the new Earth will become flat and all generations of humans will be resurrected on this New Earth. On that day, New Earth will empty its contents onto this plain and all humanity will be gathered before the court of God.

The Earth’s movement around the Sun is not aimless; rather, it draws the periphery of a huge circle outlining the extent of the Plain of Resurrection and Gathering. Just as a radiant dot becomes a radiant circle when spun quickly, the rapid and purposeful movement of the Earth will form this Plain. Thus, the Plain of Resurrection and Gathering will be built on the annual orbit of Earth as shown in Figure 6. This plain seems to be identical to the New Earth. Other verses related to the New Earth (Plain of Resurrection and Gathering) are as follows: 7:25; 20:105-107; 30:25; 50:44; 84:1-4; 86:11,12; 99:1,2; 100:9.

Reference
13. Paradise and Hell with 19

Paradise and Hell the realms in which we will either be rewarded or punished are two opposite outcomes of the tree of creation far into eternity. Paradise and Hell already exist, and on the Day of Judgement, the Hell will become apparent to humans with all its awfulness and the Paradise located over the seven heavens will become closer to the Plain of Resurrection and Gathering with all its beauty (26:90,91). Eternal Power will bring about the next life in this way, and the elements of Paradise and Hell will be separated from each other. The places of these outcomes will be on opposite ends of the chain; the degraded one – Hell on the lower end, and the luminous, sublime one – Paradise on the upper of the New Earth (Plain of Resurrection and Gathering). The signs and hints for these suggestions can be found in Quran.

As for the clues in Quran, we must consider the Quranic initials. There are 29 chapters in the Quran starting with 14 different, isolated letters called Quranic initials. They are believed to be miraculous ciphers that contain many secrets: They may point out certain future events and have relations to the invisible realms of existence. When the chapters with initials are organized as four rows each settled under the other aligned with identical gaps of three successive numbers (Figure 5), there appears a triangle on the left side with 19 units on two edges. This triangle can be divided into two parts at the number of 23, since American mathematician John Forbes Nash suggested that the number 23 stands between different realms. Just as a radiant dot becomes a radiant circle when spun quickly, this triangle forms a reverse conical shape when rotated 360 degrees. The lower part of this cone with the number 19 seems to represent the Hell, and the upper side represents the Paradise while the New Earth (Plain of Resurrection) is located between these two realms (Figure 6).

![Figure 5](image)

Figure 5. When the chapters with initials are organized as four rows each settled under the other aligned with identical gaps of three successive numbers, there appears a triangle on the left side with 19 units on two edges. This triangle can be divided into two parts at the number of 23 and it forms a reverse conical shape when rotated 360 degrees. The lower part of this cone with the number 19 seems to represent the Hell, and the upper side represents the Paradise while the New Earth (Plain of Resurrection) is located between these two realms.

Quranic initial letters also present many interesting numerical features. Every letter in the Arabic alphabet is given a different number. The numerical values for the 14 Quranic initials are given as follows:

\[
\begin{array}{cccccccccccc}
\text{ا} & \text{ه} & \text{خ} & \text{ج} & \text{ح} & \text{ي} & \text{ع} & \text{س} & \text{ص} & \text{ق} & \text{ر} & \text{ل} & \text{ن}
\end{array}
\]

Quranic initial letters also present many interesting numerical features. Every letter in the Arabic alphabet is given a different number. The numerical values for the 14 Quranic initials are given as follows:
It seems that miraculous numerical codes in regards to the number 19 exist. The verse 74:30 states that ‘Over the Hell is 19’. This verse seems to point to the Hell with number 19 on it (Figure 5). The total numerical value of the initial letters representing the Hell (verses: 2, 3, 7; 10, 11, 12, 13, 14, 15, 19, 20) is 1938, a multiple of 19 (19x102) which may pinpoint again the Hell.

When we take all the above considerations together, we can draw the picture of the Afterlife as shown in Figure 6. The New Earth will form the Plain of Resurrection and Gathering, Hell is on the lower end, and Paradise is on the upper end of this circle as a reverse cone.

Paradise is where the Divine Favor and Mercy manifest themselves while the Hell is where God’s wrath and awe are exhibited. Paradise is a realm of light that is unrestricted, broad, and eternal. Its people will be in countless places at the same time, talk with countless friends, receive pleasure in countless ways, and see the God possibly from the upper corners of Paradise (53:9). Other verses related to Levels of Paradise and Hell are as follows: 3:133; 4:145; 19:68; 25:13; 26:90,91; 37:64; 44:47; 50:31; 51:22; 53:7-10; 55:43,44; 57:21; 77:29-33; 81:11-13.

Reference:
14. Conclusion

We will have a destiny beyond our death, and our destiny will be linked with the destiny of the universe. That’s a big story of hope and only religion can provide a satisfying answer to it. We shall experience how smoothly our souls transcend from this realm to the other after death. Certainly, the ease or difficulty of these experiences and the sights that we shall encounter in other realms will all depend on our deeds in this mundane life. After facing the Judgment of God, we will be either admitted to Heaven by His mercy or driven into Hell by His justice.