

Ovaries in a Secure Corner... Testicles in a Humble Sac: An Inquiry into the Function of Form

N.B.

The Arabic version of this article is the reference.

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[المبيضان في ركن مكين.. والخصيتان في كيس مهين
بحث في الأسباب.. بحث في وظيفة الشكل](#)



This is an exploration into the function of form—a quest to uncover the underlying purposes behind the external placement of the testicles outside the male body, while the ovaries remain securely nestled within the female body.

The Conventional Explanation:

It is often claimed that sperm require cooler temperatures to survive, as they cannot tolerate the internal heat of the body. Heat, they argue, kills sperm, impairs their production, and increases genetic abnormalities. This explanation is heavily illustrated with diagrams and examples. Yet, had these proponents known the sperm's inherent capacity to adapt to body temperature, they would not have resorted to such claims. Sperm, if required, could adapt and astonish. Flexibility is the hallmark of living cells, and adaptation is a divine gift bestowed upon them.

My Perspective:

I find the true cause elsewhere. While prior theories describe the outcome—the final state of affairs—they fail to grasp the real reasons and purposes.

Fundamentally, the cooling of the testicles is a prerequisite for fulfilling their role. Consequently, the elements within the testicles—sperm and their progenitor cells (spermatogonia)—adapted to these lower temperatures. I reject the conventional explanation entirely. Below, I present evidence from the spirit of one who rejects the assumptions of this so-called "human" authority.

Why Are the Testicles Banished to a "Humble Sac"?

It is known that sperm are produced in the testicles, which reside in the scrotum—a fleshy pouch protruding outside the male body. In reality, the external placement of the testicles has one singular purpose: cooling. The temperature of the testicles and scrotum is 2–3°C lower than the body's core temperature—a universally accepted fact. Let this truth be the starting point of my inquiry.

First Purpose: Preserving Sperm's Energy Reserves

Sperm are produced in vast quantities, around the clock. They remain in constant motion, trapped within the testicles and spermatic ducts until ejaculation. During this waiting period, lowering the scrotal temperature by 2–3°C dampens the motility of stored sperm.

This significantly reduces their metabolic rate, thereby conserving their energy reserves. This conservation is critical during their "mission": a sperm with high energy reserves lives longer and has a greater chance of reaching and fertilizing the egg (oocyte).

Second Purpose: Suppressing the Testicular Immune System

To weaken the immune response in a living tissue, we cool it. Immune cells and their tools—antibodies and chemical mediators—function optimally at the body's core temperature, not in cooler environments, as confirmed by laboratory and clinical studies.

The immune system is tasked with defending the body against invaders. It operates within the body's native environment, calibrated to its temperature, pH, and other conditions. Any deviation from these norms disrupts immune function, as it does for all bodily systems.

The immune sentinels in the testicles and scrotum are no exception. As part of the whole, they succumb to the same rules. In the scrotum's chill, their efficacy dwindles; their weapons rust. Short-lived and unequipped to adapt to the cold, these cells cannot call for reinforcements—any aid sent would be equally hobbled by the environment.

The body wants to blind the immune system to the testicles' activities. Here, genetic mutations occur in sperm, and environmentally induced changes alter their DNA. Sperm are immunologically aberrant due to their ever-changing genes. A vigilant immune system would detect this "deviance" and destroy them, nullifying the benefits of such mutations.

Moreover, the environmental factors responsible for these genetic changes—viral, bacterial, or other vectors—are foreign to the human body. Naturally, the immune system would target and neutralize them, preventing their reach. But the body needs these factors to access the spermatogonia. Thus, immune suppression in the scrotum serves dual roles: facilitating the arrival of mutagenic agents and safeguarding the resulting mutated sperm.

Hence, the testicles are exiled outside the body—to harness cooling's power in crippling the immune system.

(Parenthetical Note)

The environmental factor is a genetic cipher—a "spell" composed by nature and delivered by carriers (porters) like viruses, bacteria, or unknown entities. These carriers, though pathogenic in human terms, are permitted passage to the spermatogonia, as the body tacitly collaborates with this process.

[Note: For insights into viruses as nature's genetic couriers, explore my analysis: The Novel Coronavirus: Beyond Behavior, Targeting Traits](#)

In Contrast: Eve's Existential Priority

For the female, the priority is preservation of standard traits of human—no compromise is permitted. Protecting the standard genetic blueprint of humanity requires shielding the egg-producing cells (oogonia) and eggs (oocytes) from exposure. Thus, the ovaries reside within Eve's warm core. The differences are threefold:

1. **Immunological Normality:** Each egg (oocyte) carries half of Eve's genetic code—unaltered and self-derived. Unlike sperm, eggs pose no immunological threat.
2. **Metabolic Restraint:** Eggs lie dormant within follicles (follicles), expending minimal energy compared to hyperactive sperm.
3. **Genetic Shielding:** Dormant eggs, encased in follicles, are insulated from environmental mutagens.

Note: For further details on Eve's role in preserving humanity's standard genetic traits, refer to my article: [Adam for Adaptation, Eve for Preservation](#)

(Critical Note on Oogenesis)

Oogonia begin their first meiotic division (meiosis I) during fetal development. The second division (meiosis II) occurs only after puberty, with each menstrual cycle activating dormant cells. The final product is one mature egg (oocyte) and three polar bodies.

The Grand Design

For Adam, the body collaborates with environmental factors to enable genetic adaptation. The scrotum's immune suppression allows mutagenic agents to reach spermatogonia, producing mutated sperm that drive human variability.

For Eve, the ovaries' internal fortress ensures genetic consistency—a sacred duty to preserve the species' template. Written in the spirit of one who sees beyond dogma.

The Evident Conclusion:

In Adam's case, to fulfill the role of enabling human adaptation to environmental conditions, the living organism conspires with environmental factors to facilitate the latter's access to their target: the sperm-producing cells (spermatogonia) within the testicles. This collaboration extends to the mutated sperm (mutated sperms) generated from this interaction.

The aim of this scheme is to suppress the immune defenses of the testicles, achieved through their cooling. The mechanism is profoundly ingenious: exiling the testicles beyond the body's boundaries. By doing so, environmental factors face no immune

surveillance as they journey toward their target in the testicles. Similarly, genetically mutated sperm encounter no overseer threatening their existence. Thus, genetic updates in sperm become an inevitable reality, and the acquisition of non-standard human traits—driven by these mutations—is secured for this human.

This is the silent pact between biology and environment, written in the language of evolution.

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In other contexts, one can also read the following articles:



[*The Spinal Reflex, New Hypothesis of Physiology*](#)



[*The Hyperreflexia, Innovated Pathophysiology*](#)



[*The Spinal Shock*](#)



[*The Spinal Injury, the Pathophysiology of the Spinal Shock, the Pathophysiology of the Hyperreflexia*](#)



[*Upper Motor Neuron Lesions, the Pathophysiology of the Symptomatology*](#)



[*The Hyperreflexia \(1\), the Pathophysiology of Hyperactivity*](#)



[*The Hyperreflexia \(2\), the Pathophysiology of Bilateral Responses*](#)



[*The Hyperreflexia \(3\), the Pathophysiology of Extended Hyperreflex*](#)



[*The Hyperreflexia \(4\), the Pathophysiology of Multi-Response Hyperreflex*](#)



[*The Clonus, 1st Hypothesis of Pathophysiology*](#)



[*The Clonus, 2nd Hypothesis of Pathophysiology*](#)



[*The Clonus, Two Hypotheses of Pathophysiology*](#)



The Nerve Transmission through Neural Fiber, Personal View vs. International View



The Nerve Transmission through Neural Fiber (1), The Action Pressure Waves



The Nerve Transmission through Neural Fiber (2), The Action Potentials



The Nerve Transmission through Neural Fiber (3), The Action Electrical Currents



The Function of Standard Action Potentials & Currents



The Three Phases of Nerve transmission



Neural Conduction in the Synapse (Innovated)



Nodes of Ranvier, the Equalizers



Nodes of Ranvier, the Functions



Nodes of Ranvier, First Function



Nodes of Ranvier, Second Function



Nodes of Ranvier, Third Function



Node of Ranvier, The Anatomy



The Wallerian Degeneration



The Neural Regeneration



The Wallerian Degeneration Attacks Motor Axons, While Avoids Sensory Axons



The Sensory Receptors



Nerve Conduction Study, Wrong Hypothesis is the Origin of the Misinterpretation (Innovated)



Piriformis Muscle Injection Personal Approach



The Philosophy of Pain, Pain Comes First! (Innovated)



The Philosophy of the Form (Innovated)



Pronator Teres Syndrome, Struthers-Like Ligament (Innovated)



Ulnar Nerve, Congenital Bilateral Dislocation



Posterior Interosseous Nerve Syndrome



The Multiple Sclerosis: The Causative Relationship Between The Galvanic Current & Multiple Sclerosis?



Cauda Equina Injury, New Surgical Approach



Carpal Tunnel Syndrome Complicated by Complete Rupture of Median Nerve



Biceps Femoris' Long Head Syndrome (BFLHS)



Barr Body, The Whole Story (Innovated)



Adam's Rib and Adam's Apple, Two Faces of one Sin



Adam's Rib, could be the Original Sin?



Barr Body, the Second Look



Who Decides the Sex of Coming Baby?



Boy or Girl, Mother Decides!



Oocytogenesis



Spermatogenesis



This Woman Can Only Give Birth to Female Children



This Woman Can Only Give Birth to Male Children



This Woman Can Give Birth to Female Children More Than to Male Children



This Woman Can Give Birth to Male Children More Than to Female Children



This Woman Can Equally Give Birth to Male Children & to Female Children



Eve Saved Human's Identity, Adam Ensured Human's Adaptation



Corona Virus (Covid-19): After Humiliation, Is Targeting Our Genes



Corona Virus (Covid-19): After Humiliation, Is Targeting Our Genes



The Black Hole is a (the) Falling Star?



Mitosis in Animal Cell



Meiosis



Universe Creation, Hypothesis of Continuous Cosmic Nebula



Circulating Sweepers

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-  [*Congenital Bilateral Thenar Hypoplasia*](#)
-  [*Ulnar Dimelia, Mirror hand Deformity*](#)

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The Delirium of the Economy

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