



BHAGAVAD GITA: Chapter 10, Verse 40

nanto 'sti mama divyanam vibhutinam parantapa
esha tuddehatah prokto vibhuter vistaro maya

na—not; antah—end; asti—is; mama—my; divyānām—divine; vibhūtinām—manifestations; parantapa—Arjun, the conqueror of the enemies; esha—this; tu—but; uddehatah—just one portion; proktao—declared; vibhūter—of (my) glories; vistaro—the breath of the topic; mayā—by me

yach chapi sarva-bhutanam bijam tad aham arjuna
na tad asi vina yat syan maya bhutam characharam

◆ **TRANSLATION**

BG 10.40: There is no end to My divine manifestations, O conqueror of enemies. What I have declared to you is a mere sample of My infinite glories.

◆ **COMMENTARY**

Shree Krishna is now concluding the topic of his opulences. From verses 20 to 39, he has described 82 of his infinite opulences. He now says that he has spoken only one portion (uddehatah) of the breadth of the topic (vistāra).

The question can be asked that if everything is the opulence of God, then what was the need of mentioning these? The answer is that Arjun had asked Shree Krishna how he should think of him, and these glories have been described in response to Arjun's question. The mind is naturally drawn to specialties, and thus, the Lord has revealed these specialties amongst his powers. Whenever we see a special splendor manifesting anywhere, if we look on it as God's glory, then our mind will naturally be transported to him. In the larger scheme of things, however, since God's glories are in all things big and small, one can think of the whole world as providing innumerable examples for enhancing our devotion. A paint company in India would advertise, "Whenever you see colors think of us." In this case, Shree Krishna's statement is tantamount to saying, "Wherever you see a manifestation of glory, think of me."



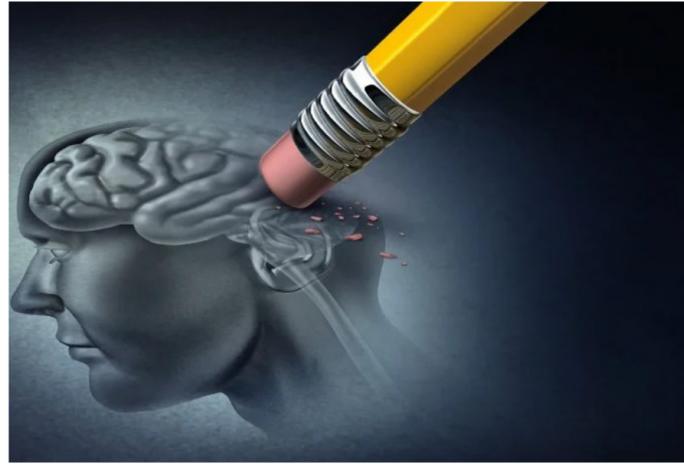
Scientists Reveal Biological Signal Behind Mysterious Alzheimer's Drug Side Effect

Scientists at the University of Kentucky have uncovered a biological signal that may help explain one of the most concerning side effects tied to new Alzheimer's treatments. Their findings suggest that a simple blood test could one day identify which patients are more likely to develop complications before therapy even begins.

The study, published in Nature Communications, focuses on amyloid-related imaging abnormalities (ARIA), a condition that can cause brain swelling or small areas of bleeding visible on MRI scans. ARIA has emerged as a key safety concern for anti-amyloid drugs such as lecanemab, the first therapy shown to slow Alzheimer's disease progression. While these drugs represent a major step forward, uncertainty around ARIA risk has limited how widely they can be used.

Until now, predicting who will develop ARIA has largely relied on genetics. People who carry the APOE ε4 gene variant are known to face higher risk, but that explanation has been incomplete. Many patients without the variant still develop complications, while others with it do not. This gap has made treatment decisions difficult for clinicians and families alike.

"We asked a simple question: do people who develop ARIA show a different immune 'fingerprint' in their blood than those who don't? The answer appears to be yes," said Josh Morganti, Ph.D., assistant professor of neuroscience and researcher at the University of Kentucky's Sanders-Brown Center on Aging.



To investigate, the team analyzed blood samples from patients treated with lecanemab at Norton Neuroscience Institute in Louisville. Using detailed genetic and metabolic profiling, they found that patients who developed ARIA had increased levels of a specific subset of T cells. These immune cells showed heightened metabolic activity and appeared primed to respond.

"This isn't random noise. We're seeing a coordinated immune response that distinguishes patients with ARIA at a biological level," he said.

A Blood Test Instead of Invasive Procedures

One of the most important findings is that this immune signal can be detected through a standard blood test rather than invasive procedures.

"Until now, we really didn't understand why some people develop ARIA and others don't," Morganti explained. "And we can't biopsy someone's brain to figure that out. This study shows that we can learn

something meaningful from the blood, which is an important step if we ever want to turn these findings into a real-world screening tool."

Lance Johnson, Ph.D., associate professor of physiology and researcher at Sanders-Brown, said the findings set the stage for a more personalized approach to Alzheimer's care. "We now know that ARIA isn't just an imaging artifact. There's biology behind it that we can measure. That means we have something to work with," said Johnson.

Previously, the main known risk factor for ARIA was genetic. People who carry the APOE ε4 gene variant face a higher risk, but the biological processes behind that risk were unclear. This study offers new insight by showing that certain T cells expand, change their metabolism, and gain the ability to interact with blood vessels.

"This suggests ARIA may have a biological signature we can detect in the blood," Johnson said.

A path toward prediction and better treatment

The researchers hope their findings will lead to safer and more accessible Alzheimer's therapies. With further validation in larger groups of patients, these immune patterns could form the basis of a predictive blood test to identify those at higher risk before treatment begins.

"If we can validate these findings in larger groups, clinicians could adjust treatment, closer monitoring, different dosing schedules or even targeted interventions, based on a patient's immune profile," Morganti said. "For people and families facing an Alzheimer's diagnosis, anything that makes these new treatments safer and more accessible is meaningful."

Johnson added, "Right now, ARIA is a cloud hanging over these otherwise groundbreaking therapies. If we can use this work to help predict or even prevent these side effects, it will be a big step forward."

Both researchers emphasized that more work is needed, but the study moves the field beyond speculation toward measurable biological markers.

Collaboration, support, and gratitude

The University of Kentucky team also highlighted the essential role of their collaborators at Norton Neuroscience Institute and Norton Research Institute in Louisville.

"I'm incredibly proud of the work our team has done to bring hope to patients facing an Alzheimer's diagnosis," said Gregory E. Cooper, M.D., Ph.D., chief of adult neurology and director of the Norton Neuroscience Institute Memory Center.

"These findings have the potential to significantly improve the safety and precision of care for patients undergoing anti-amyloid therapy. This collaboration is a powerful example of what can be achieved when experts unite around a shared purpose. I look forward to building on this momentum as we continue advancing research and improving the lives of those affected by Alzheimer's disease."

Johnson and Morganti said the partnership demonstrates how academic research can be strengthened through collaboration with community-based clinical programs.

"Lecanemab-treated patients represent a rare and difficult-to-access population. Dr. Cooper and his team's energy and enthusiasm to collaborate, coordinating care and research sample collection during active treatment, made this work possible," Morganti said.

Word of the Day

FISCAL
FISS-kul

What It Means

Fiscal is used to describe things relating to money and especially to the money a government, business, or organization earns, spends, and owes.

// The recent change in leadership was essential for addressing the fiscal health of the university.

FISCAL IN CONTEXT

"The Town of Java [New York] ... has received exemplary audits from the State Comptroller's Office, while continuing to streamline government and demonstrate fiscal responsibility." — The Daily News (Batavia, New York), 13 Feb. 2026

Did You Know?

Fiscal comes from the Latin noun *fiscus*, meaning

"basket" or "treasury." In ancient Rome, *fiscus* was the term for the treasury controlled by the emperor, where the money was literally stored in baskets and was collected primarily in the form of revenue from the provinces. *Fiscus* also gave English *confiscate*, which is most familiar as a verb meaning "to seize by or as if by authority," but can additionally refer to the forfeiting of private property to public use. Today, we often encounter *fiscal* in "fiscal year," a 12-month accounting period not necessarily coinciding with the calendar year.

Is it your Birthday Today?

MARCH 29

Influenced by number 2 and the Moon, you are active, imaginative, simple, trustworthy and impressive person. You value relationships more than anything else in life. You often devote more time and attention in looking after the needs of others than doing things for self-gain. You are creative and honest, but you need to control your tendency to behave moody and carefree at times. This year you need to be more particular about your health and diet. Long pending legal matters would be sorted out to your satisfaction. Your rapport with important govt. authorities in various departments would improve and you would be rewarded for your hard work with promotion or an increment. Matrimonial alliances for some. You need to prepare yourself for a better future by investing in additional education and training. The months of October, March and August will prove to be highly eventful.

SUDOKU PUZZLES

SOLVE THE PUZZLE AND GET HANDSOME REWARDS. SEND YOUR SOLUTIONS AT: EARTHNEWSROOM@GMAIL.COM

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 7 | | 1 | | 2 | 4 | |
| 6 | | | 7 | | 3 | | 9 |
| | | 4 | 2 | | 5 | 7 | |
| | | | 8 | 2 | 3 | 1 | 7 |
| | | | 9 | | 5 | 6 | |
| 3 | | 8 | 9 | 6 | 1 | | |
| | | 1 | 5 | | 9 | 8 | |
| 4 | | 3 | | | 2 | | 5 |
| | 9 | 5 | | 3 | | 4 | 1 |

SOLUTION OF PREVIOUS PUZZLE

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 2 | 5 | 7 | 6 | 4 | 9 | 8 |
| 8 | 9 | 7 | 2 | 1 | 4 | 3 | 6 | 5 |
| 6 | 5 | 4 | 8 | 3 | 9 | 2 | 7 | 1 |
| 2 | 4 | 1 | 9 | 8 | 7 | 5 | 3 | 6 |
| 5 | 6 | 9 | 4 | 2 | 3 | 1 | 8 | 7 |
| 7 | 8 | 3 | 6 | 5 | 1 | 9 | 2 | 4 |
| 4 | 7 | 8 | 3 | 9 | 5 | 6 | 1 | 2 |
| 3 | 2 | 6 | 1 | 4 | 8 | 7 | 5 | 9 |
| 9 | 1 | 5 | 7 | 6 | 2 | 8 | 4 | 3 |

STARS & PLANETS

What is My Zodiac Sign?

List of Zodiac Signs Based on Birth Dates

Your zodiac sign is determined by your date of birth. You may check the zodiac sign that and find it in a whole panel of online zodiac signs.



List of 12 Zodiac Signs



■ **ARIES:** A proposed get-together with a love interest might have to be postponed until much later tonight or perhaps another evening. % This could make you a little blue. Your insecurity might even get the better of you. Does your friend not want to meet? Don't fall into this kind of thinking. Accept that there's a reason and go with the flow. You'll enjoy the date that much more for the delay.

■ **TAURUS:** Are you expecting a close friend or love partner to visit you at home, Taurus? Don't panic if your friend doesn't show up at the allotted time. It doesn't mean that no one is coming! There probably has been a traffic jam, last-minute phone call, long line at the supermarket, or some other mundane delay. Be patient and your friend will show up eventually. Hang in there!

■ **GEMINI:** An emotional phone call could come from a close friend or love partner, Gemini. This person has a lot of worries, and is apt to lay them all on you if you let it happen. You won't want to drop everything that you'd planned to work on today. Tell your friend that you should get together for dinner or coffee and you'll talk about it, and then finish your tasks as quickly as possible.

■ **CANCER:** Financial worries could plague you today, Cancer. This is unfortunate, because your concerns are probably misplaced. There may be a few adjustments to make, but nothing a little belt-tightening for a few days can't fix. Find something inexpensive but fascinating to do like reading or watching a documentary. You'll forget your troubles and learn something in the meantime.

■ **LEO:** Love matters could have you feeling uptight and somewhat fearful today, Leo. Perhaps this involves a relationship that hasn't really manifested yet, or maybe you and your beloved have had a dispute of some kind. Don't worry too much. You should hear some reassuring words before too long. Try to stay calm when talking to your partner. Sounding desperate or scared could push him or her in the opposite direction.

■ **VIRGO:** Idealized romantic feelings could pour out today when talking to your love interest, Virgo. That's fine, but you should exercise restraint. If it's a new relationship, your partner could be scared off. If it's a long-term involvement, your friend might feel at a disadvantage. Channel the feelings into a poem, song, or painting. If you must voice them directly to your friend, keep the terms general.

■ **LIBRA:** Money worries could cause you to resist attending a group event with some friends, Libra. Are you afraid you'll be tempted to spend more than you can afford now? You probably will, but that's no reason to stay away. Leave your checkbook and credit cards at home. Take only a minimal amount of cash. If you see something you can't live without, take the name and number of the vendor for later.

■ **SCORPIO:** Someone you know from work could suddenly seem to have romantic feelings for you, Scorpio. At first this might make you a little uncomfortable, since you've never thought of this person in that way before. Don't do anything rash. Think about it first. Maybe there's potential, maybe not, but don't jump at it or dismiss it out of hand. Who knows? This person could prove to be your ideal mate!

■ **SAGITTARIUS:** Is your love interest out of town, Sagittarius? If so, you might spend much of the day feeling lonely and gloomy. Your friend misses you, too, so don't think you'll be alone for long. Try to fill the hours until your partner returns with activities that you love, such as reading or artistic pursuits. The time should then go quickly and you'll be back together before you know it. Hang in there!

■ **CAPRICORN:** A financial goal you've been hoping to reach very soon might seem right around the corner, Capricorn, but there still seem to be a thousand things you have to do before it's actually realized. This could get you down temporarily, but don't get stuck there. Make a list of whatever needs to be done and then tackle each task one at a time until the goal is reached. Get busy!

■ **AQUARIUS:** Expect a hectic pace today, Aquarius. Some of your colleagues may have been procrastinating a little and now everything has to be done at once. Don't get too frustrated, however. There are unspoken reasons for their behavior that they haven't shared with you. Just do the best you can and hope that others will as well. If some of it has to wait, it won't be the end of the world!

■ **PISCES:** Have you been planning to travel, perhaps for business, Pisces? You might receive word that your trip has to be postponed, which could be disappointing. However, bear in mind that this is only a delay, not a denial. All signs are that you'll make that trip, so don't panic. Think of it as more time in which to prepare. You'll want to be thoroughly ready before you go. Enjoy your day, go for the gold.