



# Popular Migraine Medication Fails to Alleviate Vertigo Symptoms

## Description

Migraines can cause severe pain, and some medications help. One such medicine is called rizatriptan. However, new research shows it might not work well for a specific type of migraine called vestibular migraines. These migraines can cause dizziness and balance issues alongside headaches.

Dr. Jeffrey Staab from the Mayo Clinic conducted a study with 134 adults who have vestibular migraines. They took either rizatriptan or a placebo when symptoms started. After one hour, rizatriptan did not reduce symptoms better than the placebo.

After 24 hours, some people felt a bit better regarding light and noise sensitivity, but not for dizziness. This shows that vestibular migraines may need different treatments. Dr. Peter Goadsby suggests that doctors should be aware of these symptoms and be ready to try other options if triptans do not work.

## Vocabulary List:

1. **Migraine** /'maɪ.greɪn/ (noun): A severe headache that can cause debilitating pain often accompanied by other symptoms such as nausea and light sensitivity.
2. **Rizatriptan** /ˌrɪ.zə'trɪp.tæn/ (noun): A medication used to treat migraine headaches.
3. **Vestibular** /vɛ'stɪb.jə.lər/ (adjective): Relating to the vestibular system which is responsible for balance.
4. **Symptoms** /'sɪmp.təmz/ (noun): Physical or mental features indicating a condition or disease.
5. **Sensitivity** /ˌsɛn.sə'tɪv.ɪ.ti/ (noun): The quality of being sensitive to stimuli such as light or noise.
6. **Treatments** /'tri:t.mənts/ (noun): Methods or medicines used to alleviate or cure an illness or condition.

## Comprehension Questions

### Multiple Choice

1. What type of migraine did the study focus on?

Option: Vestibular migraines  
Option: Hemiplegic migraines  
Option: Aura migraines  
Option: Menstrual migraines



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2. How many adults participated in the study conducted by Dr. Jeffrey Staab?
- Option: 134
  - Option: 100
  - Option: 200
  - Option: 50
3. After one hour, how did rizatriptan compare to the placebo in reducing symptoms?
- Option: Rizatriptan did not reduce symptoms better than the placebo
  - Option: Rizatriptan was more effective than the placebo
  - Option: Placebo was more effective than Rizatriptan
  - Option: Both had similar effects on symptoms
4. Who suggested that doctors should be open to trying other options if triptans do not work for vestibular migraines?
- Option: Dr. Jeffrey Staab
  - Option: Dr. Peter Goadsby
  - Option: Dr. Richard Smith
  - Option: Dr. Sarah Johnson
5. What symptom showed improvement after 24 hours according to the study?
- Option: Light sensitivity
  - Option: Dizziness
  - Option: Headaches
  - Option: Nausea
6. What is the recommended action for doctors regarding vestibular migraines and triptans?
- Option: Continue using only triptans
  - Option: Switch to a higher dose of rizatriptan
  - Option: Be aware of symptoms and try other options if triptans do not work
  - Option: Stop all medication for vestibular migraines

### **True-False**

7. Vestibular migraines can cause dizziness and balance issues in addition to headaches.
8. After 24 hours, Rizatriptan effectively reduced dizziness in the study participants with vestibular migraines.



9. Dr. Jeffrey Staab conducted a study on pediatric patients with migraines.
10. The study compared rizatriptan to ibuprofen for treating vestibular migraines.
11. Dr. Peter Goadsby recommended that doctors should explore alternative treatments if triptans do not provide relief for vestibular migraines.
12. Light and noise sensitivity improved after 24 hours in the study participants with vestibular migraines.

### Gap-Fill

13. According to the study, some people felt better regarding light and noise sensitivity after \_\_\_\_\_ hours.
14. Dr. Jeffrey Staab conducted a study with \_\_\_\_\_ adults who have vestibular migraines.
15. Vestibular migraines can cause dizziness and balance issues alongside \_\_\_\_\_.
16. The study showed that vestibular migraines may require different \_\_\_\_\_.
17. Dr. Peter Goadsby recommended that doctors should be ready to try other options if \_\_\_\_\_ do not work for vestibular migraines.
18. New research indicates that rizatriptan may not work well for a specific type of migraine called \_\_\_\_\_ migraines.

### Answer

**Multiple Choice:** 1. Vestibular migraines 2. 134 3. Rizatriptan did not reduce symptoms better than the placebo 4. Dr. Peter Goadsby 5. Light sensitivity 6. Be aware of symptoms and try other options if triptans do not work

**True-False:** 7. True 8. False 9. False 10. False 11. True 12. True

**Gap-Fill:** 13. 24 14. 134 15. headaches 16. treatments 17. triptans 18. vestibular

### Vocabulary quizzes



**Multiple Choice ( Select the Correct answer for each question. )**

1. What is a malicious attempt to disrupt damage or gain unauthorized access to computer systems networks or devices?  
Option: Hacktivism  
Option: Cyber-attack  
Option: Phishing  
Option: Ransomware
2. What refers to the amount of inventory a business holds at a given point in time?  
Option: Revenue stream  
Option: Sales forecast  
Option: Production capacity  
Option: Stock levels
3. Which term describes areas located outside of cities and towns?  
Option: Urban  
Option: Rural  
Option: Suburban  
Option: Metropolitan
4. What are the subjective indications of a condition that a person may be experiencing?  
Option: Syndromes  
Option: Prognosis  
Option: Symptoms  
Option: Diagnosis
5. Which process involves the production of goods through the use of labor machines tools and chemical or biological processing?  
Option: Farming  
Option: Construction  
Option: Logistics  
Option: Manufacturing
6. Which neurological condition is characterized by recurrent moderate to severe headaches often accompanied by auras?  
Option: Migraine  
Option: Anxiety  
Option: Depression  
Option: Epilepsy
7. Which term refers to the quality of being exact and accurate in details?



- Option: Adaptability
- Option: Precision
- Option: Redundancy
- Option: Flexibility

8. Who are the individuals or entities that purchase a product or service?

- Option: Vendors
- Option: Consumers
- Option: Investors
- Option: Customers

9. What are rewards or benefits that encourage certain actions or behavior?

- Option: Fines
- Option: Subsidies
- Option: Incentives
- Option: Penalties

10. What are favorable circumstances or chances for advancement or progress?

- Option: Challenges
- Option: Hurdles
- Option: Obstacles
- Option: Opportunities

**Gap-Fill ( Fill in the blanks with the correct word from the vocabulary list. )**

11. \_\_\_\_\_ in the supply chain can lead to delays in fulfilling customer orders.
12. She felt deeply \_\_\_\_\_ by her closest friend's actions.
13. Taking the necessary \_\_\_\_\_ can help prevent accidents in the workplace.
14. The criminal attempted to \_\_\_\_\_ money from the victim by threatening harm.
15. The data breach \_\_\_\_\_ sensitive information of thousands of users.
16. The sudden change in policy caused \_\_\_\_\_ among the employees.
17. Various \_\_\_\_\_ are available for managing chronic medical conditions.
18. The new product was heavily \_\_\_\_\_ for its poor quality.



19. The \_\_\_\_\_ system in the inner ear helps maintain balance and spatial orientation.
20. The artist's work captured the \_\_\_\_\_ of the human condition.
21. Government \_\_\_\_\_ are often provided to support specific industries or sectors.

**Matching Sentences ( Match each definition to the correct word from the vocabulary list. )**

22. Unexpected events or breakdowns in the supply chain can lead to delays in fulfilling customer orders.
23. A deliberate and malicious attempt to compromise computer systems or networks for various purposes.
24. Individuals or entities who purchase goods or services from a business or organization.
25. The process of producing goods using various resources and technologies.
26. Favorable circumstances or situations that can lead to progress or success.
27. The quality of being accurate and exact in detailed work or measurements.
28. The amount of inventory or goods that a company holds at a specific point in time.
29. A neurological condition characterized by intense headaches often accompanied by other symptoms.
30. Rewards or benefits offered to encourage specific actions or behaviors.
31. Subjective indications of a medical condition experienced by an individual.

## Answer

**Multiple Choice:** 1. Cyber-attack 2. Stock levels 3. Rural 4. Symptoms 5. Manufacturing 6. Migraine 7. Precision 8. Customers 9. Incentives 10. Opportunities

**Gap-Fill:** 11. Disruptions 12. Betrayed 13. Precaution 14. Extort 15. Compromised 16. Confusion 17. Treatments 18. Criticized 19. Vestibular 20. Sensitivity 21. Subsidies

**Matching sentence:** 1. Disruptions 2. Cyber-attack 3. Customers 4. Manufacturing 5. Opportunities 6. Precision 7. Stock levels 8. Migraine 9. Incentives 10. Symptoms

## CATEGORY

1. Sci/Tech - LEVEL3

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