



Top Migraine Drugs Unveiled: Trial Data Review

Description

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Researchers assessed the efficacy of 17 drugs for treating migraines

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An extensive review of clinical trials suggests that underutilized triptan drugs, which are specifically formulated for migraine treatment, may be more effective in managing migraine symptoms compared to newer, more expensive medications.

Research indicates that despite their efficacy, triptans are used in less than 22 percent of migraine cases. Therefore, experts recommend considering these cost-effective triptans as a primary treatment option for migraine relief, especially for patients without contraindications like cardiovascular diseases.

Triptans like sumatriptan and eletriptan, available as off-brand or generic tablets, have shown promising results. On the other hand, newer drugs called ditans and gepants, designed to avoid cardiovascular risks associated with triptans, have entered the market at a high cost.

Various studies have compared the effectiveness of these drugs, revealing that eletriptan and ibuprofen are among the most effective options for managing migraine pain over a 24-hour period. In contrast, newer drugs like lasmiditan, rimegepant, and ubrogepant have shown no significant advantage over common pain relievers like paracetamol and NSAIDs.

In conclusion, while triptans are recommended for certain individuals, the choice of treatment for migraines should be personalized, considering individual needs and medical history.

Migraine management is a complex matter that requires a tailored approach to ensure the best outcomes for each patient.

Topics:

Vocabulary List:

1. **Efficacy** /'ɛfɪkəsi/ (noun): The ability to produce a desired or intended result.
2. **Underutilized** /,ʌndə'ju:tɪlaɪzd/ (adjective): Not put to use to the fullest extent.
3. **Contraindications** /,kɒntrə,ɪndɪ'keɪʃənz/ (noun): Specific situations where a drug should not be used.
4. **Formulated** /'fɔ:rmjuleɪtɪd/ (verb): Created or devised a method or plan.
5. **Tailored** /'teɪlərd/ (verb): Adapted or adjusted for a specific purpose or individual.
6. **Management** /'mænɪdʒmənt/ (noun): The process of dealing with and controlling things or people.

Comprehension Questions



Multiple Choice

1. According to the extensive review of clinical trials, which type of drugs may be more effective in managing migraine symptoms compared to newer medications?
 - Option: Triptan drugs
 - Option: NSAIDs
 - Option: Ditans
 - Option: Gepants
2. What percentage of migraine cases utilize triptan drugs according to research?
 - Option: Less than 22%
 - Option: Around 50%
 - Option: Over 75%
 - Option: 100%
3. Which of the following are examples of triptans mentioned in the text?
 - Option: Sumatriptan and Eletriptan
 - Option: Lasmiditan and Rimegepant
 - Option: Ibuprofen and Paracetamol
 - Option: Ubrogapant and Ditans
4. What do newer drugs like lasmiditan, rimegepant, and ubrogapant show in comparison to common pain relievers?
 - Option: No significant advantage
 - Option: Higher efficacy
 - Option: Fewer side effects
 - Option: Lower cost
5. Why are newer drugs like ditans and gepants designed to avoid cardiovascular risks associated with triptans?
 - Option: High cost
 - Option: Low effectiveness
 - Option: FDA regulations
 - Option: Research findings
6. What is recommended for the choice of migraine treatment according to the text?
 - Option: Personalized approach
 - Option: Generic drugs
 - Option: Newer medications



Option: Avoiding treatment

Answer

Multiple Choice: 1. Triptan drugs 2. Less than 22% 3. Sumatriptan and Eletriptan 4. No significant advantage
5. Research findings 6. Personalized approach

Vocabulary quizzes

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

1. Which of the following is a chemical messenger that transmits signals across a synapse?

- Option: Perception
- Option: Anticipation
- Option: Neurotransmitter
- Option: Innovative

2. The scientific methods used in the investigation of crimes are related to which field of study?

- Option: Insights
- Option: Transmissible
- Option: Forensic
- Option: Emerged

3. What term best describes the act of being watchful or alert for possible danger or difficulties?

- Option: Diverse
- Option: Vigilance
- Option: Characteristics
- Option: Efficacy

4. Which activity involves an astronaut working outside a spacecraft in space?

- Option: Milestone
- Option: Spacewalk
- Option: Capsule
- Option: Pioneering

5. What term refers to the process of introducing new ideas or methods?



- Option: Tailored
- Option: Management
- Option: Milestone
- Option: Innovation

6. Which term best describes a range of different things or having variety?

- Option: Underutilized
- Option: Contraindications
- Option: Diverse
- Option: Insights

7. What term describes having a strong reason to act or accomplish something?

- Option: Exhibitors
- Option: Transmissible
- Option: Motivated
- Option: Emerged

8. Which term refers to the ability to acquire and apply knowledge and skills?

- Option: Predominantly
- Option: Symptoms
- Option: Vigilance
- Option: Intelligence

9. Which term signifies the action of creating or preparing something carefully?

- Option: Spacewalk
- Option: Capsule
- Option: Formulated
- Option: Pioneering

10. What term denotes something that is important or meaningful?

- Option: Suit
- Option: Innovation
- Option: Significant
- Option: Tailored

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

11. The students waited with _____ for the exam results to be announced.

12. Efficient _____ is essential for the success of any organization.



13. The virus is highly _____ and can be easily spread among populations.
14. A new leadership style has _____ in the company following the appointment of the new CEO.
15. Fever cough and fatigue are common _____ of the flu.
16. The study aimed to determine the _____ of the new drug in treating the condition.
17. The training facility is currently _____ and not operating at full capacity.
18. The marketing campaign was _____ to appeal to the younger demographic.
19. The breed of dog has specific _____ that make it well-suited for hunting.
20. The company is known for its _____ work in developing cutting-edge technology.

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

21. The research study provided valuable into consumer behavior.
22. The astronaut climbed into the space before the mission.
23. The completion of the project marked a significant for the team.
24. The company prides itself on its approach to product development.
25. The astronaut put on the space before the spacewalk.
26. The evidence presented in court helped solve the crime.
27. The team a detailed plan for the project implementation.
28. Maintaining constant is crucial in high-security areas.
29. His exceptional allowed him to solve complex problems effectively.
30. The resources were and could have been better utilized for the project.



Answer

Multiple Choice: 1. Neurotransmitter 2. Forensic 3. Vigilance 4. Spacewalk 5. Innovation 6. Diverse 7. Motivated 8. Intelligence 9. Formulated 10. Significant

Gap-Fill: 11. Anticipation 12. Management 13. Transmissible 14. Emerged 15. Symptoms 16. Efficacy 17. Underutilized 18. Tailored 19. Characteristics 20. Pioneering

Matching sentence: 1. Insights 2. Capsule 3. Milestone 4. Innovative 5. Suit 6. Forensic 7. Formulated 8. Vigilance 9. Intelligence 10. Underutilized

CATEGORY

1. Sci/Tech - LEVEL4

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