



New Male Birth Control Pill in Clinical Trials: Hormone-Free Option

Description

A new male birth control pill without hormones is being tested for the first time.

The pill, YCT-529, is showing promising results in animals by reducing sperm production with minimal side effects.

Male mice see a nearly 100% decrease in pregnancies in their partners within a month of taking the pill.

Male monkeys need a higher dose but also see a significant drop in sperm count without severe side effects.

The pill doesn't affect important hormones for sperm production like testosterone.

Researchers are hopeful about this non-hormonal birth control option for men.

A clinical trial in New Zealand is progressing well, with plans to move to the next phase soon.

The pill works by targeting a specific protein to limit side effects.

Other non-hormonal male birth control options are also being explored.

Men are eager to share the responsibility of birth control, and new options give them that chance.

Vocabulary List:

1. **Promising** /'prɒː.mɪ.sɪŋ/ (adjective): Showing signs of future success or potential.
2. **Production** /prə'dʌk.ʃən/ (noun): The process of creating or manufacturing something.
3. **Significant** /sɪg'nɪf.ɪ.kənt/ (adjective): Sufficiently great or important to be worthy of attention.
4. **Eager** /'iː.gər/ (adjective): Having or showing keen interest or intense desire.
5. **Hormonal** /hɔːr'moʊ.nəl/ (adjective): Relating to hormones which are regulatory substances in the body.
6. **Clinical** /'klɪn.ɪ.kəl/ (adjective): Relating to the observation and treatment of actual patients rather than theoretical or laboratory studies.

Comprehension Questions



Multiple Choice

1. Which pill is showing promising results in animals by reducing sperm production with minimal side effects?
 - Option: Pill XZY-987
 - Option: Pill ABC-123
 - Option: Pill YCT-529
 - Option: Pill DEF-456

2. What is the effect of the new male birth control pill on male mice?
 - Option: Reduces testosterone levels
 - Option: Increases sperm count
 - Option: Reduces pregnancies in partners
 - Option: No effect on sperm production

3. Where is a clinical trial for the new male birth control pill progressing well?
 - Option: United States
 - Option: Canada
 - Option: New Zealand
 - Option: Australia

4. How does the new male birth control pill work to limit side effects?
 - Option: Targeting a specific protein
 - Option: Affecting testosterone levels
 - Option: Controlling sperm count
 - Option: Increasing hormone production

5. What are researchers hopeful about regarding the new non-hormonal male birth control option?
 - Option: Reducing sperm production
 - Option: Lack of effectiveness
 - Option: Minimal side effects
 - Option: Affects important hormones

6. What do men desire regarding birth control according to the content?
 - Option: Increased hormone interference
 - Option: No involvement in birth control
 - Option: Sharing responsibility
 - Option: Seeking hormonal options



True-False

7. The new male birth control pill has hormones in its composition.
8. Male monkeys see no drop in sperm count when taking the new pill.
9. The new pill affects important hormones for sperm production like testosterone.
10. A clinical trial for the new male birth control pill is planned in Australia.
11. Researchers are not hopeful about the non-hormonal male birth control option.
12. New options allow men to take sole responsibility for birth control.

Gap-Fill

14. A clinical trial in _____ is progressing well for the new male birth control pill.
15. The new male birth control pill works by targeting a specific _____ to limit side effects.
16. Other non-hormonal male birth control options are also being _____.
17. Men are eager to share the _____ of birth control.
18. Male monkeys need a higher _____ but also see a significant drop in sperm count.

Answer

Multiple Choice: 1. Pill YCT-529 2. Reduces pregnancies in partners 3. New Zealand 4. Targeting a specific protein 5. Minimal side effects 6. Sharing responsibility

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

Gap-Fill: 14. New Zealand 15. protein 16. explored 17. responsibility 18. dose

Vocabulary quizzes



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

1. What can cause mutations in DNA and lead to cancer?
Option: Radiation
Option: Debris
Option: Satellites
Option: Ecosystems
2. What can be used to communicate instantly across the globe?
Option: Strokes
Option: Technology
Option: Promotion
Option: Habitat
3. Where is biodiversity essential for maintaining balance?
Option: Production
Option: Ecosystems
Option: Risks
Option: Unsafe
4. What leads to habitat destruction and pollution?
Option: Significant
Option: Urbanization
Option: Risks
Option: Orbits
5. What can render satellites unsafe for operation?
Option: Radiation
Option: Debris
Option: Collisions
Option: Promising
6. In what setting are hormonal imbalances often diagnosed and treated?
Option: Clinical
Option: Reaction
Option: Exposure
Option: Analyzing
7. Why is it necessary to be able to detect radiation exposure?
Option: Reaction
Option: Detection
Option: Orbits



Option: Biodiversity

8. What kind of technology development offers new solutions?

Option: Promising

Option: Eager

Option: Analyzing

Option: Risks

9. Why is it important to analyze the effects of certain exposures on disabilities?

Option: Disabilities

Option: Stroke

Option: Instantly

Option: Habitat

10. What could happen to species due to habitat loss and urbanization?

Option: Pollution

Option: Extinct

Option: Biodiversity

Option: Technology

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

11. When individuals are _____ to radiation it can have harmful effects on their health.

12. Proper monitoring of radiation levels is _____ for ensuring safety in nuclear facilities.

13. _____ data from clinical studies helps in understanding the impact of certain factors on health.

14. Advancements in technology allow us to communicate _____ with anyone around the world.

15. Assessing the potential _____ associated with a certain activity is crucial for decision-making.

16. Space missions have to consider the risks of collisions with _____ in orbit.

17. Satellites are placed in specific _____ around the Earth to perform their functions.

18. Managing waste and pollution from industrial _____ is essential for environmental



protection.

19. Certain medical conditions are treated with _____ therapy to restore balance in the body.

20. Understanding the body's _____ to different stimuli is crucial in medical research.

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

21. A stroke can result from a disruption of blood flow to the brain leading to potential brain damage.
22. Urbanization often results in increased pollution levels impacting the quality of air and water.
23. Debris orbiting Earth poses a significant risk to satellites in operation potentially causing collisions.
24. Habitat destruction contributes to the decline in biodiversity affecting various species and ecosystems.
25. Exposure to certain chemicals or substances can render a workplace unsafe for employees requiring safety measures.
26. In medical emergencies a quick and appropriate reaction to the situation can significantly impact the outcome.
27. The destruction of natural habitats due to human activities threatens many species with extinction.
28. A significant increase in temperature can have far-reaching effects on polar ice caps and global weather patterns.
29. Scientists and researchers are eager to explore new technologies to address pressing social and environmental issues.
30. Efficient communication is essential in emergency response situations to coordinate actions effectively.

Answer

Multiple Choice: 1. Radiation 2. Technology 3. Ecosystems 4. Urbanization 5. Collisions 6. Clinical 7. Detection 8. Promising 9. Disabilities 10. Extinct

Gap-Fill: 11. Exposed 12. Necessary 13. Analyzing 14. Instantly 15. Risks 16. Debris 17. Orbits 18. Production



19. Hormonal 20. Reaction

Matching sentence: 1. Stroke 2. Pollution 3. Satellites 4. Biodiversity 5. Unsafe 6. Reaction 7. Habitat
8. Significant 9. Eager 10. Communication

CATEGORY

1. Health - LEVEL2

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