



First doses of revolutionary R21 vaccine administered to children in Ivory Coast, marking significant progress in fight against malaria

Description

Children in Ivory Coast have started receiving the first doses of a new malaria vaccine, marking a significant milestone in the fight against this deadly disease. The R21 vaccine, developed by the Jenner Institute at the University of Oxford and the Serum Institute of India (SII), costs less than \$4 per dose and has shown high efficacy levels in young children, potentially saving up to 500,000 child deaths annually. This affordable vaccine has the potential to make a substantial impact on public health, especially in Africa where malaria remains a leading cause of death, with children under the age of 5 being the most affected.

The rollout of the R21 vaccine is a collaborative effort to combat malaria, with several African countries already receiving doses and more nations authorizing its use. The vaccine will work in conjunction with the RTS,S vaccine, which has shown positive results in reducing mortality rates in previous pilot programs. This combined approach, approved by the World Health Organization (WHO), offers hope for effectively controlling and preventing malaria.

Despite the promising outcomes, challenges lie ahead in distributing millions of doses and ensuring proper training in administering the vaccines, particularly in low-income countries. Nevertheless, the commitment to producing large quantities of the vaccine indicates a step in the right direction towards eradicating malaria-related deaths.

The launch of this vaccination campaign signifies a concerted effort to significantly reduce the impact of malaria on vulnerable populations, emphasizing the importance of preventive measures and innovative solutions in global health initiatives.

Vocabulary List:

1. **Milestone** /'maɪl.stəʊn/ (noun): An important event or stage in the development of something.
2. **Efficacy** /'ɛf.ɪ.kə.si/ (noun): The ability to produce a desired or intended result.
3. **Substantial** /səb'stæn.tʃəl/ (adjective): Of considerable importance size or worth.
4. **Rollout** /'rɒl.aʊt/ (noun): The introduction or launch of a new product or service.
5. **Eradicating** /ɪ'rædɪkeɪtɪŋ/ (verb): Completely destroying or eliminating something.
6. **Initiatives** /ɪ'nɪʃ.ə.tɪvɪz/ (noun): An important project or plan designed to achieve a specific goal.

Comprehension Questions



Multiple Choice

1. Where was the R21 malaria vaccine developed?
 - Option: University of Oxford and Serum Institute of India
 - Option: Johns Hopkins University
 - Option: Harvard University
 - Option: Stanford University
2. How much does the R21 vaccine cost per dose?
 - Option: Less than \$4
 - Option: \$10
 - Option: \$25
 - Option: \$50
3. Who has shown high efficacy levels in young children?
 - Option: R21 vaccine
 - Option: RTS,S vaccine
 - Option: World Health Organization
 - Option: Gates Foundation
4. What region has a high prevalence of malaria making the vaccine crucial?
 - Option: Africa
 - Option: Europe
 - Option: Asia
 - Option: North America
5. What is the potential impact of the R21 vaccine on annual child deaths?
 - Option: Saving up to 500,000 child deaths
 - Option: Reducing 100,000 child deaths
 - Option: No impact on child deaths
 - Option: Increasing child deaths
6. Which organization has approved the combined approach of the R21 and RTS,S vaccines?
 - Option: World Health Organization
 - Option: United Nations
 - Option: Red Cross
 - Option: Doctors Without Borders



Answer

Multiple Choice: 1. University of Oxford and Serum Institute of India 2. Less than \$4 3. R21 vaccine 4. Africa
5. Saving up to 500,000 child deaths 6. World Health Organization

Vocabulary quizzes

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

1. Which term refers to the interaction between two or more elements?

- Option: Superficial
- Option: Interplay
- Option: Listeria
- Option: Facilitate

2. Which word describes a region bordered by Europe Asia and Africa?

- Option: Nutritional
- Option: Mediterranean
- Option: Cognitive
- Option: Moderation

3. Which term indicates the ability to produce a desired effect?

- Option: Substantial
- Option: Efficacy
- Option: Nuanced
- Option: Compromised

4. What do you call the indications of a particular disease or condition?

- Option: Precautions
- Option: Reheated
- Option: Symptoms
- Option: Outbreak

5. Which term refers to the launching or introduction of something new?

- Option: Significant
- Option: Sustainable
- Option: Eradicating
- Option: Rollout



6. What are new plans or strategies called?
Option: Brimming
Option: Initiatives
Option: Compromised
Option: Milestone
7. Which term refers to something being polluted or infected?
Option: Contaminated
Option: Reheated
Option: Outbreak
Option: Listeria
8. What measures are taken to prevent harm or danger?
Option: Eradicating
Option: Precautions
Option: Compromised
Option: Substantial
9. Which term means filled to the point of overflowing?
Option: Mediterranean
Option: Brimming
Option: Cognitive
Option: Nuanced
10. Which term refers to the avoidance of excess or extremes?
Option: Sustainable
Option: Significant
Option: Moderation
Option: Superficial

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

11. The security of the system was _____ after the data breach.
12. Health authorities focused on _____ the disease from the region.
13. The patient displayed severe flu-like _____ after exposure to the virus.
14. The discovery of a new species in the forest was a _____ milestone for the researchers.



15. The company aims to implement _____ practices to protect the environment.
16. It is important to take necessary _____ when handling hazardous materials.
17. His understanding of the topic was only _____ and lacked depth.
18. The recent food poisoning outbreak was linked to the presence of _____ in the products.
19. The author's writing style was highly _____ with layers of meaning in every sentence.
20. Graduating from college was a _____ achievement for her.

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

21. The new software is designed to streamline and simplify processes.
22. The psychologist studied the effects of aging on mental processes.
23. Health officials declared a state of emergency following the sudden spike in cases.
24. The picnic basket was filled with an assortment of delectable treats.
25. The data breach resulted in the exposure of sensitive information.
26. The city council launched several programs to improve community welfare.
27. The financial investment yielded significant returns for the company.
28. Leftover pizza should be properly heated before consumption.
29. The clinical trial confirmed the drug's effectiveness in treating the condition.
30. Maintaining a balanced diet and exercise routine is essential for good health.

Answer

Multiple Choice: 1. Interplay 2. Mediterranean 3. Efficacy 4. Symptoms 5. Rollout 6. Initiatives 7. Contaminated



8. Precautions 9. Brimming 10. Moderation

Gap-Fill: 11. Compromised 12. Eradicating 13. Symptoms 14. Significant 15. Sustainable 16. Precautions
17. Superficial 18. Listeria 19. Nuanced 20. Milestone

Matching sentence: 1. Facilitate 2. Cognitive 3. Outbreak 4. Brimming 5. Compromised 6. Initiatives
7. Substantial 8. Reheated 9. Efficacy 10. Moderation

CATEGORY

1. Health - LEVEL6

Date Created

2024/07/16

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