



Groundbreaking Cancer Therapies: Transforming Treatment Approaches

Description

Scientists are starting a big study on new personalized cancer treatments. They want to see how well the treatments work in real time. They are working with hospitals, charities, and companies to look at new ways to find cancer.

The project will study 3,000 people with cancer to find out which markers can show if someone has cancer or if it could come back. This might help make new cancer treatments work better.

One type of treatment they are looking at is immunotherapy. This treatment helps the body's immune system fight cancer. It is different from surgery, radiation, and chemotherapy.

The goal is to find out who will benefit from the treatment and who might have side effects. The project will focus on melanoma, kidney cancer, bladder cancer, and triple-negative breast cancer.

This study could help doctors know which treatments are best for each patient, making cancer treatment more effective.

Vocabulary List:

1. **Personalized** /'pɜːr.sənə.laɪzd/ (adjective): Tailored to meet the individual needs or characteristics of a person.
2. **Immunotherapy** /,ɪm.jʊ.nə'θer.ə.pi/ (noun): A type of cancer treatment that boosts the body's natural defenses.
3. **Markers** /'mɑːrkəz/ (noun): Biological indicators used to detect the presence of a condition such as cancer.
4. **Melanoma** /,melə'noʊmə/ (noun): A type of skin cancer that develops from pigment-producing cells.
5. **Side effects** /saɪd ɪ'fɛkts/ (noun): Secondary typically undesirable effects of a drug or treatment.
6. **Effective** /ɪ'fɛk.tɪv/ (adjective): Successful in producing a desired or intended result.

Comprehension Questions

Multiple Choice

1. What is the primary focus of the big study on new personalized cancer treatments?

Option: Finding new hospitals for treatment

Option: Raising funds for cancer research



- Option: Determining treatment effectiveness
- Option: Exploring alternative medicine practices

2. How many people with cancer will the project study?

- Option: 2,000
- Option: 5,000
- Option: 3,000
- Option: 1,000

3. Which type of treatment is the project specifically looking at?

- Option: Surgery
- Option: Radiation
- Option: Immunotherapy
- Option: Chemotherapy

4. Which cancers will be the focus of this study?

- Option: Lung cancer, prostate cancer, ovarian cancer
- Option: Breast cancer, colon cancer, pancreatic cancer
- Option: Melanoma, kidney cancer, bladder cancer
- Option: Liver cancer, brain cancer, leukemia

5. What is the goal of the project regarding cancer treatment?

- Option: To increase surgery procedures
- Option: To eliminate all side effects of cancer treatments
- Option: To personalize treatments for different patients
- Option: To focus only on chemotherapy treatments

6. How does immunotherapy differ from surgery, radiation, and chemotherapy?

- Option: It is more expensive
- Option: It helps the body fight cancer through the immune system
- Option: It is only used for early-stage cancers
- Option: It has more severe side effects

True-False

7. The project aims to explore new ways to find cancer.

8. Immunotherapy is a type of surgery.



-
9. The study will focus on breast cancer and brain cancer.
10. The goal is to determine which patients are most likely to benefit from treatment.
11. This project involves collaboration with hospitals and charities only.
12. Immunotherapy may have fewer side effects compared to chemotherapy.

Gap-Fill

13. The study will include _____ people with cancer to identify markers that can indicate the presence or recurrence of cancer.
14. One type of treatment being studied is _____, which harnesses the body's immune system to combat cancer.
15. The project will focus on melanoma, kidney cancer, bladder cancer, and _____ breast cancer.
16. Doctors aim to determine the most effective treatments for each patient to enhance _____ treatment outcomes.
17. Scientists want to identify markers that can predict the likelihood of cancer recurrence in order to improve cancer treatment _____.
18. The main aim of the project is to understand which patients will benefit from treatment and to assess potential treatment _____.

Answer

Multiple Choice: 1. Determining treatment effectiveness 2. 3,000 3. Immunotherapy 4. Melanoma, kidney cancer, bladder cancer 5. To personalize treatments for different patients 6. It helps the body fight cancer through the immune system

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

Gap-Fill: 13. 3,000



14. immunotherapy 15. triple-negative 16. cancer 17. effectiveness 18. side effects

Vocabulary quizzes

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

1. Which substances help maintain fluid balance nerve function and muscle control in the body?

- Option: Probiotics
- Option: Electrolytes
- Option: Progesterone
- Option: Antibiotics

2. What medical products are used to stimulate the immune system to protect against diseases?

- Option: Progesterone
- Option: Vaccines
- Option: Immunotherapy
- Option: Estrogen

3. Which term describes a medical condition that is intense or serious in nature?

- Option: Severe
- Option: Occasional
- Option: Alternative
- Option: Personalized

4. Which supplements contain beneficial bacteria for gut health?

- Option: Electrolytes
- Option: Progesterone
- Option: Probiotics
- Option: Antibiotics

5. What is the process of adding water to the body to maintain balance?

- Option: Hydration
- Option: Replenishing
- Option: Essential
- Option: Complications

6. What type of medication is used to treat bacterial infections?



- Option: Progesterone
- Option: Probiotics
- Option: Antibiotics
- Option: Immunotherapy

7. Which hormone is mainly responsible for preparing the uterus for pregnancy?

- Option: Progesterone
- Option: Estrogen
- Option: Cycle
- Option: Markers

8. What are substances that provide nourishment essential for growth and maintenance of life?

- Option: Nutrients
- Option: Deficiencies
- Option: Application
- Option: Exposures

9. Which treatment aims to boost or restore the body's natural defenses against diseases like cancer?

- Option: Vaccines
- Option: Immunotherapy
- Option: Melanoma
- Option: Side effects

10. Which professionals are responsible for promoting and selling products or services?

- Option: Effective
- Option: Harmful
- Option: Marketers
- Option: Consult

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

- 11. _____ electrolytes is important after a strenuous workout.
- 12. Taking antibiotics should be an _____ measure and not a routine practice.
- 13. Proper hydration is _____ for overall well-being.
- 14. Always _____ a healthcare provider before starting a new medication.
- 15. If you experience _____ side effects from a medication seek medical help



immediately.

16. The correct _____ of sunscreen can help protect against skin cancer.

17. Antibiotics should only be taken with a valid _____ from a licensed healthcare provider.

18. Eating a balanced diet can help prevent nutrient _____.

19. Ignoring early symptoms can lead to serious health _____.

20. Consuming too many supplements can be _____ to your health.

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

21. Ensuring proper levels is essential for optimal physical performance.
22. Some people opt for medicine practices instead of traditional treatments.
23. Failure to follow post-operative care instructions can lead to .
24. Occupational health focuses on minimizing workplace to hazardous materials.
25. Some medications may cause minor such as drowsiness or dizziness.
26. nutrition plans are tailored to an individual's specific needs and goals.
27. is a hormone that plays a key role in the menstrual cycle.
28. The menstrual is controlled by fluctuations in hormone levels.
29. Quitting smoking is one of the most ways to improve your health.
30. Regular exercise is an part of a healthy lifestyle.

Answer

Multiple Choice: 1. Electrolytes 2. Vaccines 3. Severe 4. Probiotics 5. Hydration 6. Antibiotics 7. Progesterone 8. Nutrients 9. Immunotherapy 10. Marketers

Gap-Fill: 11. Replenishing 12. Occasional 13. Essential 14. Consult 15. Severe 16. Application 17. Prescription



18. Deficiencies 19. Complications 20. Harmful

Matching sentence: 1. Hydration 2. Alternative 3. Complications 4. Exposures 5. Side effects 6. Personalized
7. Estrogen 8. Cycle 9. Effective 10. Essential

CATEGORY

1. Health - LEVEL2

Date Created

2024/10/06

Author

aimeeyoung99

ESL-NEWS.COM