



Vitamin B3 Supplements May Aid Cancer Cell Survival, Warn Scientists

Description

A new study has questions about popular NAD+ supplements in cancer treatment. These supplements are taken by many people in America to feel more energetic and support healthy aging. They increase levels of NAD+, a molecule that helps cells in the body.

Some cancer patients use these supplements to help with side effects from chemotherapy, which is a type of cancer treatment. However, research suggests this may not be a good idea.

A study from Case Western Reserve University shows that these supplements might help pancreatic cancer cells survive treatment. Pancreatic cancer is very serious, having a low survival rate of just 13% after five years.

The study found that these supplements can give energy to cancer cells. This energy helps the cancer cells escape damage from treatment. In tests, the supplements protected cancer cells from common chemotherapy drugs.

The researchers warn that these supplements may be risky for cancer patients. They suggest that patients talk with their doctors about any supplements they take. More studies are needed to understand these effects better.

Vocabulary List:

1. **supplements** //ˈsʌpləmənts// (noun): extra vitamins or products people take for health
2. **chemotherapy** //ˌkɛməˈθerəpi// (noun): medicine treatment to kill cancer cells
3. **pancreatic** //ˌpæŋkriˈætiːk// (adjective): related to the pancreas, a body organ
4. **molecule** //ˈmɒləˌkjʊl// (noun): very small piece of a chemical substance
5. **survive** //səˈvaɪv// (verb): continue to live after being in danger
6. **researchers** //rɪˈsɜːtʃərz// (noun): people who study and test to learn

Comprehension Questions

Multiple Choice



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1. What is the primary purpose of NAD+ supplements according to the study?
 - Option: To improve digestion
 - Option: To support healthy aging
 - Option: To cure cancer
 - Option: To increase appetite

 2. What type of cancer did the study from Case Western Reserve University focus on?
 - Option: Breast cancer
 - Option: Lung cancer
 - Option: Pancreatic cancer
 - Option: Prostate cancer

 3. What is the five-year survival rate for pancreatic cancer mentioned in the study?
 - Option: 30%
 - Option: 50%
 - Option: 13%
 - Option: 25%

 4. According to the researchers, what should cancer patients do regarding supplements?
 - Option: Stop taking all supplements
 - Option: Discuss with their doctors
 - Option: Take more supplements
 - Option: Ignore their side effects

 5. What effect do NAD+ supplements have on cancer cells according to the study?
 - Option: They kill cancer cells
 - Option: They provide energy to cancer cells
 - Option: They flush out toxins
 - Option: They make patients feel sick

 6. What should be conducted to understand the effects of NAD+ supplements better?
 - Option: More studies
 - Option: No studies
 - Option: Less research
 - Option: More patient surveys

True-False



7. NAD+ supplements are only used for improving digestion.
8. The study suggests that NAD+ supplements may be risky for cancer patients.
9. Pancreatic cancer has a high survival rate of 50% after five years.
10. Chemotherapy is a type of cancer treatment.
11. The study claims that NAD+ supplements can harm cancer cells.
12. Research indicates that NAD+ supplements help cancer cells escape chemotherapy damage.

Gap-Fill

13. Many people take NAD+ supplements in America to feel more energetic and support healthy aging. They increase levels of NAD+, a molecule that helps cells in the _____.
14. Some cancer patients use these supplements to help with side effects from _____.
15. The five-year survival rate for pancreatic cancer is just _____%.
16. The study found that these supplements can give _____ to cancer cells.
17. Researchers warn that these supplements may be risky for cancer _____.
18. More studies are needed to understand these _____ better.

Answer

Multiple Choice: 1. To support healthy aging 2. Pancreatic cancer 3. 13% 4. Discuss with their doctors
5. They provide energy to cancer cells 6. More studies

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

Gap-Fill: 13. body 14. chemotherapy 15. 13 16. energy 17. patients 18. effects

CATEGORY

1. Health - LEVEL1

POST TAG



1. cancer cells
2. ESL learning
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4. Level 1
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6. vitamin B3

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Author

aimeeyoung99

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