

PIG-HEART TRANSPLANT

13TH JANUARY, 2022

MAN GETS FIRST EVER PIG-HEART TRANSPLANT



Doctors in the USA have transplanted a pig's heart into a man. It is the first time this has happened. The doctors are from the University of Maryland Medical Center. They say David Bennett, 57, is doing well after his operation. Mr Bennett was very ill. The doctors said giving him the pig's heart was the only chance of keeping him alive. Bennett spoke to doctors the day before the operation. He said: "It was either die or do this transplant. I want to live. I know it's a shot in the dark, but it's my last choice." The pig's heart came from a genetically-modified pig. Scientists changed the genes of the pig so its heart would be more suitable for a transplant into a human.

The transplant operation took seven hours. Doctors received special permission from U.S. authorities for the experimental surgery. Without it, Mr Bennett would have died. Scientists have been researching pig-organ transplants for years. They believe Mr Bennett's transplant means more transplants could take place in the future. They said this could bring the world, "one step closer to solving the organ shortage crisis". Surgeon Dr Bartley Griffith said: "We are also optimistic that this first-in-the-world surgery will provide an important new option for patients in the future." Mr Bennett hopes his transplant will allow him to live longer. He said: "I look forward to getting out of bed after I recover."

CHAT

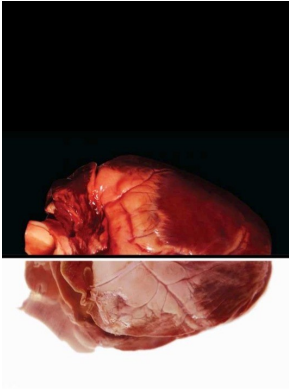
GENES	1
CRISIS	2
OPTIMISTIC	3
DOCTORS	4
TRANSPLANT	5
HEART	6
PIG	7

DISCUSSION

1. What did you think when you read the headline?
2. What images are in your mind when you hear the word 'pig'?
3. What do you know about pigs?
4. What do you think of heart transplants?
5. What do you think of heart transplants using pig hearts?
6. Would you have made the same decision as the man?
7. What do you think of genetically modifying animals?
8. What are the advantages and disadvantages of organ transplants?
9. What three adjectives best describe this story?
10. What advice do you have for Mr Bennett?

SPECIAL POINTS OF INTEREST:

- Present Perfect
- Present perfect continuous
- Direct speech
- Adverb+ P.P noun
- Look forward to



RANKING

Rank these with your partner. Put the most difficult to transplant at the top.

- Heart
- Lungs
- Brain
- Skin
- Kidney
- Liver
- Stomach
- Pancreas

Write your reasons to explain:

- 1- _____
2- _____
3- _____

VOCABULARY (PARAGRAPH 1)

"We are also optimistic that this first-in-the-world surgery will provide an important new option for patients in the future."

- | | |
|-----------------------|--|
| 1) Transplanted | A. Right for a particular person, purpose, or situation. |
| 2) Operation | B. Took something from one body and put it in another body. |
| 3) ill | C. An action whose result cannot know. |
| 4) Alive | D. An act of doctors cutting someone's body to make it better. |
| 5) A shot in the dark | E. Living, not dead. |
| 6) Genes | F. Being sick or having a disease; feeling unwell. |
| 7) Suitable | G. The thing in our body that holds information about us and passes that information on to babies. |

VOCABULARY (PARAGRAPH 2)



- | | |
|---------------|--|
| 1) Permission | A. The action of allowing someone to do a particular thing. |
| 2) Take place | B. Return to a normal state of health, mind, or strength. |
| 3) Organ | C. Happen. |
| 4) Shortage | D. Hopeful and confident about the future. |
| 5) Crisis | E. A part of the body (like the heart lungs, brain, etc.) that has a special function. |
| 6) Optimistic | F. A situation where there is not enough of something. |
| 7) Recover | G. A time of great difficulty or danger. |



WRITE YOUR OWN QUESTIONS!

STUDENT'S QUESTIONS

- (a) _____
- (b) _____
- (c) _____
- (d) _____
- (e) _____

ROLE PLAY

"It was either die or do this transplant. I want to live. I know it's a shot in the dark, but it's my last choice."

You think the **heart** is the most difficult organ to transplant. Tell the others three reasons why.

- 1 _____
- 2 _____
- 3 _____

You think the **brain** is the most difficult organ to transplant. Tell the others three reasons why.

- 1 _____
- 2 _____
- 3 _____

You think the **stomach** is the most difficult organ to transplant. Tell the others three reasons why.

- 1 _____
- 2 _____
- 3 _____



Track 02



WRITE WHAT YOU HEAR!

Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words.

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Pig

ESHRAGH INSTITUTE

"The golden rule for every businessman is this: Put yourself in your customer's place."

-Orison Swett Marden

Heart


Eshragh

ESH RAGH I N S T I T U T E O F F O R E I G N L A N G U A G E S
Y O U R D O O R W A Y T O T H E W O R L D

WRITING

Write about **pig-heart transplant** for 10 minutes.



ESH RAGH I N S T I T U T E
WWW.ESH RAGH - I N S . C O M