

2026年度
入学試験問題

福井医療大学
大学院

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【英語】

医療英語の基礎知識、読解力を問う。

1 次の英文を読んで質問に答えなさい。

問題文につきましては、著作権の関係上、2026年度入学試験問題には掲載しておりません。

Source: "Am I Hearing My Voice Or Someone Else's?" *The New York Times*, February 21, 2023

問 1 以下の質問の答えとして最も適切なものを選び丸印を付けなさい。

1. How do most people feel when they hear their own recorded voice?
A. Comfortable
B. Authentic and natural
C. Like it belongs to someone else
D. Deeper than their real voice
2. What is one hypothesis about the origin of hallucinations?
A. People actually hear other people's voices
B. Their own thoughts sound like another person's voice due to a brain quirk
C. Environmental sounds are transformed into voices
D. Bone conduction problems cause voices to change
3. Why is it difficult to study recognition of one's own voice using recordings?
A. Recording devices are too expensive
B. Recordings do not reproduce the vibrations through the skull
C. The recordings mix with other people's voices
D. The sound disappears too quickly

4. In which situation did bone-conduction headphones improve recognition?

- A. When listening to their own voice
- B. When listening to a friend's voice
- C. When listening to a stranger's voice
- D. When listening to music

5. What possible future application of this research is mentioned?

- A. Supporting foreign language learning
- B. Improving music therapy
- C. Diagnosing psychiatric disorders
- D. Enhancing sports training

問 2 次の質問に英語または日本語で答えなさい。

Why do bone-conduction headphones make it easier for people to recognize their own voices?

2 次の英文を読んで、質問に答えなさい。

問題文につきましては、著作権の関係上、2026年度入学試験問題には掲載しておりません。

Source: " Inspection of chromosomes turns up one reason men are taller than women" *The New York Times International Edition*, June 7-8, 2025

問1 次の英文が本文の内容に合っていれば T (True)、合っていないければ F (False) に丸印を付けなさい。

1. T F On average, men are about five inches taller than women.
2. T F The SHOX gene is found only on the Y chromosome.
3. T F Researchers studied people who had missing or extra X or Y chromosomes.
4. T F In females, most genes on one X chromosome are inactive.
5. T F The SHOX gene may explain the entire difference in height between men and women.

問2 次の質問に英語または日本語で答えなさい。

1. Why do men generally have a higher dose of the SHOX gene than women?
2. Besides the SHOX gene, what else explains most of the average height difference between men and women?

1 次の英文を読んで、質問に答えなさい。

問題文につきましては、著作権の関係上、2026年度入学試験問題には掲載しておりません。

Source: " Infant with rare, incurable disease is first to successfully receive personalized gene therapy treatment" Official news release by National Institute of Health (NIH), May 15, 2025

Original article: Musunuru et al, "Patient-Specific In Vivo Gene Editing to Treat a Rare Genetic Disease." *N Engl J Med. Online, May 15, 2025. DOI: 10.1056/NEJMoa2504747*

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問 1 以下の質問の答えとして最も適切なものを選び丸印を付けなさい。

1. What was the name of the rare genetic disease the infant had?

- A. Cystic fibrosis
- B. CPS1 deficiency
- C. Down syndrome
- D. Hemophilia

2. What gene editing technology was used in this treatment?

- A. RNA interference
- B. TALEN
- C. CRISPR
- D. Gene therapy by viruses

3. Why did the researchers choose to give a low dose first?

- A. They didn't have enough medicine.
- B. They were unsure if it would work.
- C. The baby was too weak.
- D. To make sure it was safe.

4. What can happen when ammonia builds up in the body?

- A. Fever and rash
- B. Improved digestion
- C. Brain damage or coma
- D. Increased energy

5. What made the doctors hopeful about the baby's progress?

- A. The baby began walking early.
- B. The baby reacted well to an infection.
- C. The baby gained weight quickly.
- D. The baby didn't need any surgery.

問 2 次の質問に英語または日本語で答えなさい。

Do you think gene editing technology should be used more for rare diseases? Why or why not?

2 次の英文を読んで、質問に答えなさい。

問題文につきましては、著作権の関係上、2026年度入学試験問題には掲載しておりません。

Source: " Periodontal Disease Bacteria Work to Promote Influenza Infection "

Asahi Shimbun Apital, February 19, 2025

問1 次の英文が本文の内容に合っていれば T (True)、合っていないならば F (False) に丸印を付けなさい。

1. T F Periodontal disease affects less than 10% of elderly people.
2. T F The Nihon University team studied the effect of periodontal bacteria on influenza using animal cells.
3. T F The enzyme produced by periodontal bacteria makes influenza viruses more infectious.
4. T F Infection was suppressed when the enzyme was inhibited.
5. T F The researchers have already confirmed the same mechanism in humans.

問2 次の質問に英語または日本語で答えなさい。

1. Explain how periodontal disease bacteria can increase influenza infection, based on the article.

2. In your opinion, why is oral care important not only for dental health but also for overall health? Give examples.

1

問 1

1. C 2. B 3. B 4. A 5. C

問 2

Because bone-conduction headphones transmit vibrations through the skull, they recreate part of the natural experience of hearing one's own voice, making it easier to recognize.

2

問 1

1. T 2. F 3. T 4. T 5. F

問 2

1. Men have both an active X chromosome with SHOX and an active Y chromosome with SHOX, while women have two X chromosomes but one is mostly inactive, giving them a lower dose.

2. Male sex hormones (such as testosterone) account for most of the rest of the height difference.

1

問1

1. B 2. C 3. D 4. C 5. B

問2

Model answer:

Yes, I think gene editing should be used more for rare diseases because many of them have no cure and are very dangerous. Gene editing offers a way to treat the root cause of the disease. It can give patients hope and improve their quality of life.

2

問1

1. F 2. T 3. T 4. T 5. F

問2

1.

Periodontal disease bacteria produce a proteolytic enzyme that cuts the protein on the surface of the influenza virus. This change makes the virus more infectious to cells, which increases the risk of infection.

2.

Model answer:

Oral care is important because bacteria in the mouth can affect other diseases. For example, the article shows that periodontal bacteria may make influenza infection worse. Good oral care can prevent not only tooth loss but also respiratory infections like pneumonia. It may also reduce the risk of new virus infections such as COVID-19. Therefore, keeping the mouth clean helps protect the whole body.