

Reading: Page 22, exercise 3

3 Read the website article and complete it with five words from exercise 2.

Answers

1 **implant** 2 **dementia** 3 **scanner** 4 **pill** 5 **side effects**

Speaking: Page 23, exercises 4, 5 and 6

4 Look at the third sub-heading in the article. How far do you think this is true? Give reasons.

Suggested answer

This website is promoting medical advances, so its information may be exaggerated. The new drug may be less effective than the article claims. In addition, the text says 'so far' treatment is going well; it does not say it has been proven to work.

5 Make correct sentences about the future.

1 He / hope / become a teacher one day.

2 I / intend / apply for a job when I finish university.

3 Many hospitals / plan / use robots to help nurses in the future.

4 How / you / intend / solve the problem?

5 Our school / hope / raise enough money to build a new library.

6 you / intend / buy tickets for the play?

Answers

1 He **hopes** to become a teacher one day.

2 I **intend** to apply for a job when I finish university.

3 Many hospitals **plan** to use robots to help nurses in the future.

4 How **do you intend** to solve the problem?

5 Our school **hopes** to raise enough money to build a new library.

6 **Do you intend** to buy tickets for the play?

**6 What do you hope, intend and plan to do in the future?
Work in pairs.**

Answer

**I hope to do a course in Medicine to help people in need.
I intend to travel to Britain to study linguistics.**

**7 Look at this photograph showing the subject of a talk.
What do you think the talk is going to be about? Listen and
Check.**

Audioscript

Presenter: Welcome to the Science and Technology Conference! Our speaker today is Professor Wilkins. He's going to talk about robots and how the medical sciences will be using them in the future.

Professor: Thank you. As I'm sure you are aware, technology is rapidly changing the way medical science is being used. We already use robots in lots of different areas of medicine. I know a lot of you in the audience are nurses. You might be wondering, will I still be working as a nurse in ten years' time, or will a robot be doing my job?

It's true that, in the future, robots will be doing more and more jobs in hospitals. In the USA, the UK and Australia, hospitals are using robots to interact with patients after they've had operations, collect drugs from the hospital pharmacy, and even visit patients in the ward when the doctor is not available. The doctor can talk to the patient via the screen on these robots. In Japan, scientists have been working on a robot which can lift a patient off the floor and into a wheelchair. Lifting patients is one of the most difficult tasks for nurses and can be carried out as many as 40 times per day. Medical professionals hope that robots like this one will be doing a lot of this kind of work in the future. It also seems very likely that robots will be carrying out surgery, too. There are a few surgical operations that require a lot of detailed work. For example, in cancer cases it is vitally important to remove all the cancer cells, but leave the healthy cells in place. In some operations, scanners are used to locate these cancerous cells, and these locations are sent directly to the robot surgeon. It is also very likely that robots will be sorting and delivering drugs, a task that requires absolute accuracy and speed. So, to conclude, if you are a nurse, don't worry about losing your job to a robot. In ten years' time, a robot will probably be working alongside you, but only to make your job easier. It certainly won't replace you.

Answer:

The talk is about robots and how the medical sciences will be using them in the future.

Comprehension: Page 23, exercise 8

8 Listen again and answer the questions.

1 How will robots be able to help doctors when they are not available for face-to-face consultations with patients?

2 In Japan, what task are scientists developing robots to perform?

3 What kind of operations will robots be used in? Why?

4 Why are robots particularly suited to sorting and delivering medicine?

Answers

1 The robot can visit the patient in the hospital and the doctor can talk to the patient via a screen.

2 In Japan, scientists are working on a robot which will be able to lift a patient off the floor and into a wheelchair.

3 They will be used to help in operations that require detailed work. This kind of work is better suited to robots than humans.

4 The task requires accuracy and speed, something that is very suitable for robots.

Pronunciation: Using the International Phonetic Alphabet – IPA (2)

9 Listen to these words. Write them using the IPA. Check your answers in a dictionary.

1 technology

2 audience

3 healthy

4 carrying

Answers

1 /tekˈnɒlˈdʒi/

2 /ˈɔː diˈəns/

3 /ˈhelθi/

4 /ˈkærliŋ/

Activity Book, page 16, exercise 5

5 Replace the words and phrases in bold with words from the box. One word is not needed.

a coma, dementia, medical trials, pills, symptoms

1. Doctors look at **the signs of illness** before they decide how to treat the patient.

2. Before doctors prescribe drugs to patients, scientists perform **special tests** to make sure the drugs are safe.

3. After Ali's accident, he lay in **an unconscious state** for two weeks.

4. My grandfather has to take a lot of medicine - he takes six different **tablets**.

Answers

1. symptoms 2. Medical trials 3. A coma 4. Pills

Activity Book, page 16, exercises 6 /Speaking

6 Read the following sentences, then talk about yourself. Use **hope**, **plan** and **intend**.

- I **intend** to study Medicine at university. Then I **hope** to work in the hospital near **my hometown**.
- I **hope** to be an engineer one day. I'm **planning** to get some work experience before I go to university.
- I **hope** to do well in my exams this year. Then I **intend** to go to university and study Archaeology.

- I **plan** to go abroad when I leave school. I **intend** to improve my English. Then I **hope** to return to Jordan and get a good job.