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Level 6 – 25th December, 2019

Head transplants possible by 2030, say doctors

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<https://breakingnewsenglish.com/1912/191225-head-transplants.html>

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Please try Levels 4 and 5 (they are easier).

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THE ARTICLE

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

It is either science fiction or a plot from a horror movie, but a neurosurgeon said head transplants could be possible by the year 2030. Transplant surgery has come on leaps and bounds in the last few decades. Organ transplants are commonplace and this past decade has seen face transplants. The next decade could see whole heads being transplanted. Neurosurgeon Bruce Mathew explained why he believes this is possible. He was actually working with author Michael J Lee on a science fiction novel. He said: "Initially, our intention was just to brainstorm an idea and it seemed rather silly, but then I realised, it actually isn't. If you transplant the brain and spinal cord together, it's not impossible."

Doctor Matthew, 63, has performed over 10,000 operations. He claims that head transplants would only be possible if the head was accompanied by the whole of its spinal cord. Advancements in nerve and spinal cord surgery, robotics and stem cell transplants mean it could be possible to attach an entire spinal cord and head to another body before 2030. Dr Matthew continued: "The thought of keeping the spinal cord in one piece has always been totally daunting, but now with modern technology you can do most things." Matthew also believes that consciousness would also move with the head and spinal cord from one body to another. The technology could treat spinal cord injuries and diseases like muscular dystrophy.

Sources: <https://www.thesun.co.uk/news/10607168/frankenstein-like-head-transplants-happen-by-2030/>
<https://www.independent.co.uk/news/science/human-head-transplant-spinal-cord-nhs-chrysalis-bruce-mathew-canavero-neurosurgeon-a9256841.html>
<https://www.mirror.co.uk/news/uk-news/human-head-transplants-just-decade-21147648>

WARM-UPS

1. HEADS: Students walk around the class and talk to other students about heads. Change partners often and share your findings.

2. CHAT: In pairs / groups, talk about these topics or words from the article. What will the article say about them? What can you say about these words and your life?

science / fiction / neurosurgeon / transplants / decade / author / intention / brainstorm operations / spinal cord / robotics / body / technology / body / consciousness / diseases

Have a chat about the topics you liked. Change topics and partners frequently.

3. UNETHICAL: Students A **strongly** believe head transplants are unethical; Students B **strongly** believe the opposite. Change partners again and talk about your conversations.

4. TRANSPLANTS: What do you think of these transplants? What are the good and bad things about them? Complete this table with your partner(s). Change partners often and share what you wrote.

	What Do You Think?	Good Things	Bad Things
Head			
Heart			
Face			
Eye			
Hair			
Hand			

5. HEAD: Spend one minute writing down all of the different words you associate with the word "head". Share your words with your partner(s) and talk about them. Together, put the words into different categories.

6. 2030: Rank these with your partner. Put the things most likely to happen by 2030 at the top. Change partners often and share your rankings.

- Head transplants
- Jet packs
- Flying cars
- Space travel
- A carbon-neutral world
- World peace
- President Ivanka Trump
- Language injections

VOCABULARY MATCHING

Paragraph 1

- | | |
|---------------------|--|
| 1. plot | a. A period of ten years. |
| 2. neurosurgeon | b. The main events and storyline of a play, novel or movie. |
| 3. leaps and bounds | c. A lot. |
| 4. decade | d. Having or showing a lack of common sense or judgment; absurd and foolish. |
| 5. author | e. Something long and thin that is used for tying things, or connecting things in the body. |
| 6. silly | f. A doctor specializing in surgery on the nervous system, especially the brain and spinal cord. |
| 7. cord | g. The writer of a book, article, or report. |

Paragraph 2

- | | |
|-------------------|--|
| 8. operation | h. With no part left out; whole. |
| 9. accompanied | i. Give medical care or attention to; try to heal or cure. |
| 10. attach | j. The state of being awake and aware of one's surroundings. |
| 11. entire | k. Fasten or join together. |
| 12. daunting | l. Seeming difficult to deal with in anticipation; intimidating. |
| 13. consciousness | m. An act of surgery performed on a patient. |
| 14. treat | n. Was present or occurred at the same time as something else. |

BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

1. TRUE / FALSE: Read the headline. Guess if a-h below are true (T) or false (F).

- a. A neurosurgeon has written a new science fiction horror story. **T / F**
- b. People who need a head transplant must first leap and bound. **T / F**
- c. The doctor got the head transplant idea while working with an SF writer. **T / F**
- d. The doctor said the head can be transplanted without the spinal cord. **T / F**
- e. The neurosurgeon has performed more than 10,000 operations. **T / F**
- f. Robotics and stem cell technology could help with head transplants. **T / F**
- g. The doctor said head transplants were daunting. **T / F**
- h. The doctor said consciousness would not move with the head. **T / F**

2. SYNONYM MATCH:

Match the following synonyms. The words in **bold** are from the news article.

- | | |
|---------------------|---------------|
| 1. plot | a. understood |
| 2. come on | b. at first |
| 3. whole | c. formidable |
| 4. initially | d. entire |
| 5. realised | e. fasten |
| 6. performed | f. cure |
| 7. attach | g. storyline |
| 8. daunting | h. illnesses |
| 9. treat | i. advanced |
| 10. diseases | j. done |

3. PHRASE MATCH: (Sometimes more than one choice is possible.)

- | | |
|----------------------------------|------------------------------|
| 1. a plot from | a. believes this is possible |
| 2. surgery has come on leaps | b. technology |
| 3. Organ transplants are | c. with the head |
| 4. Mathew explained why he | d. commonplace |
| 5. spinal | e. daunting |
| 6. keeping the spinal cord | f. a horror movie |
| 7. totally | g. muscular dystrophy |
| 8. modern | h. and bounds |
| 9. consciousness would also move | i. cord |
| 10. diseases like | j. in one piece |

GAP FILL

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

It is either science fiction or a (1) _____ from a horror movie, but a neurosurgeon said head transplants could be possible by the year 2030. Transplant surgery has come on (2) _____ and bounds in the last few decades. Organ transplants are (3) _____ and this past decade has seen face transplants. The next decade could see (4) _____ heads being transplanted. Neurosurgeon Bruce Mathew explained why he believes this is possible. He was (5) _____ working with author Michael J Lee on a science fiction (6) _____. He said: "Initially, our intention was just to brainstorm an idea and it seemed rather (7) _____, but then I realised, it actually isn't. If you transplant the brain and spinal cord (8) _____, it's not impossible."

commonplace

actually

plot

together

whole

silly

leaps

novel

Doctor Matthew, 63, has performed over 10,000 operations. He (9) _____ that head transplants would only be possible if the head was (10) _____ by the whole of its spinal cord. Advancements in (11) _____ and spinal cord surgery, robotics and stem cell transplants mean it could be possible to (12) _____ an entire spinal cord and head to another body before 2030. Dr Matthew continued: "The thought of keeping the spinal cord in one (13) _____ has always been totally (14) _____, but now with modern technology you can do most things." Matthew also believes that (15) _____ would also move with the head and spinal cord from one body to another. The technology could treat spinal cord injuries and diseases like (16) _____ dystrophy.

daunting

attach

muscular

accompanied

consciousness

claims

piece

nerve

LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

- 1) It is either science fiction or a plot from _____
 - a. a horrific movie
 - b. a horrible movie
 - c. a horrors movie
 - d. a horror movie
- 2) Transplant surgery has come on leaps and bounds in the _____
 - a. last few decades
 - b. last through decades
 - c. last for decades
 - d. last few decades
- 3) this past decade has seen face transplants. The next decade could _____
 - a. see whole heads
 - b. see hole heads
 - c. see holy heads
 - d. see whale heads
- 4) Initially, our intention was just to brainstorm an idea and it _____
 - a. seem rather silly
 - b. seemed lather silly
 - c. seemed rather silly
 - d. seems rather silly
- 5) If you transplant the brain and spinal cord together, _____
 - a. it's not impossibly
 - b. it's not impossible
 - c. it's not impossibility
 - d. it's not possible
- 6) Doctor Matthew, 63, has performed over _____
 - a. 100,000 operation
 - b. 10,000 operational
 - c. 10,000 operations
 - d. 10,000 operatives
- 7) Advancements in nerve and spinal cord surgery, robotics _____
 - a. an stem cell
 - b. and stem cell
 - c. on stem cell
 - d. in stem cell
- 8) transplants mean it could be possible to attach an _____
 - a. entire spinal cord
 - b. entirely spinal cord
 - c. entirety spinal cord
 - d. entry spinal cord
- 9) keeping the spinal cord in one piece has always _____
 - a. been totally haunting
 - b. been totally jaunting
 - c. been totally taunting
 - d. been totally daunting
- 10) The technology could treat spinal cord injuries and diseases like _____
 - a. muscles dystrophy
 - b. muscular dystrophy
 - c. muscle dystrophy
 - d. masculine dystrophy

LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

It is either science (1) _____ plot from a horror movie, but a neurosurgeon said head transplants could be possible by the year 2030. Transplant surgery has come on (2) _____ in the last few decades. Organ transplants are commonplace and (3) _____ has seen face transplants. The next decade could see whole heads being transplanted. Neurosurgeon Bruce Mathew explained (4) _____ this is possible. He was actually working with author Michael J Lee on a science fiction novel. He said: "Initially, our intention was just to brainstorm an idea and it (5) _____, but then I realised, it actually isn't. If you transplant the brain and (6) _____, it's not impossible."

Doctor Matthew, 63, has performed over 10,000 operations. He claims that head transplants would only be possible if the head (7) _____ the whole of its spinal cord. Advancements in nerve and spinal cord surgery, (8) _____ cell transplants mean it could be possible (9) _____ entire spinal cord and head to another body before 2030. Dr Matthew continued: "The thought of keeping the spinal cord in one piece has always (10) _____, but now with modern technology you can do most things." Matthew also believes that (11) _____ move with the head and spinal cord from one body to another. The (12) _____ spinal cord injuries and diseases like muscular dystrophy.

COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

1. What kind of movie did the article liken head transplants to?
2. How did the article say head transplants had come on?
3. Who was the neurosurgeon working with when he came up with his idea?
4. What did the neurosurgeon originally want to do with Michael J Lee?
5. What did the doctor say had to be transplanted with the head?
6. How many operations has the doctor performed?
7. What kind of surgery has there been advances in?
8. What did the doctor say about keeping the spinal cord in one piece?
9. What did the doctor say allows us to do most things?
10. What disease did the doctor say the new technology could treat?

MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

- 1) What kind of movie did the article liken head transplants to?
 - a) science fiction movies
 - b) horror movies
 - c) action movies
 - d) hospital movies
- 2) How did the article say head transplants had come on?
 - a) slowly
 - b) with a frog in its step
 - c) in leaps and bounds
 - d) head and shoulders above the rest
- 3) Who was the neurosurgeon working with when he came up with his idea?
 - a) his son
 - b) a patient
 - c) a famous doctor
 - d) an author
- 4) What did the neurosurgeon originally want to do with Michael J Lee?
 - a) get his autograph
 - b) brainstorm ideas
 - c) learn about writing
 - d) go skiing
- 5) What did the doctor say had to be transplanted with the head?
 - a) the spinal cord
 - b) the spine
 - c) skin from the neck
 - d) white blood cells
- 6) How many operations has the doctor performed?
 - a) over 10,000
 - b) just fewer than 10,000
 - c) exactly 10,000
 - d) tens of thousands
- 7) What kind of surgery has there been advances in?
 - a) robotic surgery
 - b) brain surgery
 - c) open-heart surgery
 - d) nerve and spinal cord surgery
- 8) What did the doctor say about keeping the spinal cord in one piece?
 - a) it was delicate
 - b) it was tricky
 - c) it was daunting
 - d) it was highly possible
- 9) What did the doctor say allows us to do most things?
 - a) self belief
 - b) nurses
 - c) money
 - d) modern technology
- 10) What disease did the doctor say the new technology could treat?
 - a) lumbago
 - b) muscular dystrophy
 - c) rheumatism
 - d) arthritis

ROLE PLAY

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

Role A – World Peace

You think world peace is the most achievable thing by 2030. Tell the others three reasons why. Tell them what is unachievable about their things. Also, tell the others which is the least achievable of these (and why): space travel, head transplants or language injections.

Role B – Space Travel

You think space travel is the most achievable thing by 2030. Tell the others three reasons why. Tell them what is unachievable about their things. Also, tell the others which is the least achievable of these (and why): world peace, head transplants or language injections.

Role C – Head Transplants

You think head transplants are the most achievable thing by 2030. Tell the others three reasons why. Tell them what is unachievable about their things. Also, tell the others which is the least achievable of these (and why): space travel, world peace or language injections.

Role D – Language Injections

You think language injections are the most achievable thing by 2030. Tell the others three reasons why. Tell them what is unachievable about their things. Also, tell the others which is the least achievable of these (and why): space travel, head transplants or world peace.

AFTER READING / LISTENING

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

1. WORD SEARCH: Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words 'head' and 'transplant'.

head	transplant

- Share your findings with your partners.
- Make questions using the words you found.
- Ask your partner / group your questions.

2. ARTICLE QUESTIONS: Look back at the article and write down some questions you would like to ask the class about the text.

- Share your questions with other classmates / groups.
- Ask your partner / group your questions.

3. GAP FILL: In pairs / groups, compare your answers to this exercise. Check your answers. Talk about the words from the activity. Were they new, interesting, worth learning...?

4. VOCABULARY: Circle any words you do not understand. In groups, pool unknown words and use dictionaries to find their meanings.

5. TEST EACH OTHER: Look at the words below. With your partner, try to recall how they were used in the text:

<ul style="list-style-type: none">• horror• leaps• past• actually• idea• together	<ul style="list-style-type: none">• over• robotics• thought• modern• move• treat
--	---

HEADS SURVEY

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

Write five GOOD questions about heads in the table. Do this in pairs. Each student must write the questions on his / her own paper.

When you have finished, interview other students. Write down their answers.

	STUDENT 1 _____	STUDENT 2 _____	STUDENT 3 _____
Q.1.			
Q.2.			
Q.3.			
Q.4.			
Q.5.			

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

HEADS DISCUSSION

STUDENT A's QUESTIONS (Do not show these to student B)

1. What did you think when you read the headline?
2. What images are in your mind when you hear the word 'head'?
3. What do you think of organ transplants?
4. Do you prefer science fiction movies or horror movies?
5. What do you think of head transplants?
6. What are the ethical concerns regarding head transplants?
7. What problems might occur with a head transplant?
8. Do you think head transplants are like the Frankenstein story?
9. Are there any parts of the body that cannot be transplanted?
10. What questions would you ask someone having a head transplant?

Head transplants possible by 2030, say doctors – 25th December, 2019
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HEADS DISCUSSION

STUDENT B's QUESTIONS (Do not show these to student A)

11. Did you like reading this article? Why/not?
12. What do you think of when you hear the word 'transplant'?
13. What do you think about what you read?
14. What do you know about the spinal cord?
15. How would you feel if you woke up in a new body?
16. Do you think a body could be made from 'spare parts' in the future?
17. Would the head retain its memories?
18. What three adjectives best describe this story?
19. Are the neurosurgeons playing the role of God?
20. What questions would you like to ask the neurosurgeon?

DISCUSSION (Write your own questions)

STUDENT A's QUESTIONS (Do not show these to student B)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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DISCUSSION (Write your own questions)

STUDENT B's QUESTIONS (Do not show these to student A)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

LANGUAGE - CLOZE

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

It is (1) _____ science fiction or a plot from a horror movie, but a neurosurgeon said head transplants could be (2) _____ by the year 2030. Transplant surgery has come on leaps and bounds in the last few decades. Organ transplants are commonplace and this past decade has (3) _____ face transplants. The next decade could see whole heads being transplanted. Neurosurgeon Bruce Mathew explained why he (4) _____ this is possible. He was actually working with author Michael J Lee on a science (5) _____ novel. He said: "Initially, our intention was just to brainstorm an idea and it seemed rather (6) _____, but then I realised, it actually isn't. If you transplant the brain and spinal cord together, it's not impossible."

Doctor Matthew, 63, has (7) _____ over 10,000 operations. He claims that head transplants would only be possible if the (8) _____ was accompanied by the whole of its spinal cord. Advancements in nerve and spinal cord (9) _____, robotics and stem cell transplants mean it could be possible to attach an entire spinal cord and head to another body before 2030. Dr Matthew continued: "The thought of keeping the spinal cord in one piece has always been totally (10) _____, but now with modern technology you can do most things." Matthew also believes that (11) _____ would also move with the head and spinal cord from one body to another. The technology could (12) _____ spinal cord injuries and diseases like muscular dystrophy.

Put the correct words from the table below in the above article.

- | | | | | |
|-----|---------------|-------------------|-----------------|------------------|
| 1. | (a) even | (b) every | (c) either | (d) ether |
| 2. | (a) possible | (b) possibly | (c) possibility | (d) posse |
| 3. | (a) seen | (b) sought | (c) seeing | (d) sees |
| 4. | (a) believes | (b) beliefs | (c) belies | (d) bellies |
| 5. | (a) dictation | (b) diction | (c) fictional | (d) fiction |
| 6. | (a) hilly | (b) sully | (c) fully | (d) silly |
| 7. | (a) performed | (b) perforated | (c) preferred | (d) preformatted |
| 8. | (a) face | (b) neck | (c) skull | (d) head |
| 9. | (a) surgery | (b) sugary | (c) sage | (d) sagging |
| 10. | (a) haunting | (b) daunting | (c) jaunting | (d) taunting |
| 11. | (a) couscous | (b) consciousness | (c) condolences | (d) cadences |
| 12. | (a) treat | (b) greet | (c) meet | (d) fleet |

SPELLING

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

Paragraph 1

1. science ifcinot
2. a nrougeoeusrn said head transplants could be possible
3. transplants are aoecpmloncm
4. Initially, our ottnneii ...
5. I eersidla, it actually isn't
6. piasln cord

Paragraph 2

7. performed over 10,000 ronoaispte
8. ocdacpanime by the whole
9. it could be possible to tacath
10. totally ntuadgin
11. cnocusseois would also move
12. diseases like uslacmru dystrophy

PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

Number these lines in the correct order.

- (**1**) It is either science fiction or a plot from a horror movie, but a neurosurgeon said head transplants could
- () "Initially, our intention was just to brainstorm an idea and it seemed rather silly, but then I realised, it actually
- () accompanied by the whole of its spinal cord. Advancements in nerve and spinal cord surgery, robotics and stem
- () decade could see whole heads being transplanted. Neurosurgeon Bruce Mathew explained why he believes this is
- () possible. He was actually working with author Michael J Lee on a science fiction novel. He said:
- () cell transplants mean it could be possible to attach an entire spinal cord and head to another body before
- () Doctor Matthew, 63, has performed over 10,000 operations. He claims that head transplants would only be possible if the head was
- () isn't. If you transplant the brain and spinal cord together, it's not impossible."
- () could treat spinal cord injuries and diseases like muscular dystrophy.
- () 2030. Dr Matthew continued: "The thought of keeping the spinal cord in one piece has always been totally
- () be possible by the year 2030. Transplant surgery has come on leaps and bounds in the last few
- () consciousness would also move with the head and spinal cord from one body to another. The technology
- () decades. Organ transplants are commonplace and this past decade has seen face transplants. The next
- () daunting, but now with modern technology you can do most things." Matthew also believes that

PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

1. be transplants head possible . neurosurgeon said A could
2. decade transplants . past This face seen has
3. next transplanted . see heads whole could The decade
4. was intention an to just idea . Our brainstorm
5. transplant If spinal you brain and the cord .
6. was be possible the accompanied . head if Only
7. spinal an attach cord . to Possible entire
8. the cord Keeping in piece . spinal one
9. with the also head . move would Consciousness
10. could The treat technology cord spinal injuries .

CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

It is either science fiction or a *plat / plot* from a horror movie, but a neurosurgeon said head transplants could be *possibility / possible* by the year 2030. Transplant surgery has come on leaps and *pounds / bounds* in the last few decades. Organ transplants are *commonplace / commons* and this past decade has *looked / seen* face transplants. The next decade could see whole heads *being / been* transplanted. Neurosurgeon Bruce Mathew explained why he believes this is possible. He was *actually / actuality* working with author Michael J Lee on a science *fiction / fictional* novel. He said: "Initially, our intention was just to brainstorm an idea and it seemed *rather / lather* silly, but then I realised, it actually isn't. If you transplant the brain and spinal cord *together / with*, it's not impossible."

Doctor Matthew, 63, has *performed / preformed* over 10,000 operations. He claims that head transplants would only be possible if the head was *accompanying / accompanied* by the whole of its spinal cord. Advancements in *nerve / nervous* and spinal cord surgery, robotics and stem *sell / cell* transplants mean it could be possible to attach an *whole / entire* spinal cord and head to *other's / another* body before 2030. Dr Matthew continued: "The thought of keeping the spinal cord *on / in* one piece has always been totally daunting, but now with *modern / modernist* technology you can do most things." Matthew also believes that *precociousness / consciousness* would also move with the head and spinal cord from one body to another. The technology could *threaten / treat* spinal cord injuries and diseases like muscular dystrophy.

Talk about the connection between each pair of words in italics, and why the correct word is correct.

INSERT THE VOWELS (a, e, i, o, u)

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

It's the science fiction report from
harrington, but neurosurgeon said head
transplants could be possible by the year
2030. Transplant surgery has come into
being and bands in the last few decades. Or
gan transplants are common place and this pos-
sible head surgery said science fiction. The next
decade could see whole heads being trans-
planted. Neurosurgeon Bruce Mithew explained
why he believes this is possible. He was con-
tacted by a writer with the title 'Michele J. L.
The science fiction novel. He said: "Intelli-
gently, the internet was just a brain stem
and the mind is made rather slowly, but then
I realized, it's actually isn't. If you trans-
plant the brain and spinal cord together, it
isn't impossible."

Doctor Mithew, 63, has performed over 10,
000 operations. He claims that head trans-
plants would only be possible if the head
was connected by the whole of the spinal
cord. Advances in nerve and spinal cord
surgery, robotics and stem cell transplants
mean it could be possible to attach an entire
spinal cord and head to the body before 2
030. Dr Mithew commented: "The thought
of keeping the spinal cord in the place has
always been totally daunting, but now with
modern technology you can do most things."
Mithew also believes that consciousness would
be moved with the head and spinal cord
from the body to the new. The technology could
be used to transplant organs and diseases
like multiple sclerosis.

PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

it is either science fiction or a plot from a horror movie but a neurosurgeon said head transplants could be possible by the year 2030 transplant surgery has come on leaps and bounds in the last few decades organ transplants are commonplace and this past decade has seen face transplants the next decade could see whole heads being transplanted neurosurgeon bruce mathew explained why he believes this is possible he was actually working with author michael j lee on a science fiction novel he said initially our intention was just to brainstorm an idea and it seemed rather silly but then i realised it actually isnt if you transplant the brain and spinal cord together its not impossible

doctor matthew 63 has performed over 10000 operations he claims that head transplants would only be possible if the head was accompanied by the whole of its spinal cord advancements in nerve and spinal cord surgery robotics and stem cell transplants mean it could be possible to attach an entire spinal cord and head to another body before 2030 dr matthew continued the thought of keeping the spinal cord in one piece has always been totally daunting but now with modern technology you can do most things matthew also believes that consciousness would also move with the head and spinal cord from one body to another the technology could treat spinal cord injuries and diseases like muscular dystrophy.

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/1912/191225-head-transplants.html>

It is either science fiction or a plot from a horror movie, but a neurosurgeon said head transplants could be possible by the year 2030. Transplant surgery has come on leaps and bounds in the last few decades. Organ transplants are common place and this past decade has seen face transplants. The next decade could see whole heads being transplanted. Neurosurgeon Bruce Mathew explained why he believes this is possible. He was actually working with author Michael J Lee on a science fiction novel. He said: "Initially, our intention was just to brainstorm an idea and it seemed rather silly, but then I realised, it actually isn't. If you transplant the brain and spinal cord together, it's not impossible." Doctor Matthew, 63, has performed over 10,000 operations. He claims that head transplants would only be possible if the head was accompanied by the whole of its spinal cord. Advancements in nerve and spinal cord surgery, robotics and stem cell transplants mean it could be possible to attach an entire spinal cord and head to another body before 2030. Dr Matthew continued: "The thought of keeping the spinal cord in one piece has always been totally daunting, but now with modern technology you can do most things." Matthew also believes that consciousness would also move with the head and spinal cord from one body to another. The technology could treat spinal cord injuries and diseases like muscular dystrophy.

HOMework

1. VOCABULARY EXTENSION: Choose several of the words from the text. Use a dictionary or Google's search field (or another search engine) to build up more associations / collocations of each word.

2. INTERNET: Search the Internet and find out more about this news story. Share what you discover with your partner(s) in the next lesson.

3. HEADS: Make a poster about heads. Show your work to your classmates in the next lesson. Did you all have similar things?

4. HEAD TRANSPLANTS: Write a magazine article about head transplants. Include imaginary interviews with people who are for and against them.

Read what you wrote to your classmates in the next lesson. Write down any new words and expressions you hear from your partner(s).

5. WHAT HAPPENED NEXT? Write a newspaper article about the next stage in this news story. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

6. LETTER: Write a letter to an expert on head transplants. Ask him/her three questions about them. Give him/her three of your opinions on them. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

VOCABULARY (p.4)

1. b 2. f 3. c 4. a 5. g 6. d 7. e
8. m 9. n 10. k 11. h 12. l 13. j 14. i

TRUE / FALSE (p.5)

- a F b F c T d F e T f T g T h F

SYNONYM MATCH (p.5)

1. g	2. i	3. d	4. b	5. a
6. j	7. e	8. c	9. f	10. h

COMPREHENSION QUESTIONS (p.9)

1. Horror movies
2. In leaps and bounds
3. An author
4. Brainstorm ideas
5. The spinal cord
6. Over 10,000
7. Nerve and spinal cord surgery
8. It was daunting
9. Modern technology
10. Muscular dystrophy

WORDS IN THE RIGHT ORDER (p.20)

1. A neurosurgeon said head transplants could be possible.
2. This past decade has seen face transplants.
3. The next decade could see whole heads transplanted.
4. Our intention was just to brainstorm an idea.
5. If you transplant the brain and spinal cord.
6. Only be possible if the head was accompanied.
7. Possible to attach an entire spinal cord.
8. Keeping the spinal cord in one piece.
9. Consciousness would also move with the head.
10. The technology could treat spinal cord injuries.

MULTIPLE CHOICE - QUIZ (p.10)

1. b 2. c 3. d 4. b 5. a 6. a 7. d 8. c 9. d 10. b

ALL OTHER EXERCISES

Please check for yourself by looking at the Article on page 2.
(It's good for your English ;-)