

Medical Emergencies

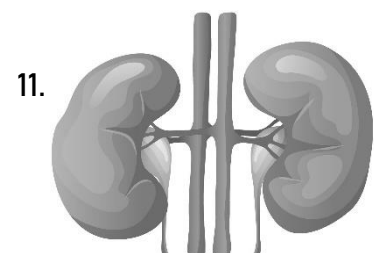
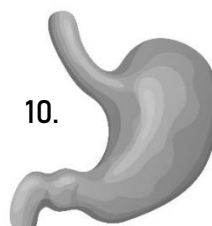
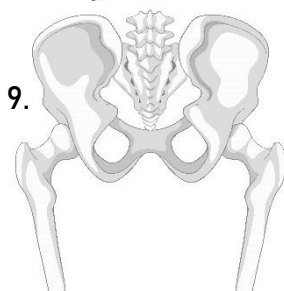
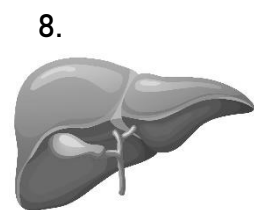
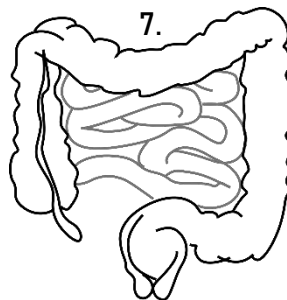
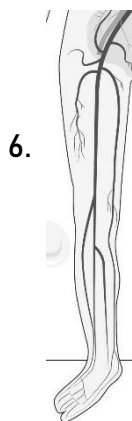
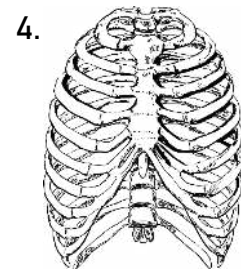
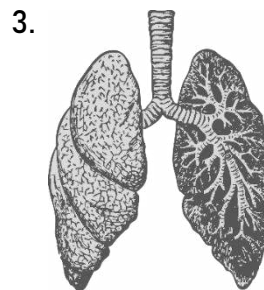
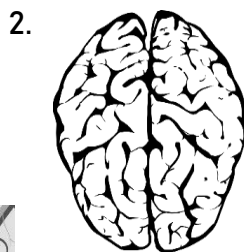
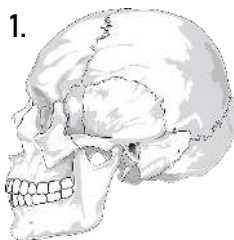
Warm up:

- Do you think a job in the medical industry (i.e. a nurse or doctor) would suit you? Why or why not?
- Have you ever broken a bone? What happened?
- Do you have any scars? How did you get them?
- Are you someone who gets *squeamish* at the site of blood? Are you scared of needles?
- What do you think of the healthcare system in your country? Could it be improved?



1. Match vocabulary in the box to the organs and bones below.

spine **5** veins **6** lungs **3** ribcage **4** liver **8**
 kidneys **11** intestines **7** skull **1** brain **2** hips **9** stomach **10**





2. Use the words in the box to complete the idioms below. Use their definitions on the right to help you.

chin	heart	hand	stomach	thumb	brain	eye
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To give (somebody) a *hand*

To help someone

To keep your *chin* up

To stay positive in a difficult situation

Rule of *thumb*

A good rule to follow most of the time

A no-*brainer*

An easy decision

To keep an *eye* out

To look for something specific

Butterflies in your *stomach*

A feeling of nervousness or anxiety

To know (something) by *heart*

To know something from memory




3. Use the sayings from exercise 2 to complete the sentences. The form or tense of the saying may need to be changed.

- A *good rule of thumb* is to periodically check your spam folder to make sure you haven't missed any important emails.
- Her health is getting worse, and she's running out of money, but somehow she *keeps her chin up/is keeping her chin up*, she always seems cheerful when I see her.
- Every time I fly I get *butterflies in my stomach*, so I usually have a few drinks to calm down.
- Hey this is really heavy, could you *give me a hand*?
- I *know* the national anthem *by heart*, I had to sing it a thousand times as a kid.
- Could you keep an eye out for an ATM? I need to withdraw some cash, and I can't find one.
- Pizza or salad for dinner? That's *no-brainer*, pizza of course!



4. Pairwork: ask and answer the following questions with your partner?

- What song lyrics do you know by heart?
- What is a good rule of thumb for someone in your job/profession?
- In which situations do you get butterflies in your stomach?
- When was the last time you gave a friend a hand with something?

 5. In pairs read about 3 stories of unusual injuries or diseases and describe what you learned to your partner in your own words.

Student A

Coffee Addict

An unconscious 21 year old man was taken to the emergency room of a hospital by his mother. At first the doctors thought he had overdosed on a drug, but he regained consciousness just long enough to say a single word: "coffee". He had binged 8 litres of coffee in an attempt to "pull an all-nighter" while studying for his exams, resulting in an overdose in caffeine. Caffeine forces the body to release adrenaline, which caused several seizures in the man, and eventually a heart attack. Surgeons performed chest compressions and were able to revive him. The man miraculously survived, but his kidneys, unable to keep up with the toxins in his blood, were permanently damaged.

Work Safety

Sarah was rushed to the ER after her arm was caught in a machine at her work at a carpet factory. Her arm had been badly twisted, was broken in multiple places. At first surgeons thought they would have to amputate the arm, but they spent hours of intensive surgery trying to reconstruct her arm using pins and implants. After more than 24 hours in surgery, their efforts were not in vain, and Sarah was able to keep her arm. Today her arm is disfigured, and she has serious nerve damage, but she says she is grateful to have kept her arm.


Student B

No Pain, No Gain


21 year old man named Henry presented to the emergency room suffering from seizures and extremely swollen legs. He was a college athlete who had spent the last few weeks doing extremely intense workouts 3 times a day, including 500 squats. Henry worked out so much that proteins from his muscles began to ooze into his blood stream, eventually pooling in his kidneys. A catheter was inserted into Henry's kidneys to drain the proteins, but unfortunately the proteins had also travelled through his veins to his heart, forming a clot. Surgeons had to operate immediately, performing open heart surgery and removing a kidney. Luckily Henry survived, but his sports career was over.


Spider Bite

JD presented to the emergency room feeling light-headed with a numb leg. He soon lost consciousness, and his pupils were unresponsive when doctors shone light into them, which indicates an absence of cognitive function. Blood tests revealed that he'd had a severe allergic reaction to a spider bite, and a secondary, minor allergic reaction to dog hair, which together caused his blood to become thicker. JD soon had a massive cardiac arrest. The doctors performed CPR, but had no tangible effect. The autopsy revealed his kidneys, heart and brain had been unable to process his blood.

 6. You are going to watch a video about a man who played video games for 73 hours. The underlined words from exercise 5 are used in the video. Match the words to their definitions.

- a) Pointless, without success or result. *In vain*
- b) A flexible tube inserted into the body, usually to remove liquid or pressure. *A catheter*
- c) To feel dizzy and unbalanced. *Light-headed*
- d) An examination of a body done to determine the cause of death. *Autopsy*
- e) A thing that blocks something. *A clot*
- f) To do something excessively, usually to do with eating or drinking. *To binge*
- g) The round opening in the centre of the eye. *A pupil*
- h) A lack of something, a state of not being there. *An absence*.
- i) To change the appearance or shape of something in a negative way. *To disfigure*
- j) A method of restarting a heart by pressing on a person's chest. *CPR*

 Discuss with a partner: what do you think would happen if a person played video games for 3 days straight? What do you think are the most medically dangerous aspects of this?

 7. Watch the video “A man played video games for 73 hours”¹ until 5:40 and answer the questions.

- a) Why did DC's mother kick him out? *Because he stopped looking for a job*
- b) How long did it take for someone to discover DC's unconscious body? *30 mins*
- c) What does the left ventricle do? *It pumps blood to the entire body*
- d) In your own words, what is “venous stasis”? *When sitting down causes blood to pool and clump in legs.*
- e) Why does the right ventricle not need to be as strong as the left ventricle? *Because it supplies blood to the lungs, which are very close by.*
- f) Why was DC's pulse so fast when the paramedics found him? *Because he had “hypoxemia” a low oxygen presence in his blood. The heart was beating so fast to try to compensate for the lack of oxygen in his blood.*



¹ https://www.youtube.com/watch?v=VY-k_YVkrRks&ab_channel=Chubbyemu



8. Pairwork: ask and answer the questions with a partner.

- a) What do you think of the video so far?
- b) Have you ever known anyone who was addicted to video games?
- c) Why do you think some people become addicted to video games?



9. Watch the rest of the video answer the questions.

- a) Why was surgery or a catheter not an option for getting rid of the clot? *Because they would both take too long.*
- b) What two symptoms were indications of brain damage in DC? *Pupils were unresponsive to light, and he was unresponsive to pain.*
- c) What is "Internet Gaming Disorder"? *A serious addiction to online video games*
- d) Did DC survive? *No, the video mentions what they found at his autopsy.*
- e) What advice does the presenter give to gamers? *Keep hydrated and get up every hour or so and walk around.*