Centre of the Cell™

Show information

Trauma 999:
The science of saving lives

Do you know what to do to save a life? Discover the science behind the lifesaving procedures that paramedics and doctors carry out when someone has had a serious physical injury. Find out why trauma is actually categorised as a disease, what happens if you are given the wrong blood type and how researchers are finding new ways to help people to recover better from traumatic injuries.

Running time: 60 minutes

Maximum group size: 120

Suitable for key stages 4 and 5

The show includes sections on the following:

1. What is trauma disease?
2. Blood cells and the effects of blood loss.
3. Blood types and transfusions.
4. The clotting cascade and what happens when it is disrupted – including current research.
5. Nerves – including action potentials.
6. The role of myelin and what happens when it is damaged.
7. Research into nerve damage and regrowth.