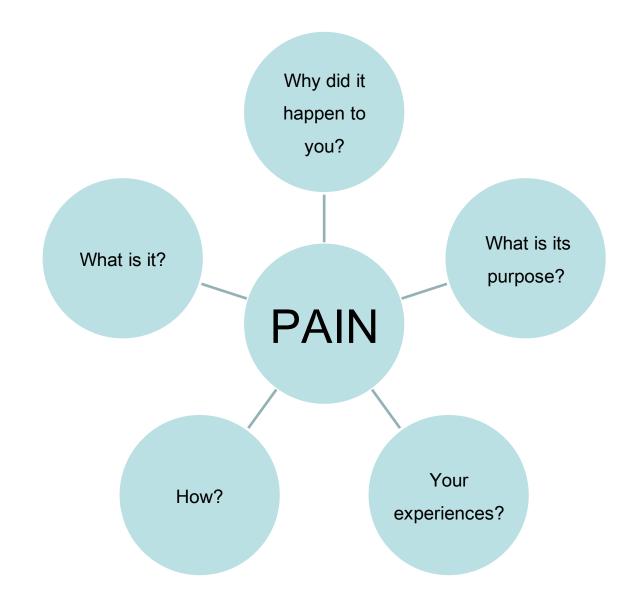
Pain





Introduction

Pain: a natural way of protecting your body

It alerts the body of potential danger

The body responds

 \bigvee

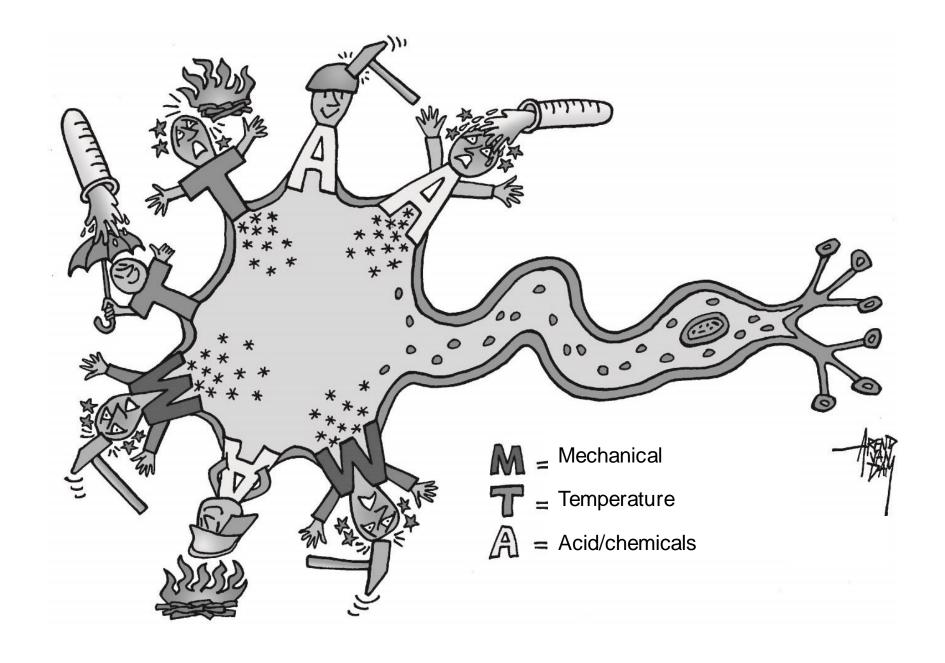
SURVIVAL

Introduction

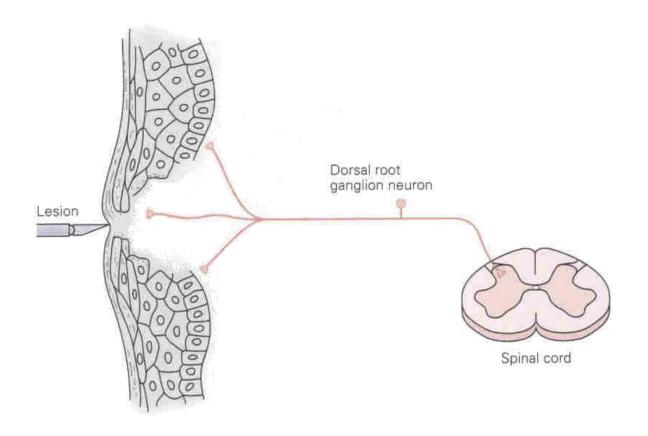
- Acute pain:
 - Clear cause
 - E.g. pain following injury

- Chronic pain:
 - No clear cause
 - duration > 3 months
 - 20% of the general population
 - E.g. chronic headache

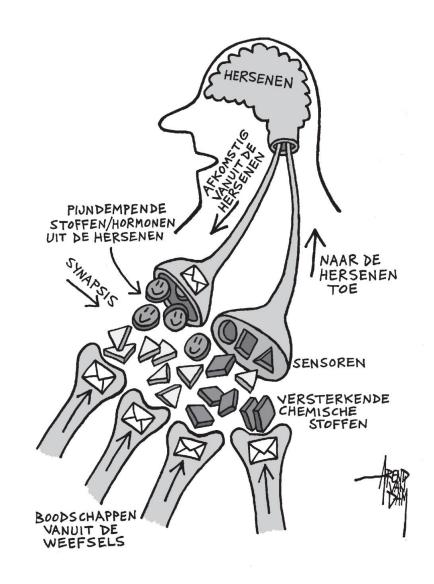
Acute pain mechanisms



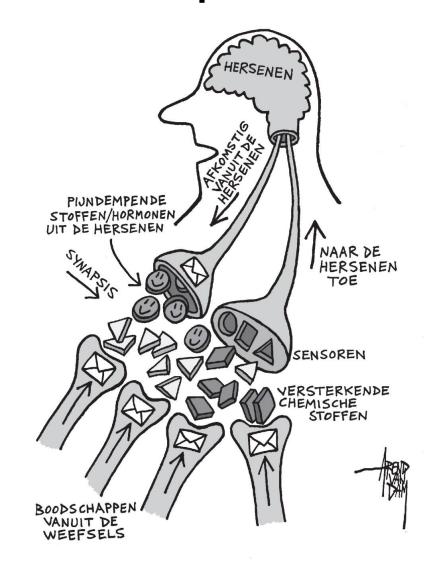
Acute pain mechanisms



The stimulus is transformed into an electrical current that rushes through the nerve (cfr. electrical cable) towards the spinal cord.



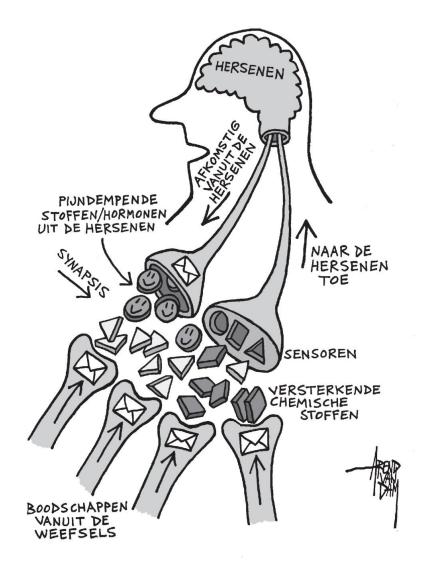
- The danger message can be inhibited by messages arising from the brain (top-down)
- These top-down
 messages work like a
 volume button of a radio:
 they can either
 strengthen or diminish the
 strength.



 The body has a very powerful pain inhibitory system / pain control system, which is 60 times tronger than any type of drug available for pain relief













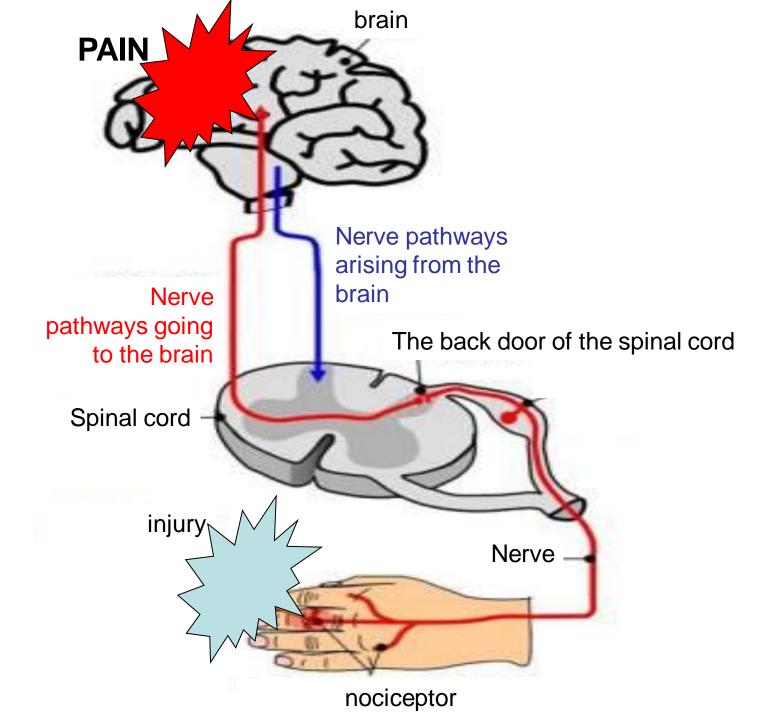
- Tissue damage ≠ pain pain ≠ tissue damage
- Pain without tissue damage exists! :



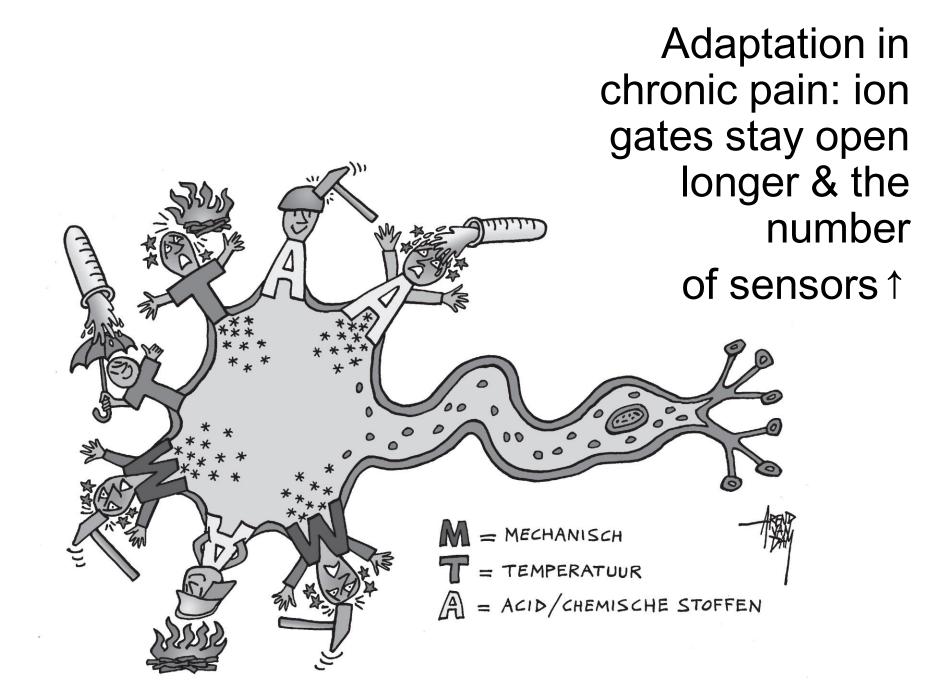


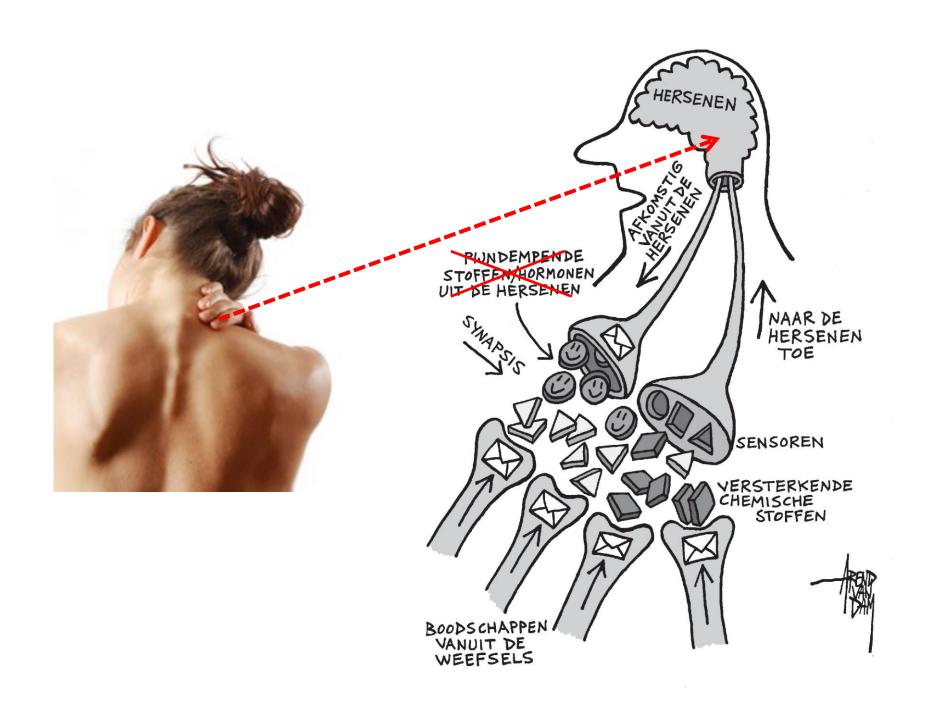






Chronic pain

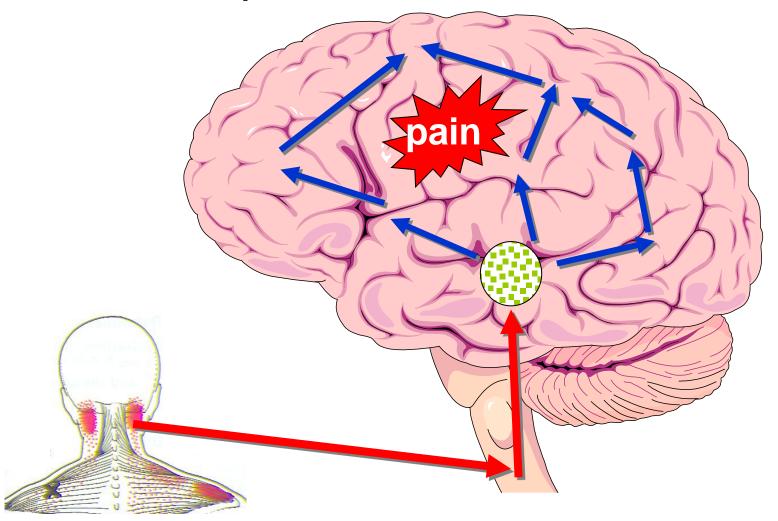




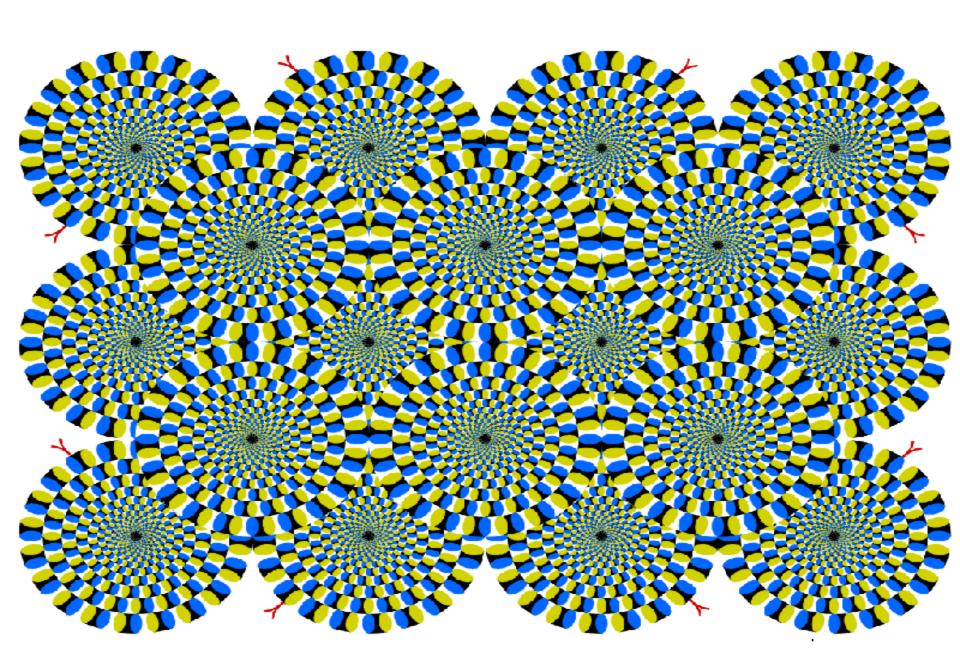
spinal cord neurons normal danger messages sensitization no danger

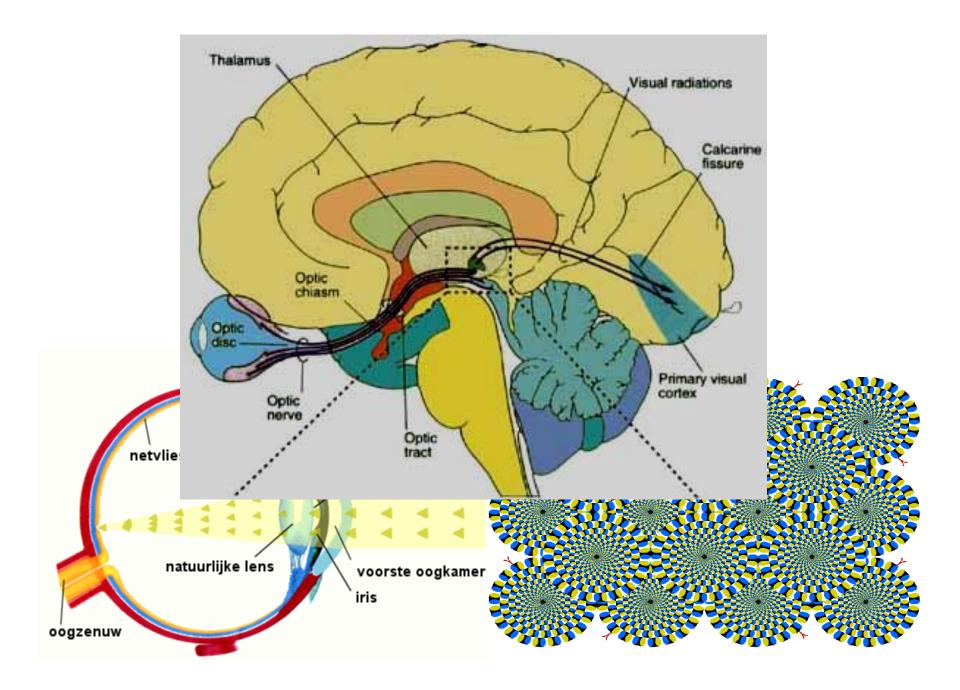
messages

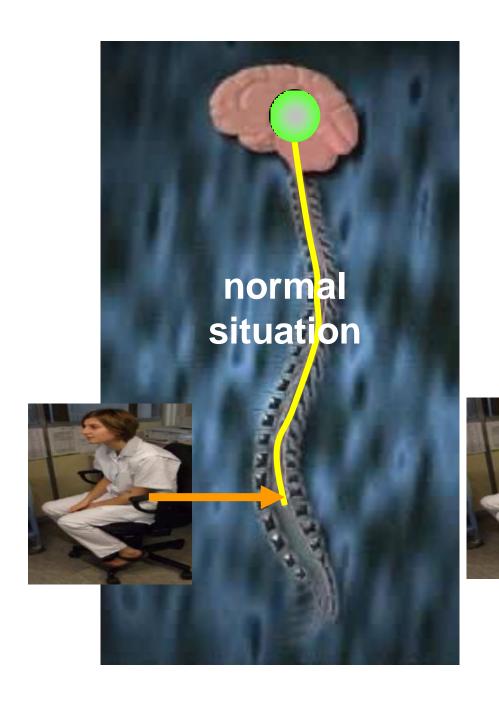
The pain matrix in the brain

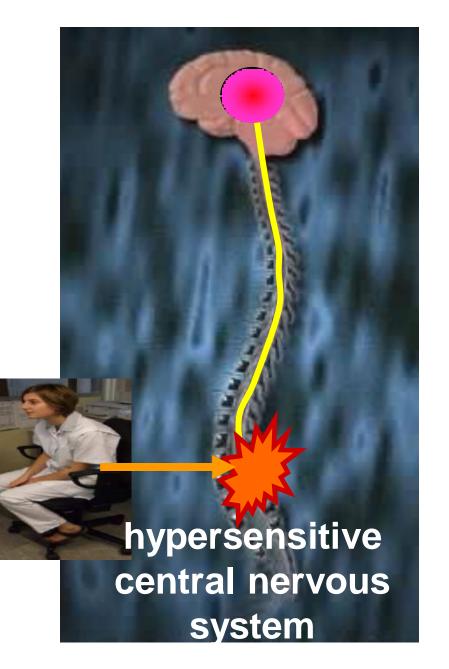


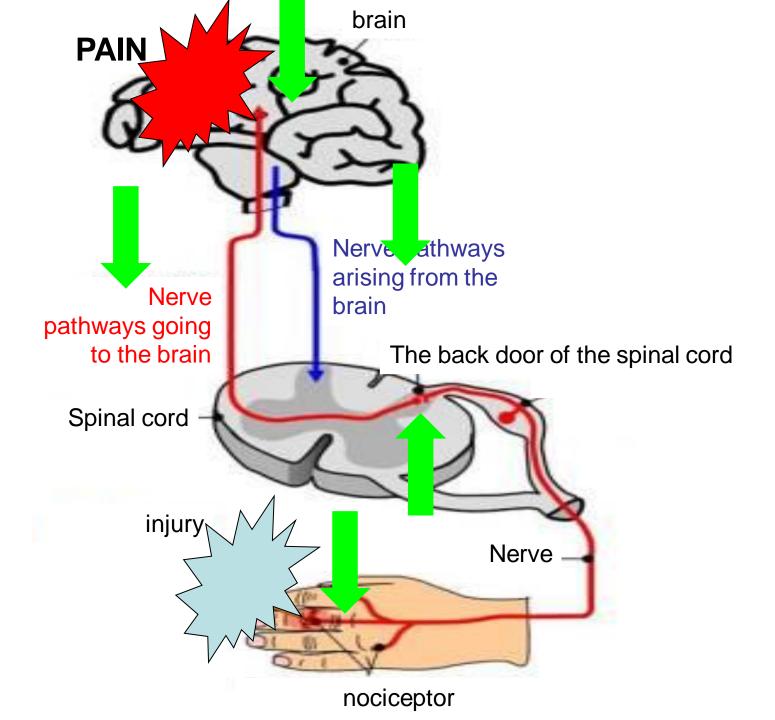
And yet everything is stationary...











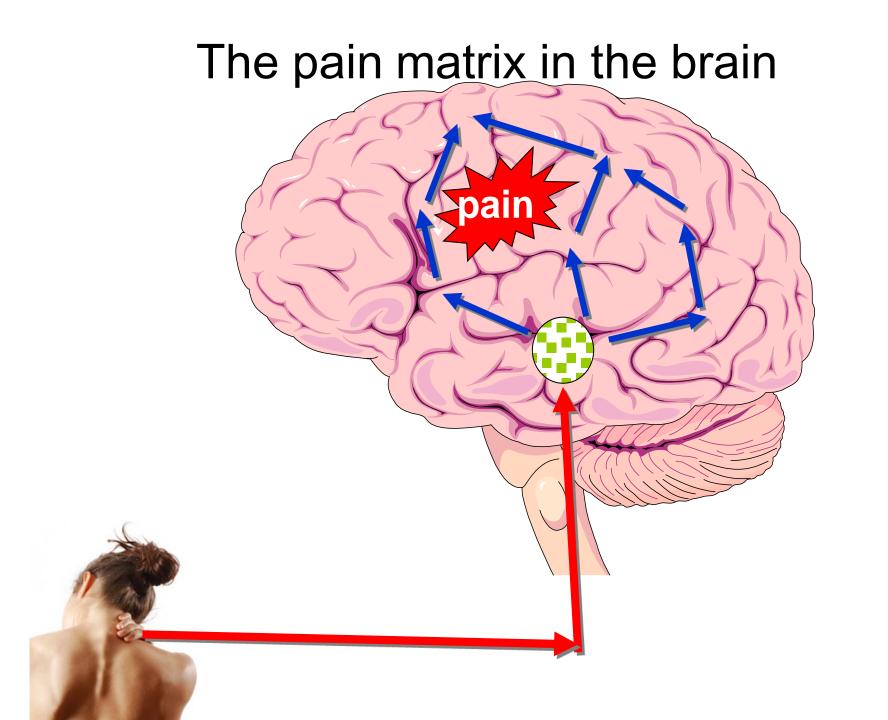
Why did it happen to you?

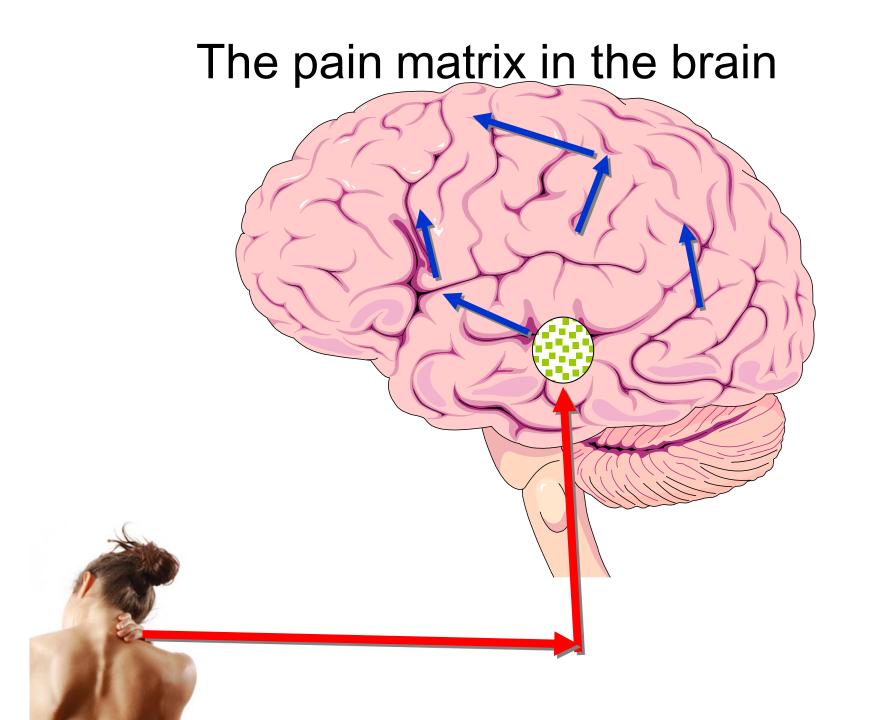
Depending on:

- Amount of tissue damage
 e.g.: broken leg vs. injured toenail
- 2) Genes
- 3) Coping behaviour → This is the only thing we can change!

How do I have to apply this in daily life?

- Less worrying about pain
- Try not to pay too much attention to the pain
- Physical activity!
- Avoid negative thoughts and stress!
- •





Information leaflet

- Read it at home, but not today
- Write down any questions you have
- Ask for clarification the next session