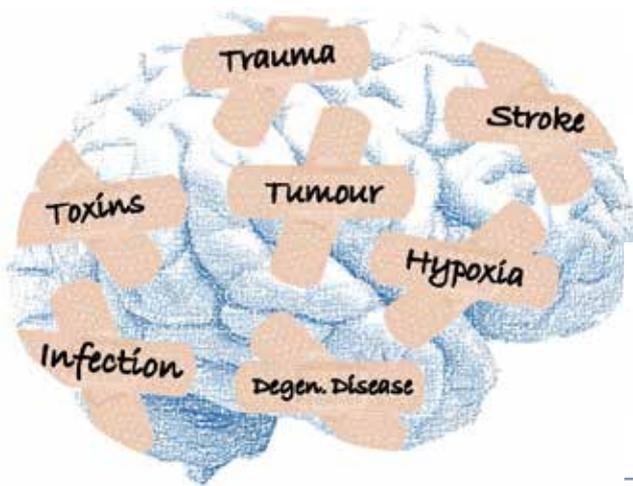


## Acquired Brain Injury

### What is ABI

Acquired Brain Injury describes multiple disabilities that can result from damage to a person's brain at a time after their birth. There are multiple ways a brain can sustain sufficient damage to categorise a person as having an ABI.

### How do Acquired Brain Injuries occur?



<b>TRAUMA</b>	Direct impact
<b>STROKE</b>	Lack of blood and oxygen
<b>TOXINS</b>	Drugs and alcohol
<b>TUMOUR</b>	Growths and surgery
<b>HYPOXIA</b>	Lack of oxygen
<b>DEGEN. DISEASE</b>	Alzheimer's, Parkinson's, Dementia
<b>INFECTION</b>	Toxic consequences

### Brain Injury can have multiple effects

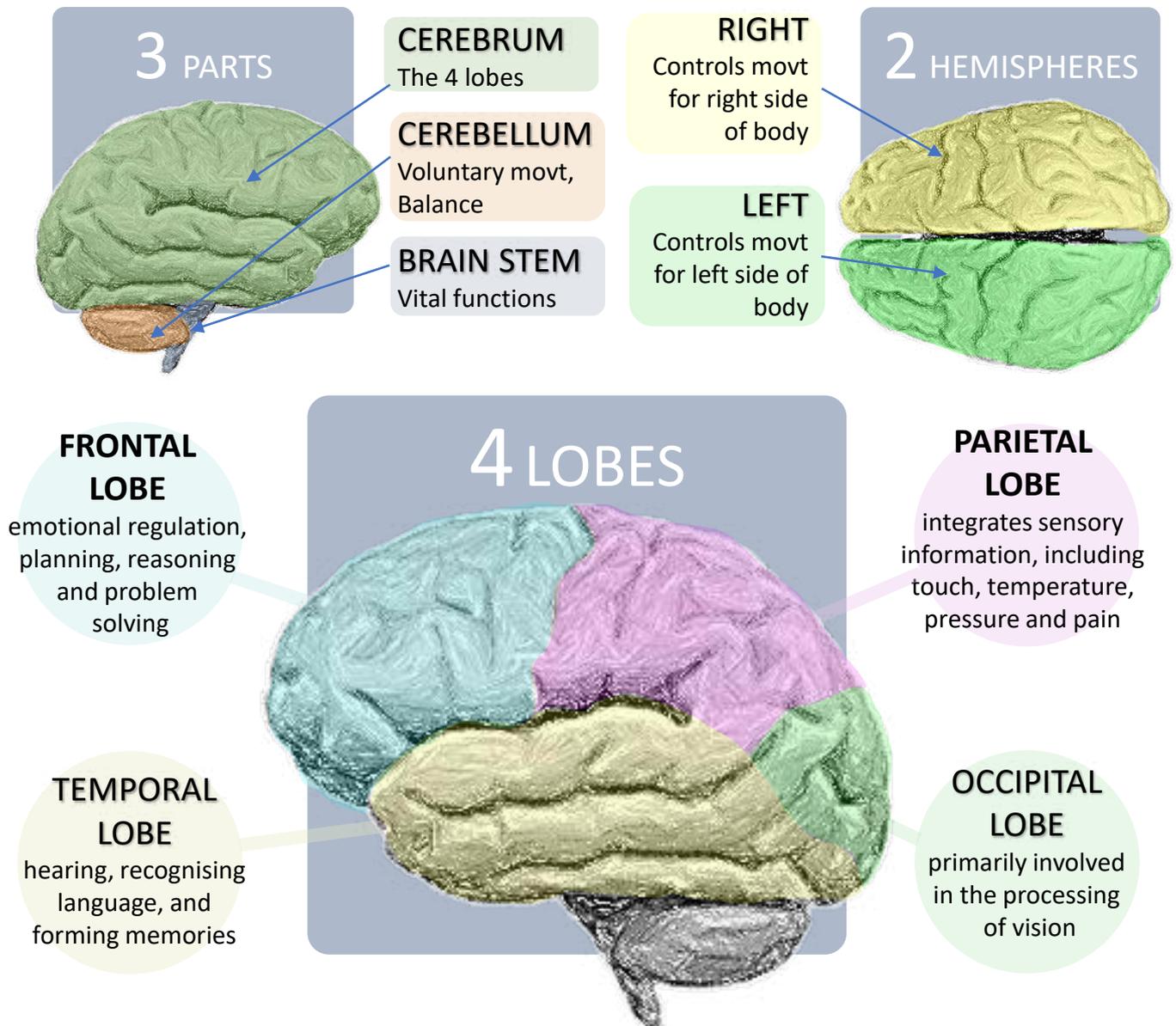
poor memory reduced ability to problem solve  
reduced ability to plan disinhibition  
irritability depression heightened emotions  
poor concentration impulsivity  
reduced capacity to regulate emotions  
lack of consequential decision making  
difficulty absorbing new information aggression

The brain has 100 billion neurons and over a million billion connections. It is a powerful but fragile organ

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# The Brain at a glance

The functioning of Human Brain has become much better known in recent years but this organ is so incredibly complex there is so much more to discover. The whole brain works together but there are some basically grouped areas that seem to do certain jobs...



## ABI and the Criminal Justice System

Damage to any part of the brain can have significant effects. Damage to the Frontal and Temporal Lobes in particular is associated with criminal behaviour and increased aggression.

People who have damage to these areas of their brains may:

- Have difficulties concentrating for long periods
- Not be able to empathise and understand their impact on others
- Have trouble controlling impulses and emotional reactions
- Have challenges being flexible, learning and changing behaviour

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