

Primary motor area (PMA)

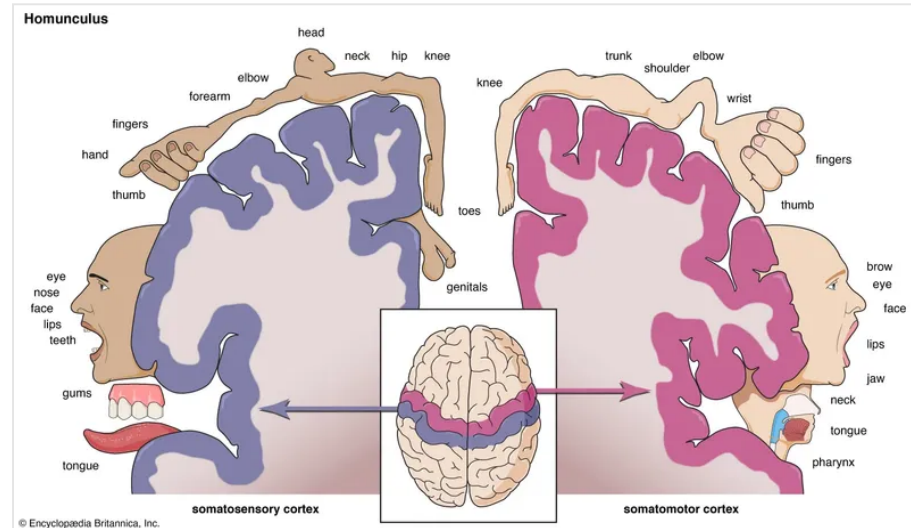
Electric Stim

Contraction in specific SK fibre at the oppo. side of the body

NOTE: Brain to body is **Contralateral**

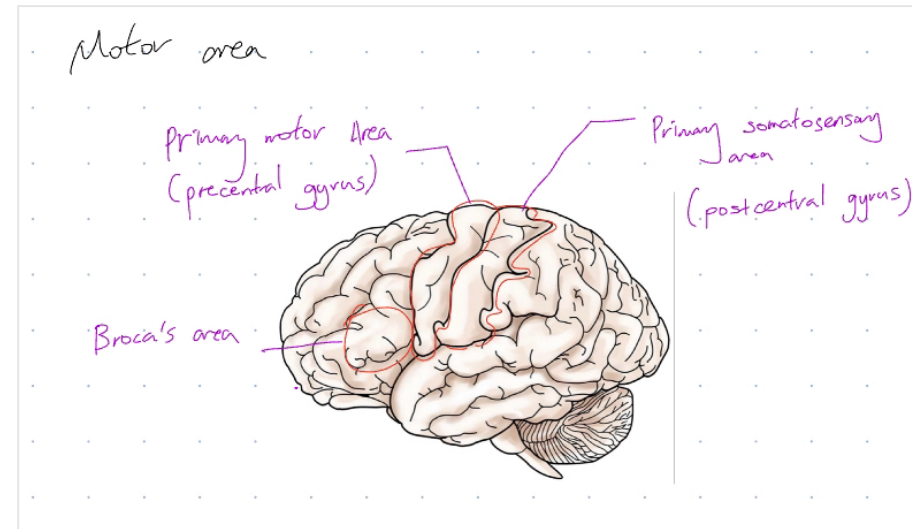
More cortical (=consisting of cortex) = More skill, dedicated, complex movement

Different muscle have diff amount of PMA



Motor Homunculus
(Distorted Muscle Map)

Motor Area



NOTE: Broca's Area is next to the PMA!

Cerebrovascular accident (CVA)

and Stroke

Non-fluent aphasia

= clear thoughts but unable to form words

Broca's Speech Area (BSA)

Speaking and understanding lang.

~97% ppl, lanaguage = localised at **left hemisphere**

Involve several areas:

1. sensory
2. association
3. motor

Planning and production of speech occur in **left frontal lobe**

For most ppl anyway

1) From BSA, nerve impulse

Pass to

Impulse from promotor = specific coord muscle contra

promotor region = ctrl muscles of larynx, pharynx and mouth

2) From Promotor region

Ctrl breathing muscle = regu proper flow of air pass **vocal cord**