**MEMBRANE, BODY ORGANISATION, COMPARTMENTS**

**IONIC CHANNELS**

**GATING:**

* **Voltage-gated channels**
* **Ligand-gated channels**
* **Mechanically-gated channels**

**Spontaneously inactivated channels – refracterity of the membrane.**

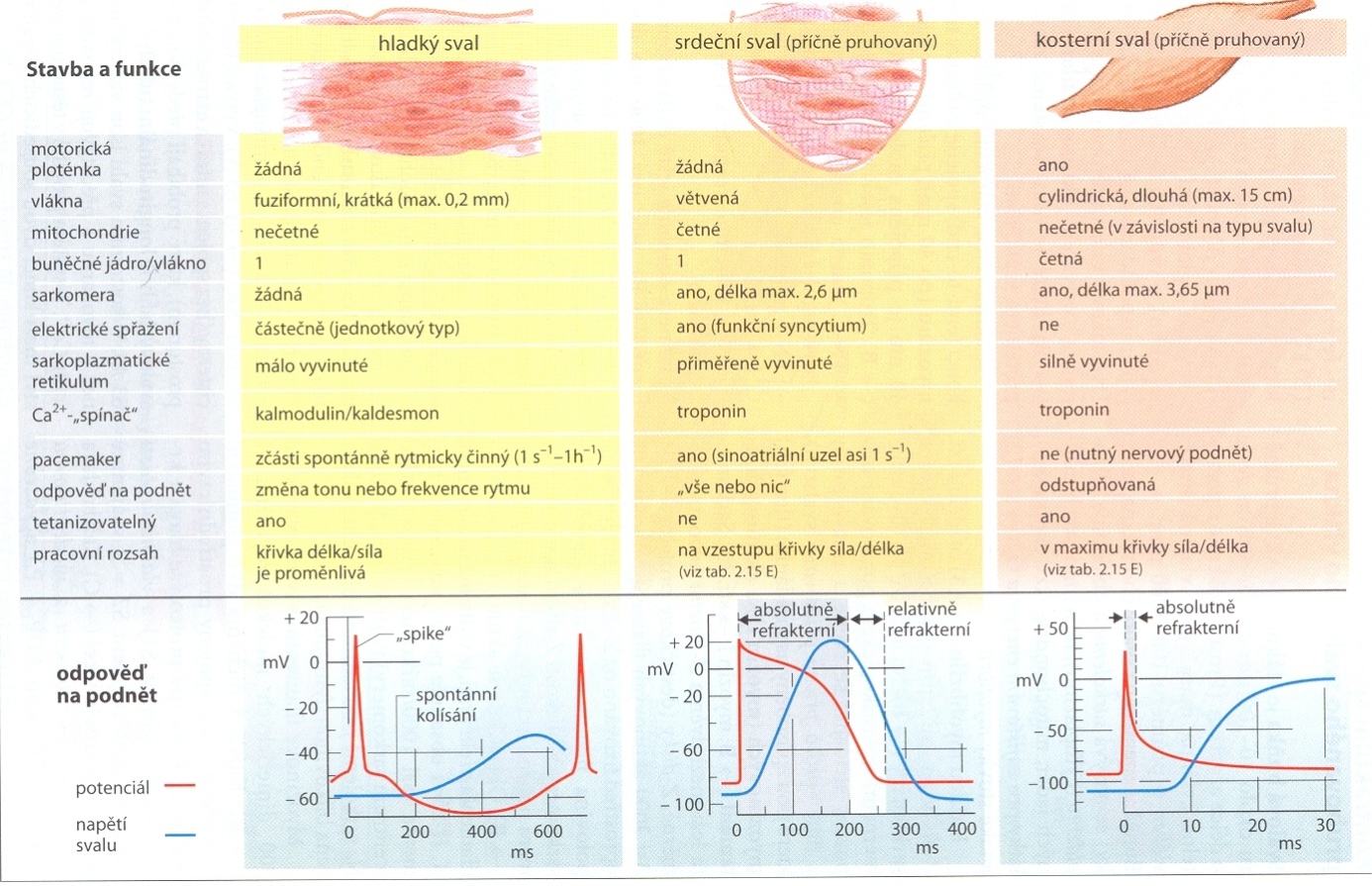
NERVE, MUSCLE

**EQUILIBRIUM POTENTIAL**

**Calculated according to Nernst equation. Difference between equilibrium potential for certain ion and actual membrane potential represents the driving force for this ion.**

**ELECTROCHEMICAL GRADIENT – concentration gradient and electrical gradient.**

**Action potential is a unit of information. Coding of information (using action potentials) is by frequency changes, NOT by amplitude (it is triggered according the law “All or nothing”). It is spread without decrement.**

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