

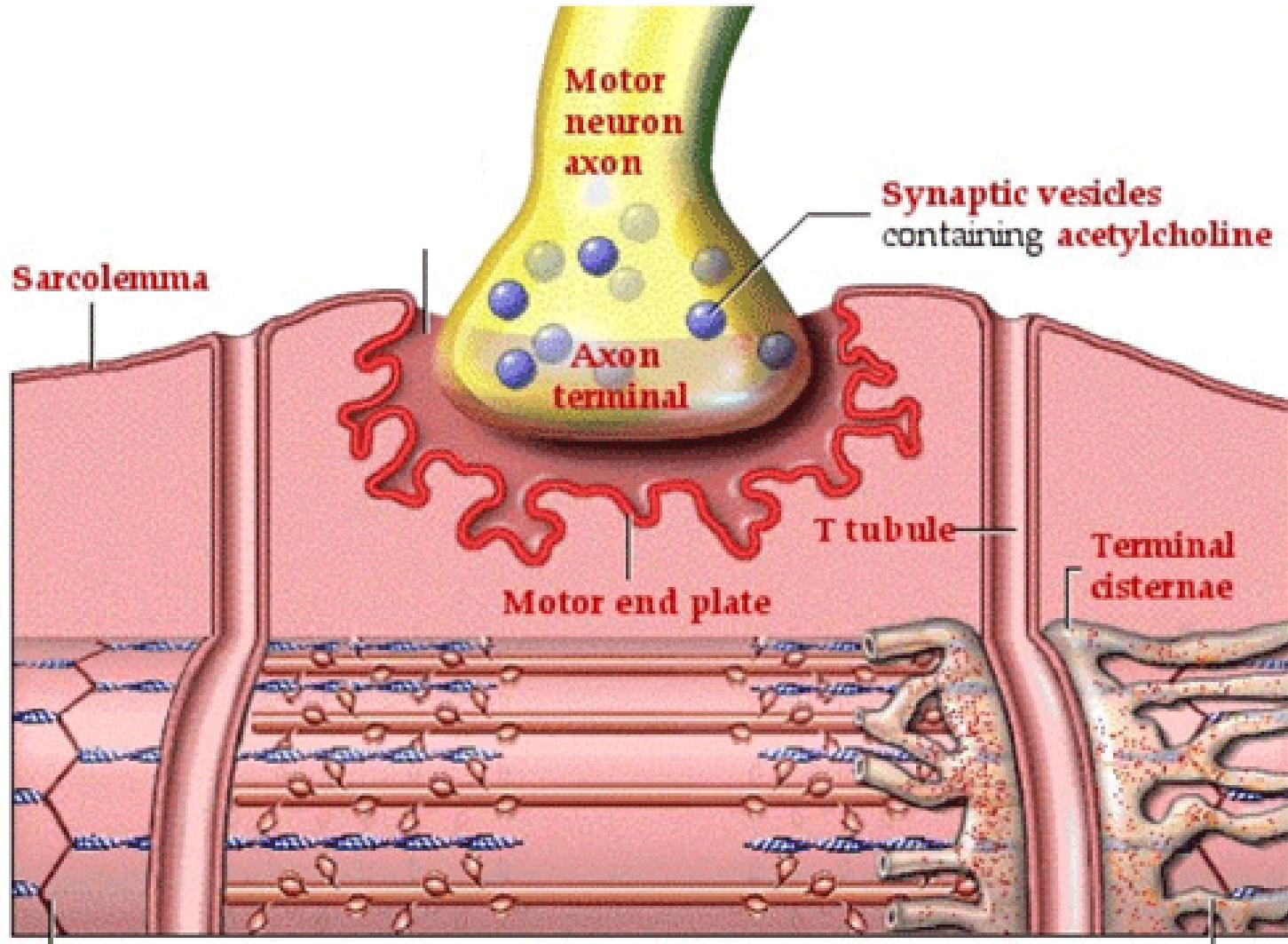
# Fyziológia svalovej kontrakcie.

KTV

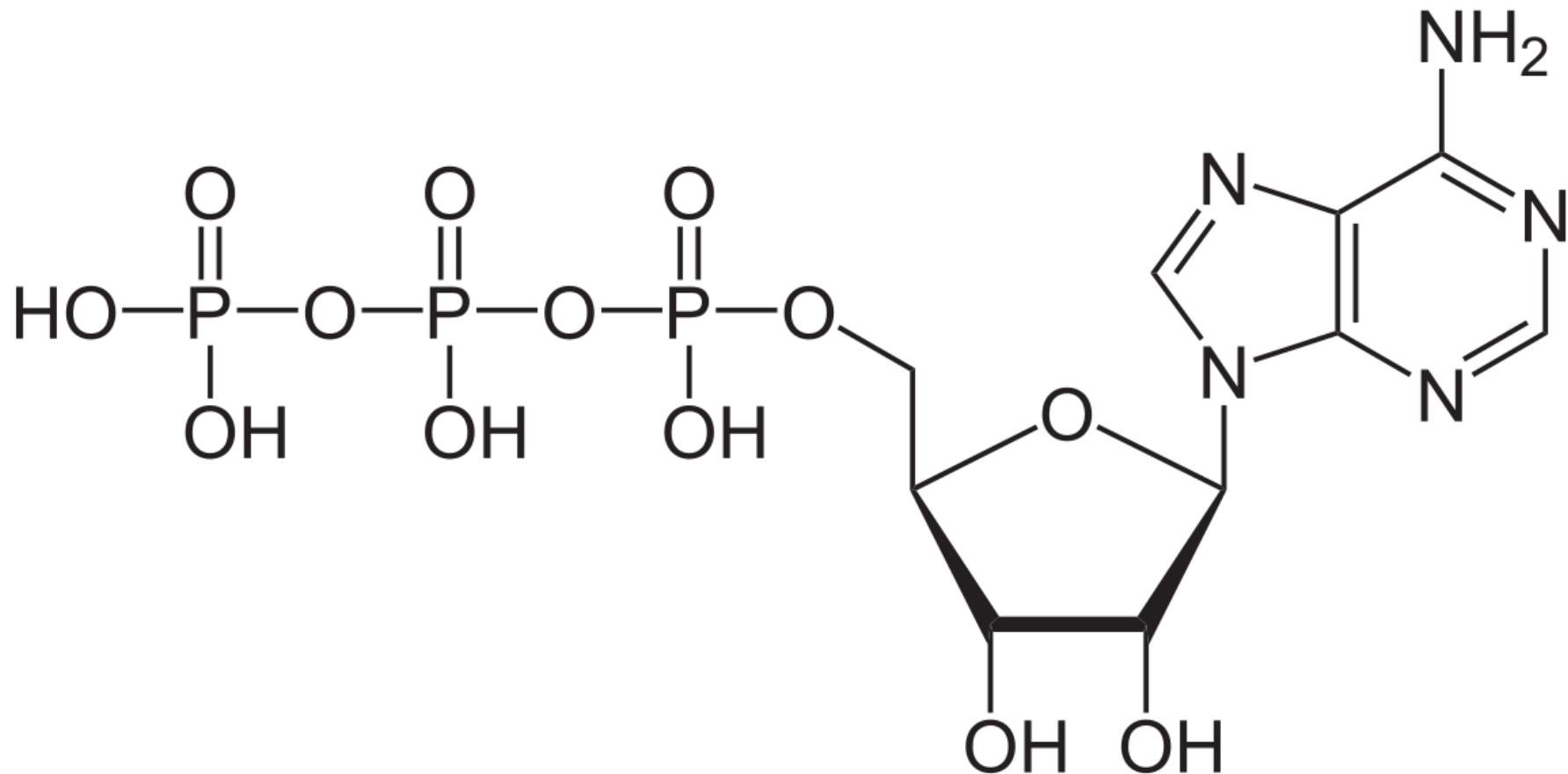
Neuromuskulárna  
platnička.

Ku kontrakcii  
je potrebný:  
1. Acetylcholín  
2. ióny  $\text{Ca}^{2+}$   
3. ATP

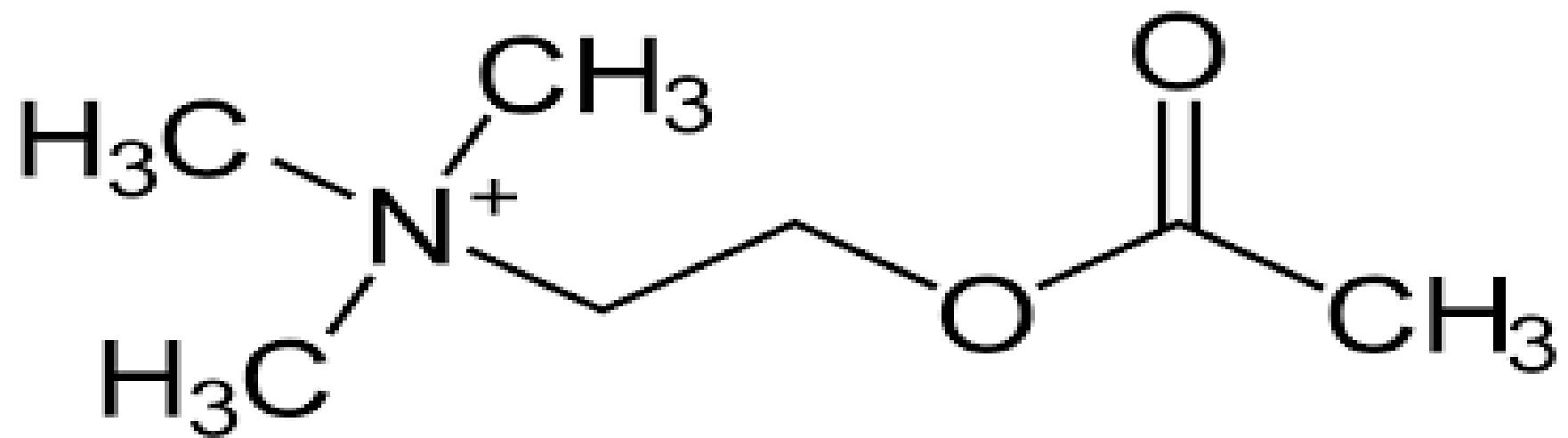
## Neuromuscular Junction



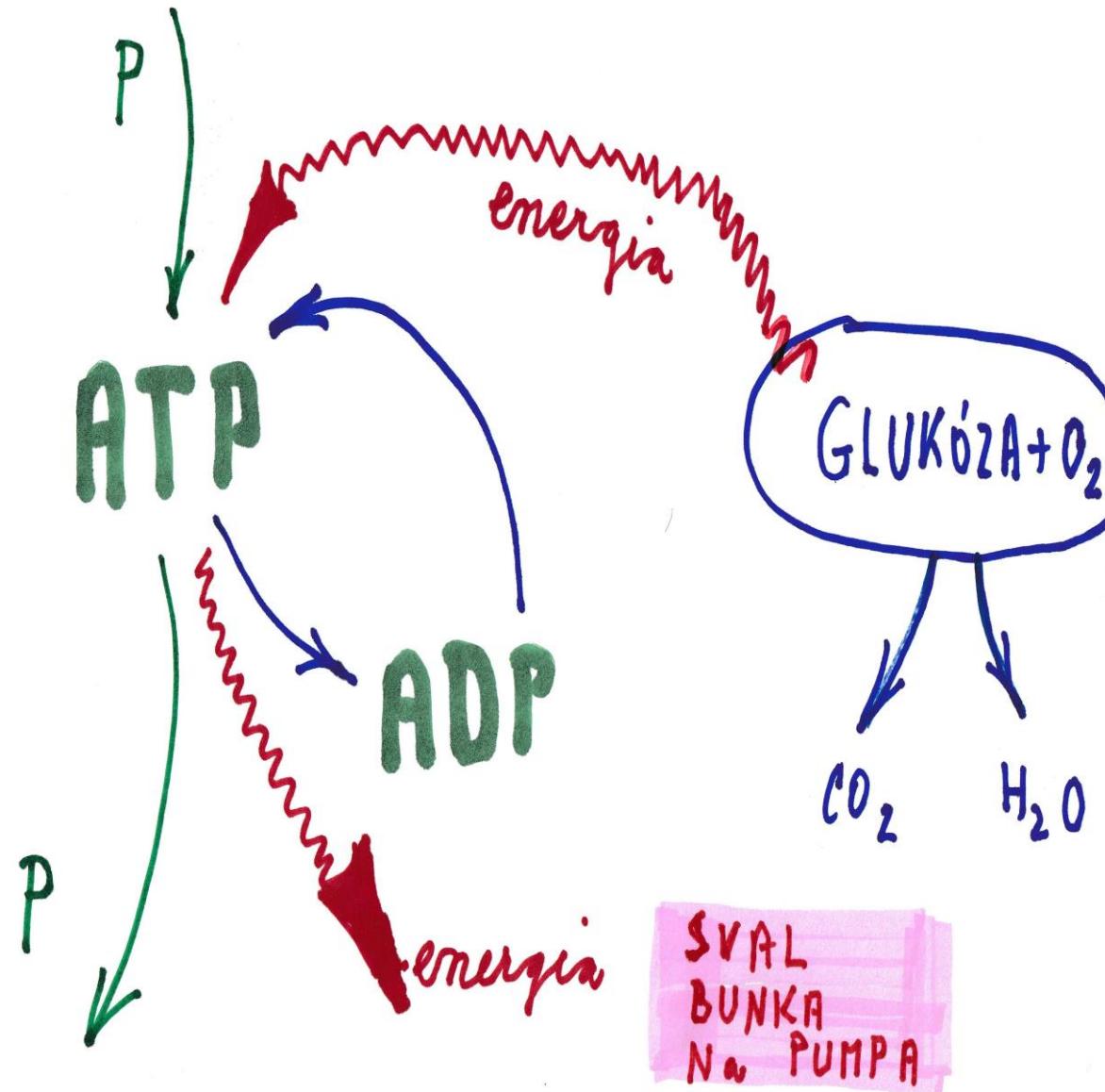
ATP.



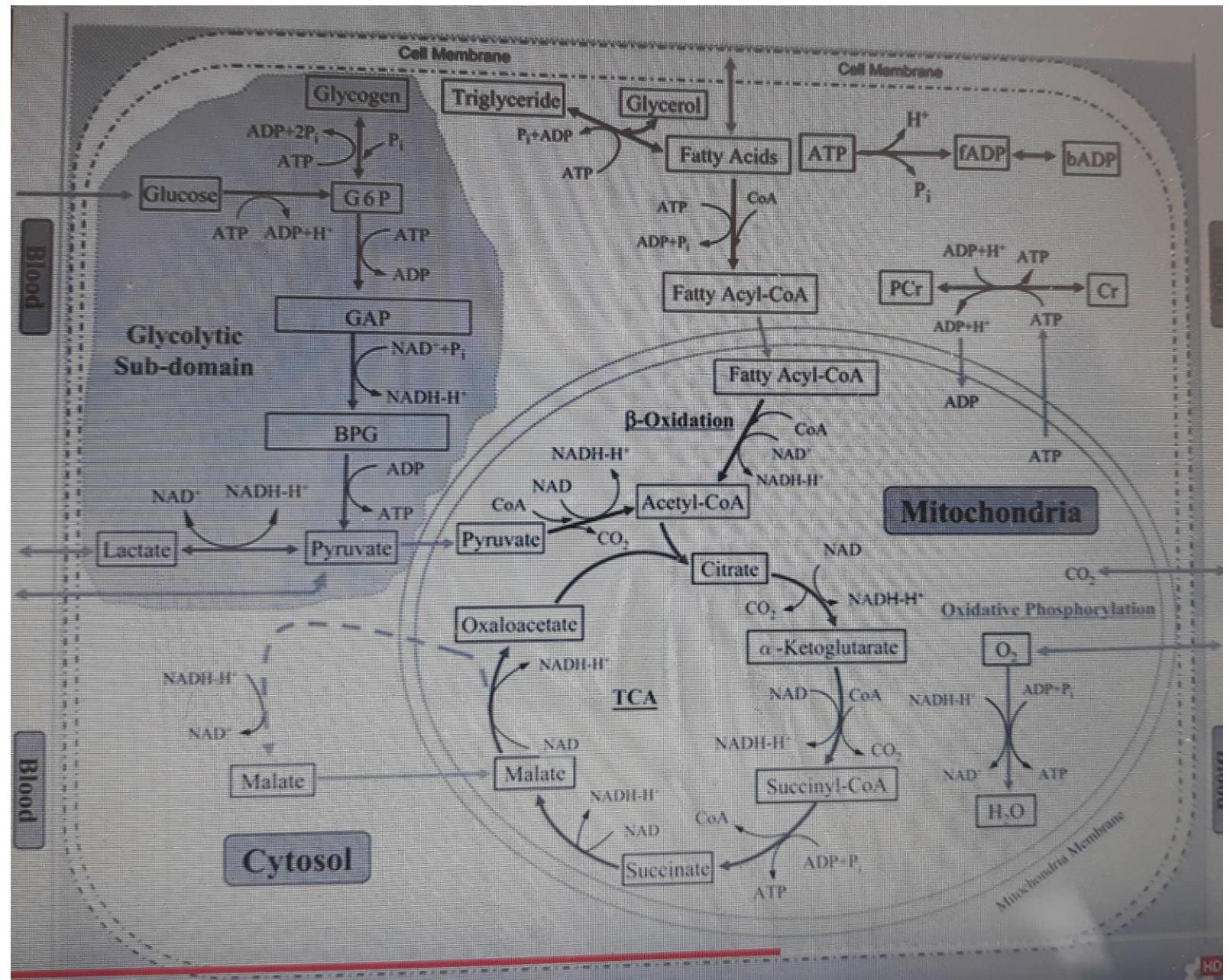
# Acetylcholín.



# Resyntéza ATP.



# Krebsov cyklus.

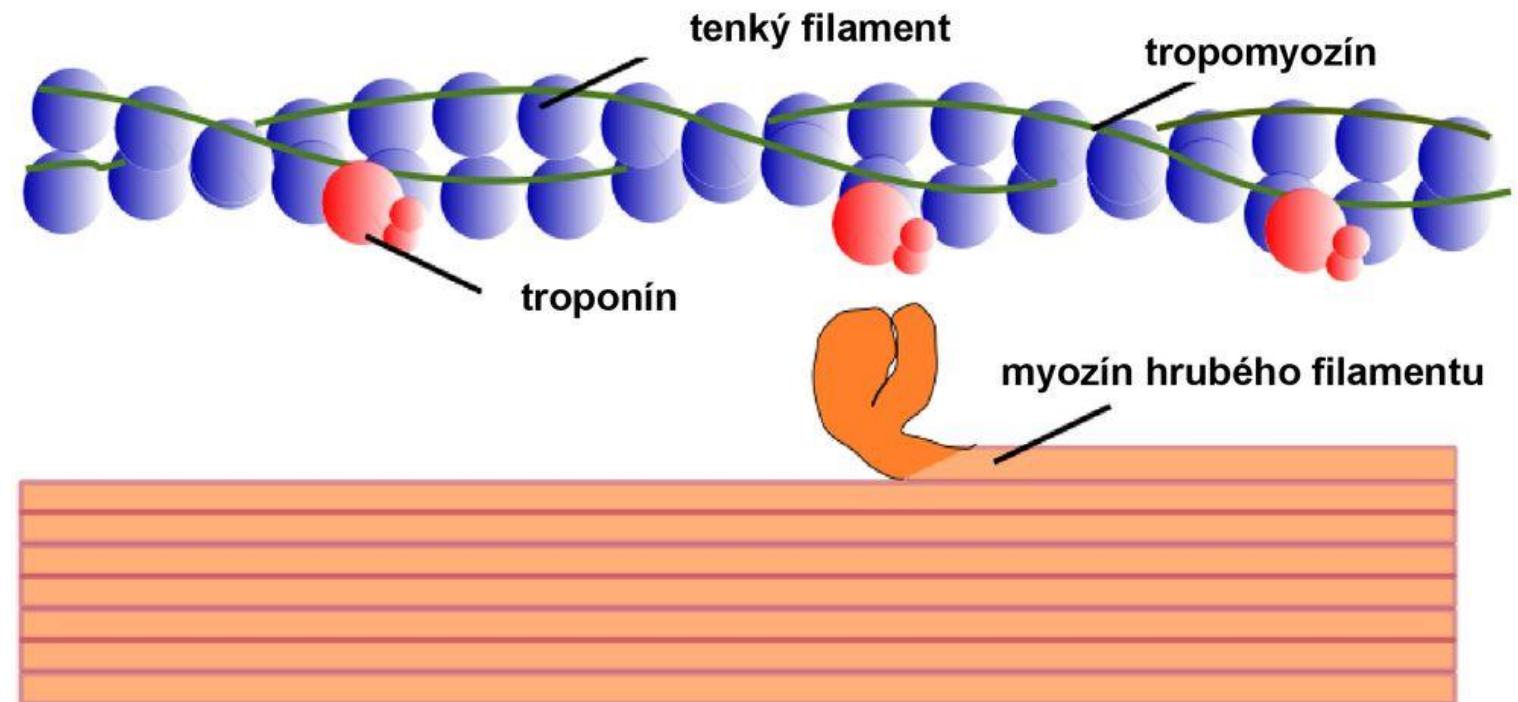


Svalová  
kontrakcia.

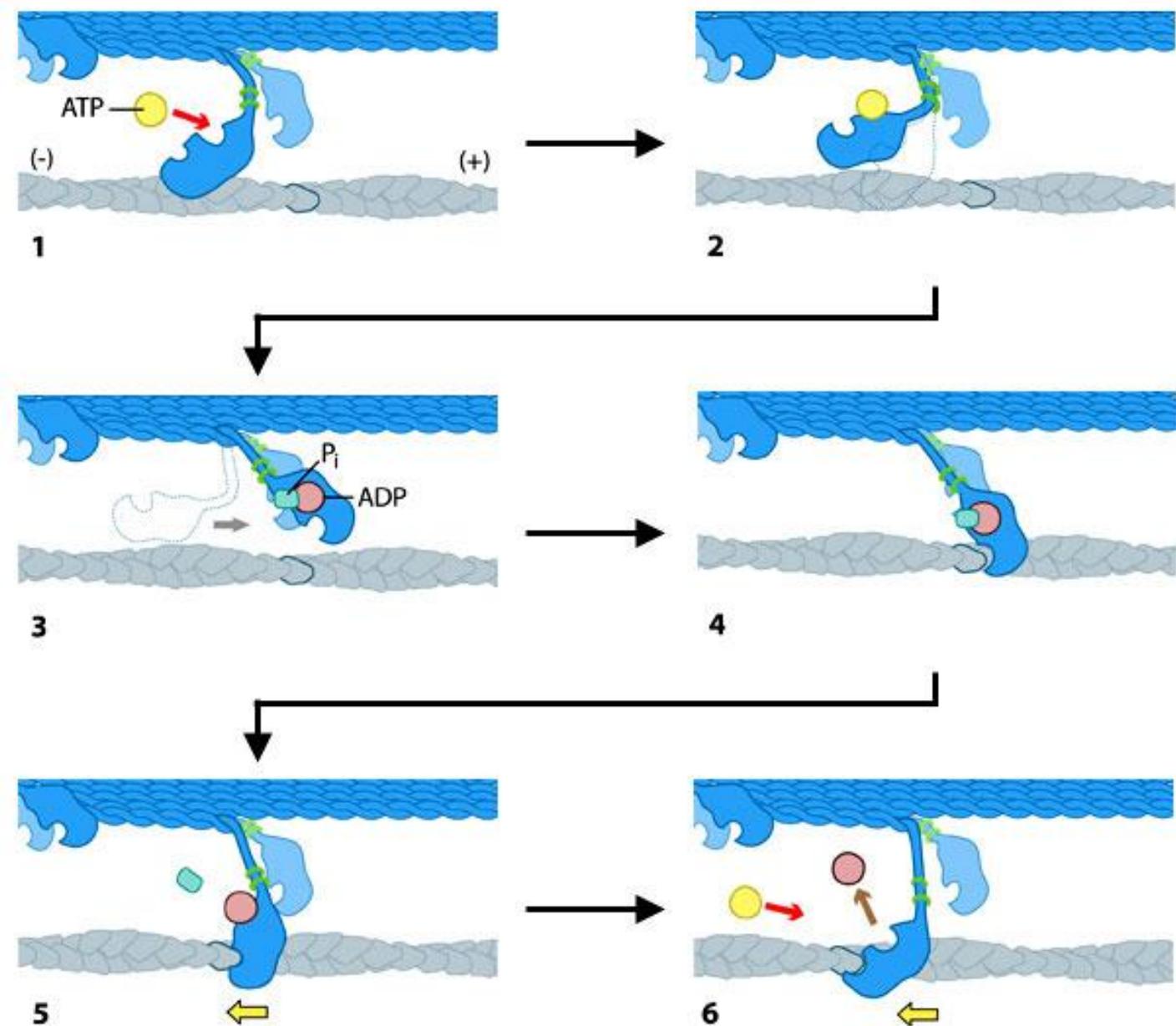
Svalová kontrakcia sa deje interakciou  
**AKTÍN**-ových (tenké) a **MYOZÍN**-ových (hrubé) vlákien.

Tropomyozín v kľúde prekrýva väzobné miesta aktínu.

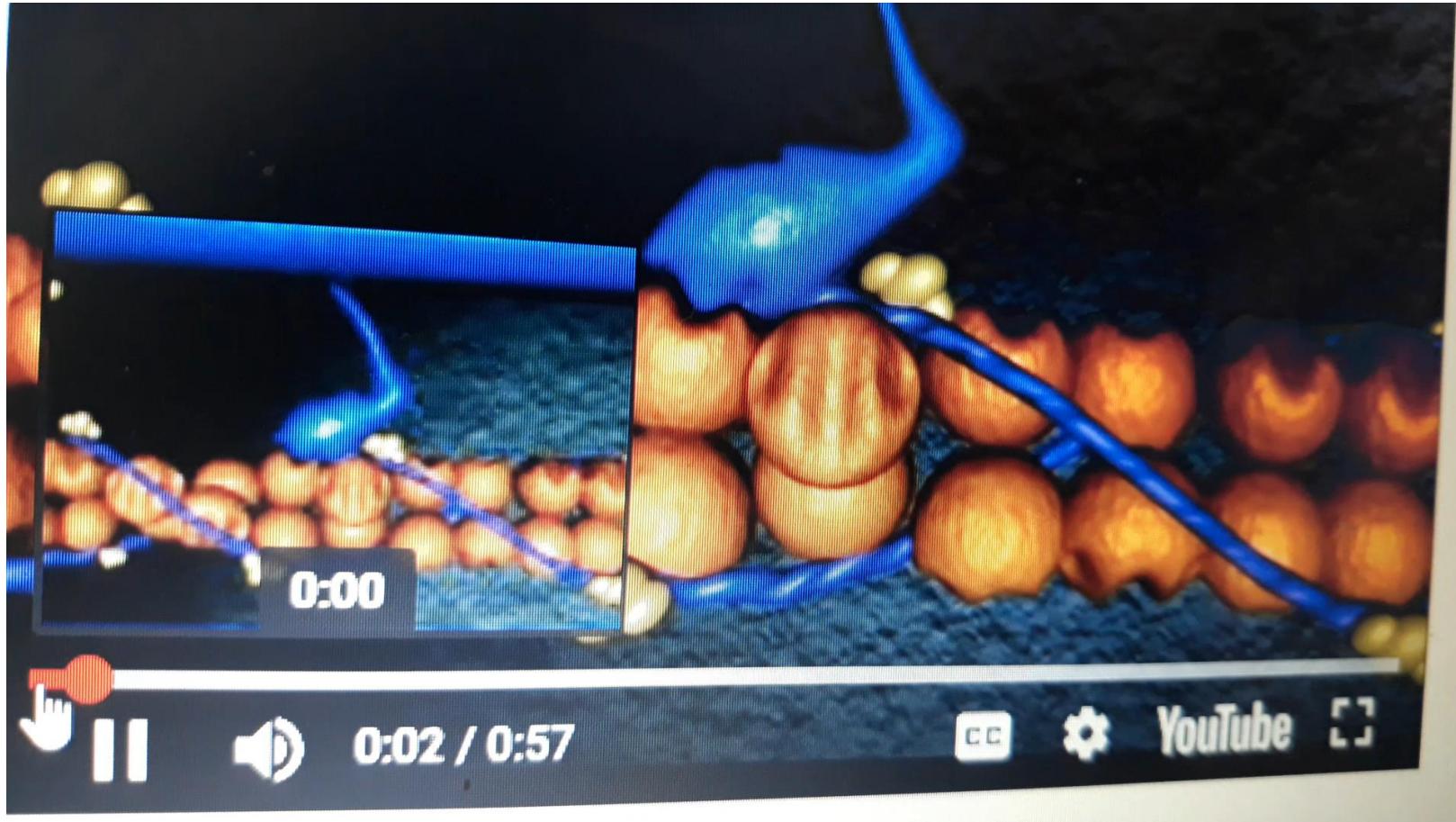
Aktín →  
Myozín →



## Svalová kontrakcia.



# Mechanizmus kontrakcie.



Zim.

• ...