

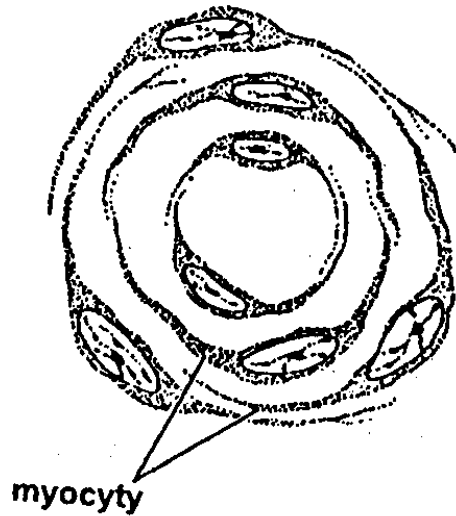
Srovnávací morfologie obratlovců

3.

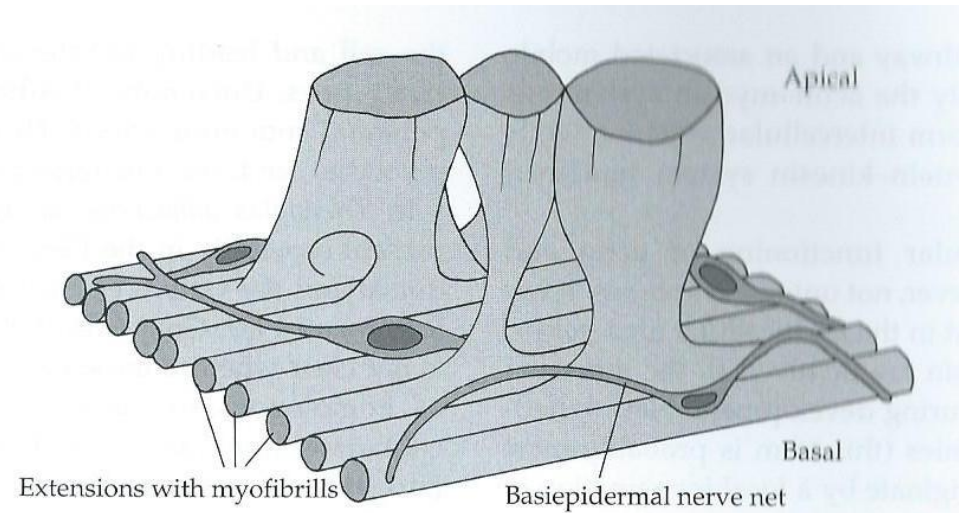
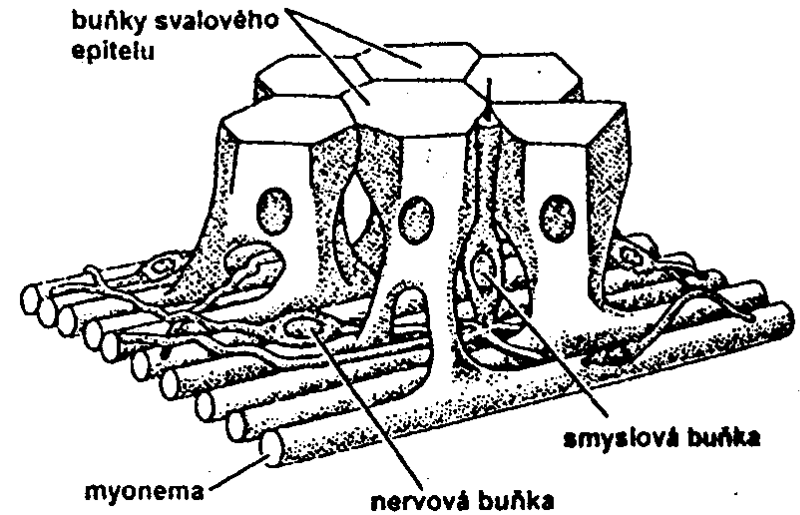
Svalová soustava

Svalová soustava

Živočišné houby (Porifera)

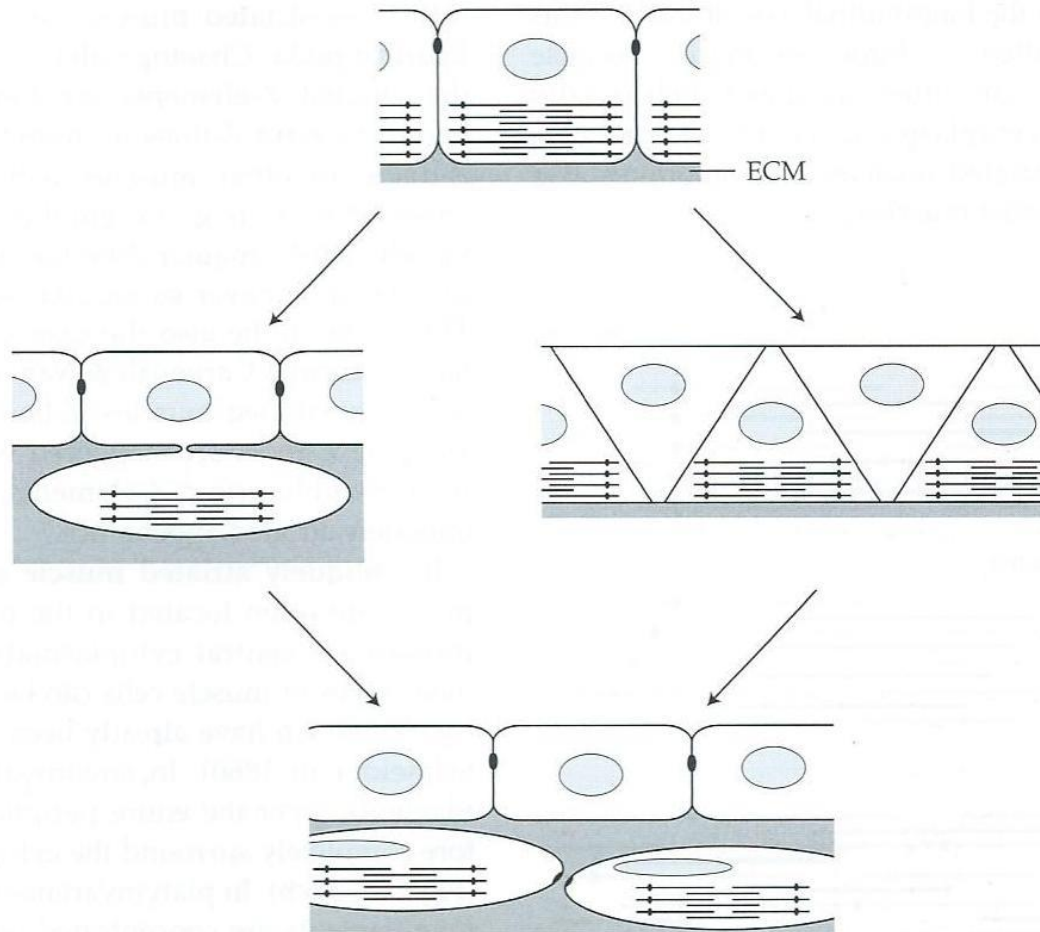


Žahavci (Cnidaria)



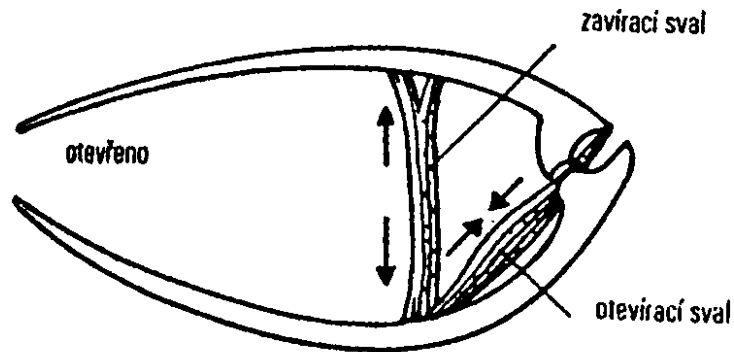
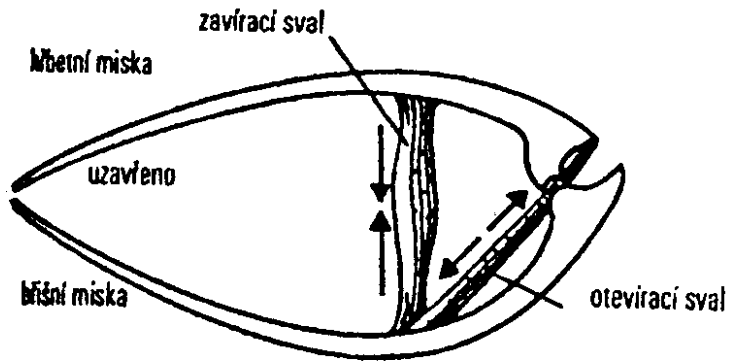
Svalová soustava

Zanořování myoepiteliálních buněk,
vznik svalových buněk

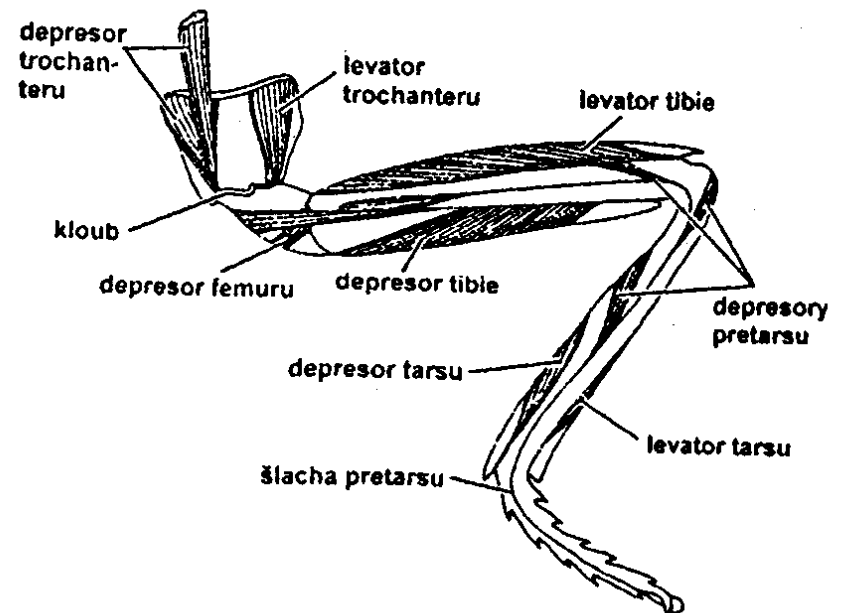


Svalová soustava

Ramenonožci (Brachiopoda)

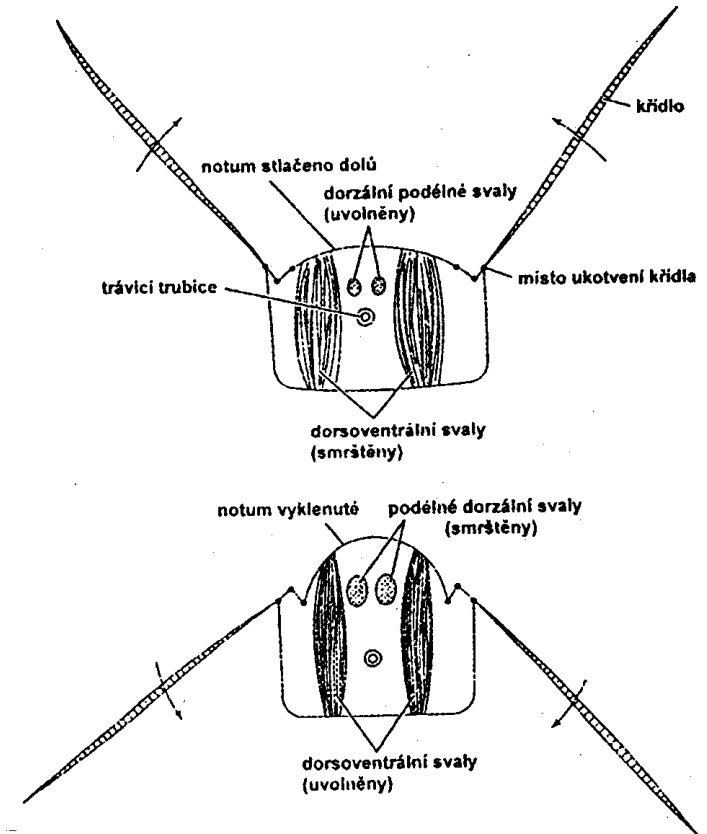
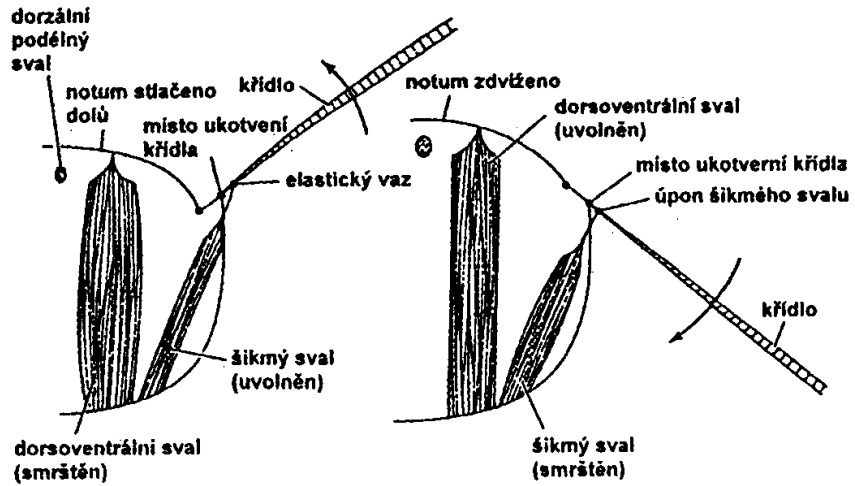


Hmyz



Svalová soustava

Létací svaly hmyzu



Svalová soustava

Svalová soustava obratlovce

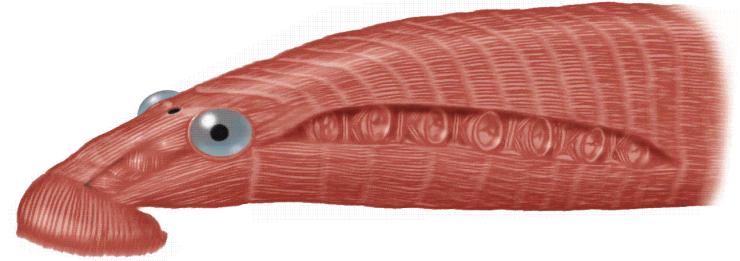
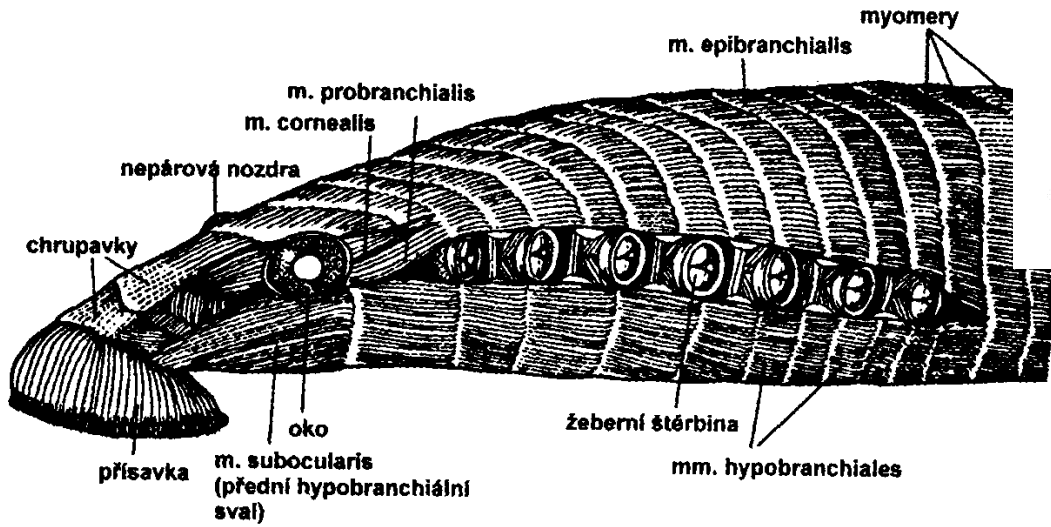
I. Svaly mesodermálního původu

1. Svaly viscerální (původem ze splachnopleury) - hladké, autonomní inervace
2. Svaly somitické (původem z myotomu) - příčně pruhované
 - a) Svaly trupu (somatické) → svaly končetin (apendikulární)
 - epaxiální
 - hypaxiální
 - primární
 - sekundární
 - b) Svaly branchiální (pohybující segmenty žaberních oblouků)

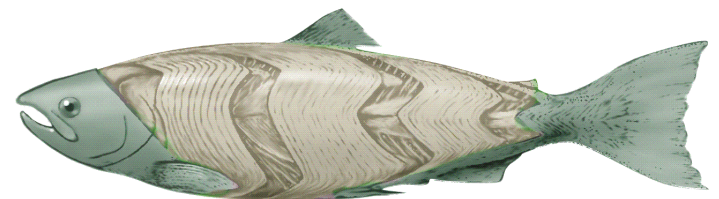
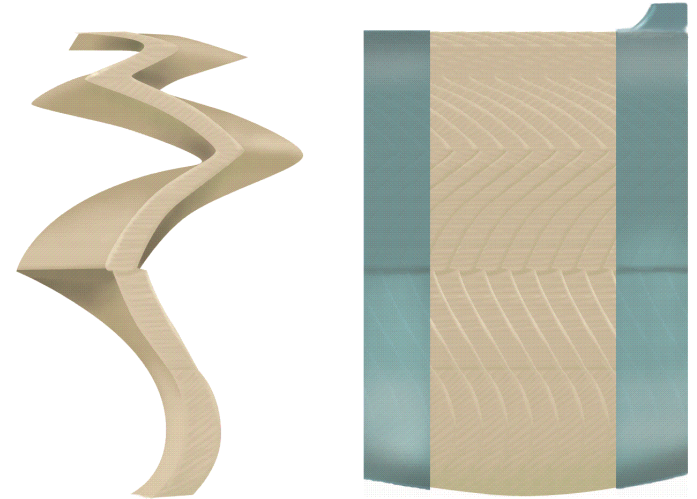
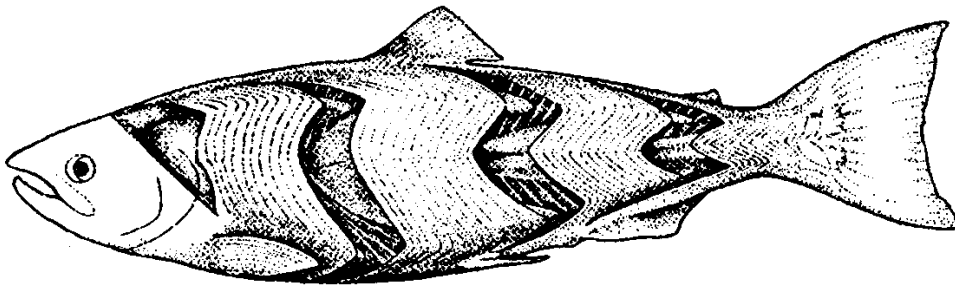
II. Svaly ektodermového původu

- ciliární sval v oku

Svalová soustava vodních obratlovců



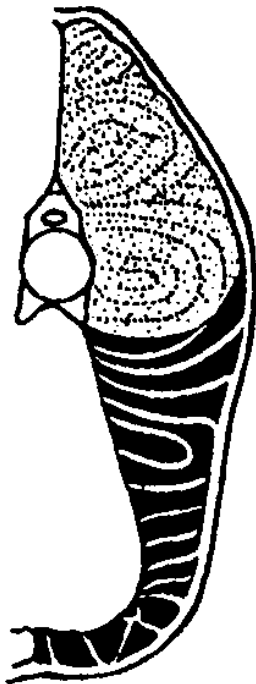
Metamerie - myomery, myosepta



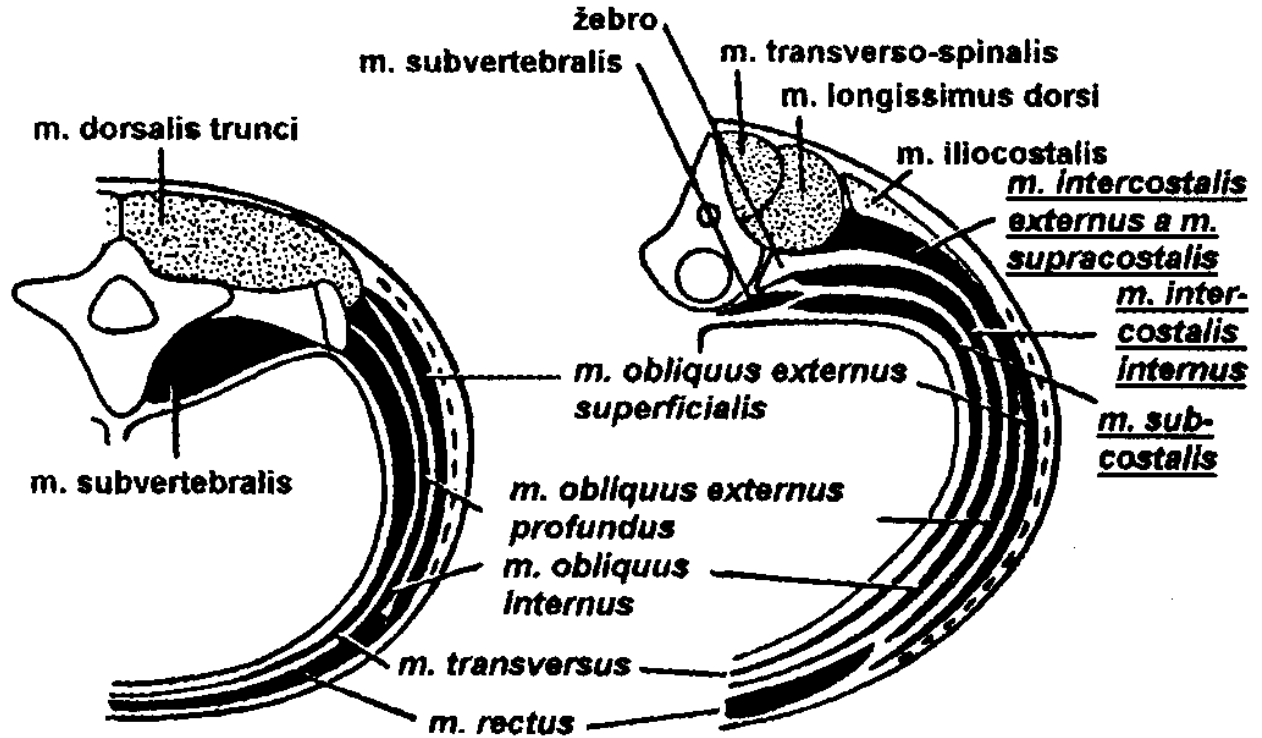
Svalová soustava obratlovců



ŽRALOK
(ocasní část)



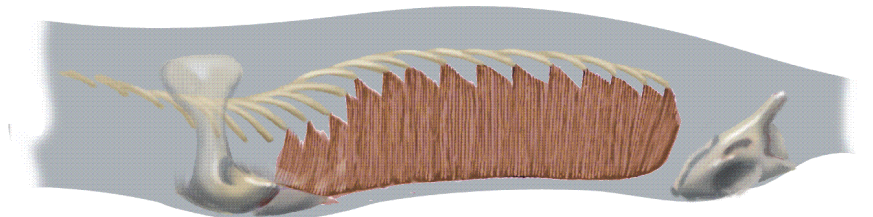
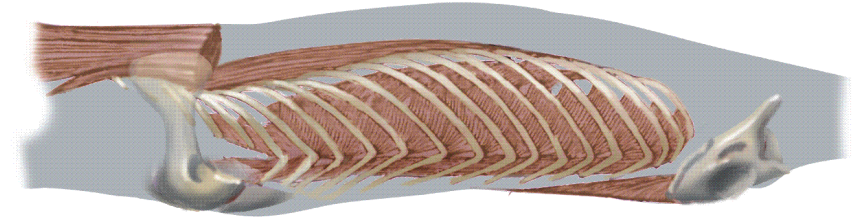
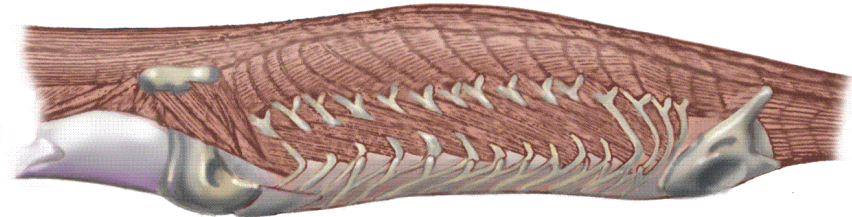
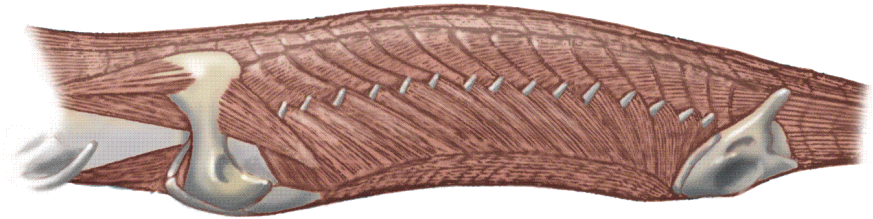
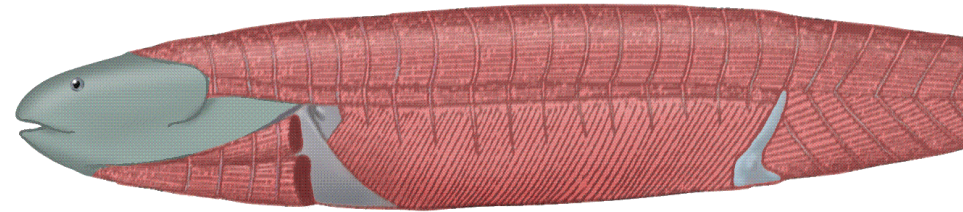
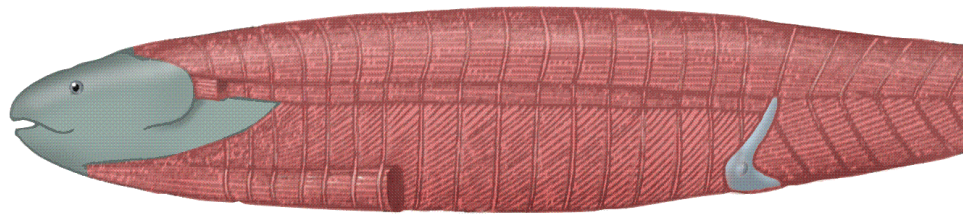
ŽRALOK
(trupová část)



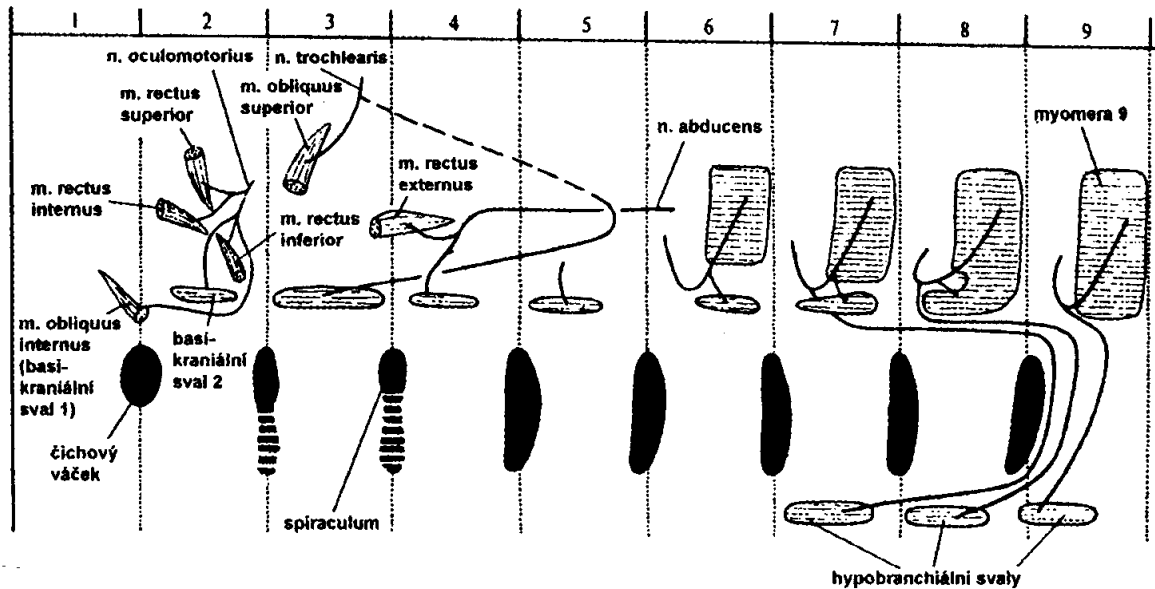
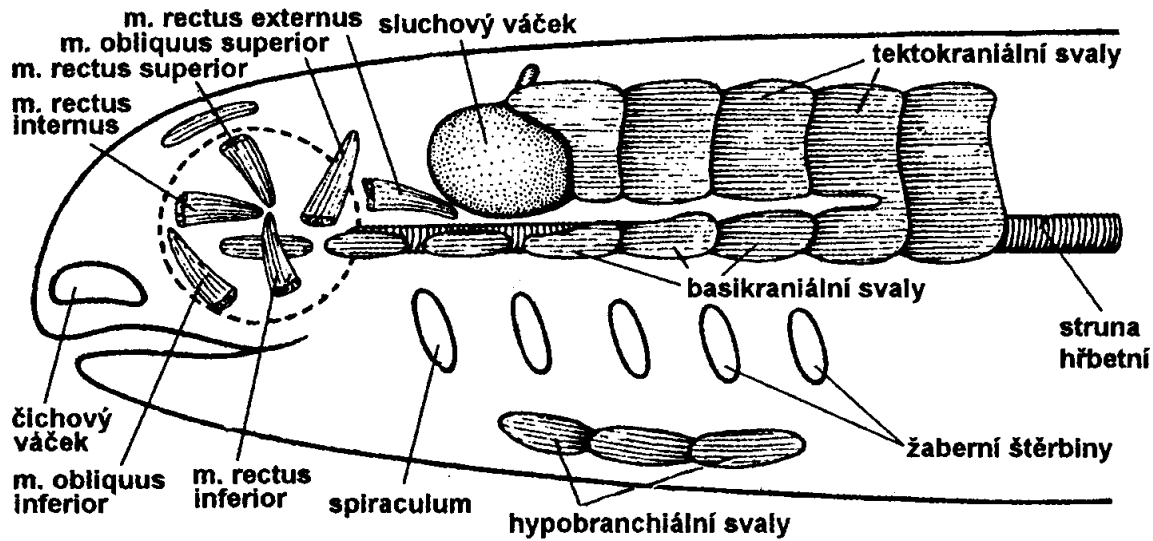
OCASATÝ OBOJŽIVELNÍK

PLAZ

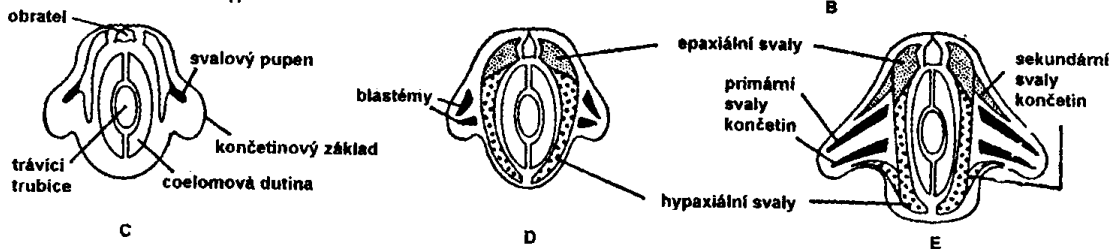
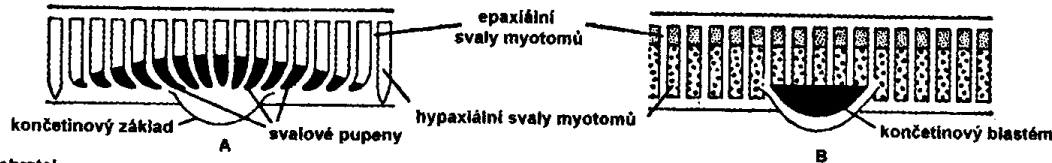
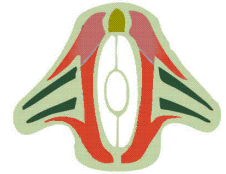
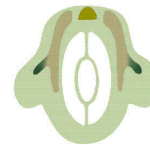
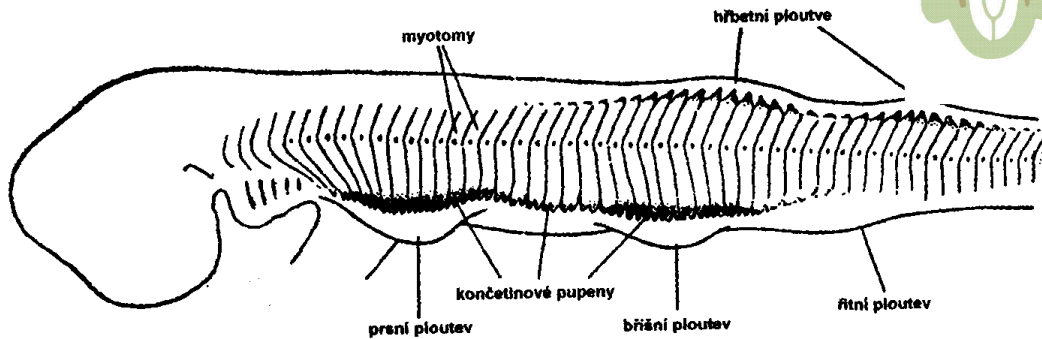
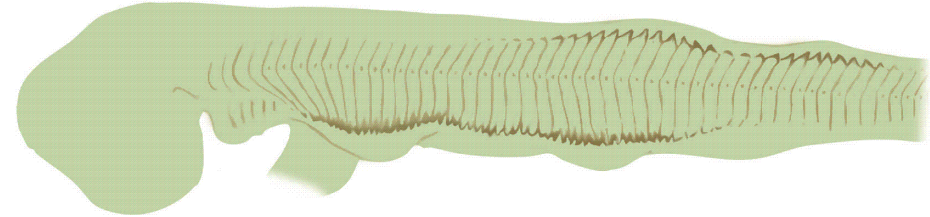
Svalová soustava obratlovců



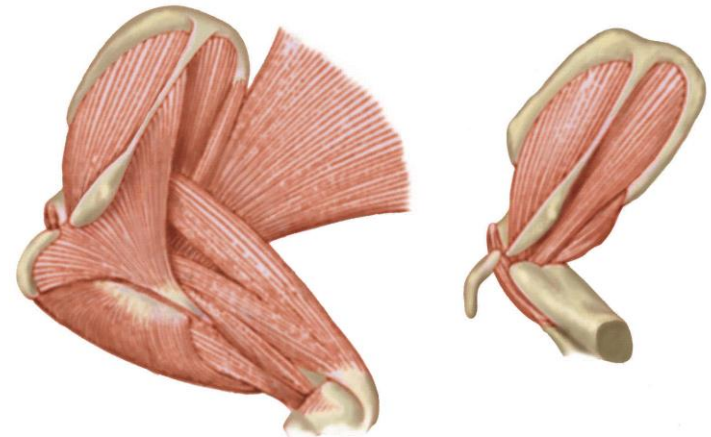
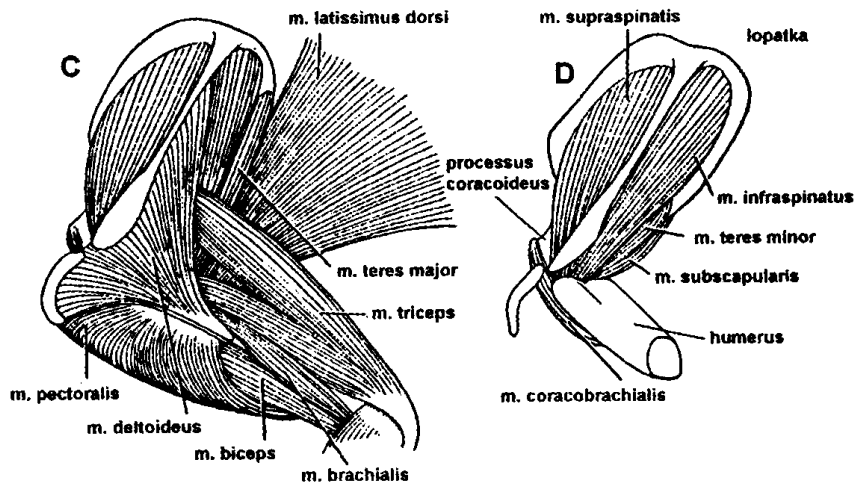
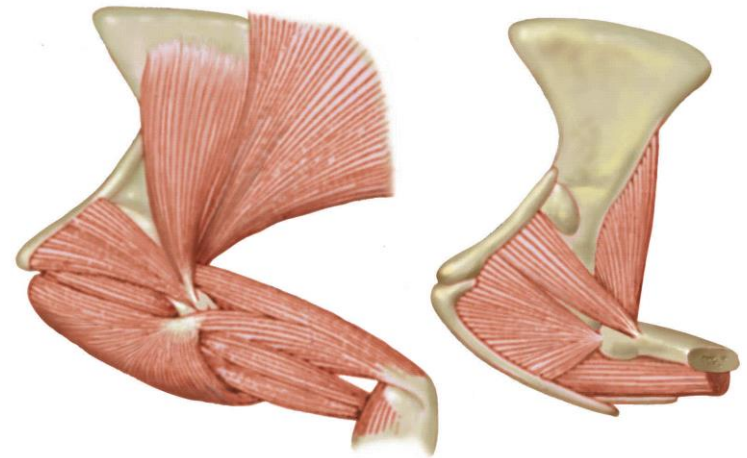
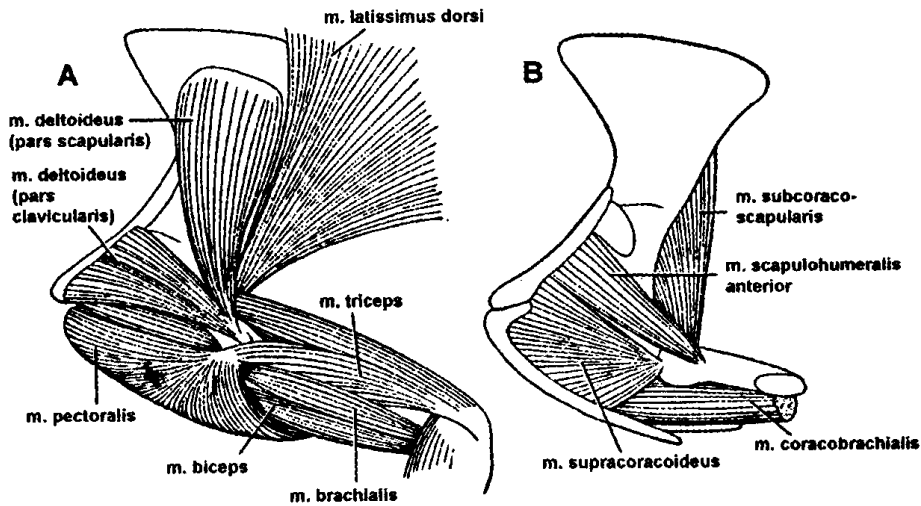
Svalová soustava obratlovců



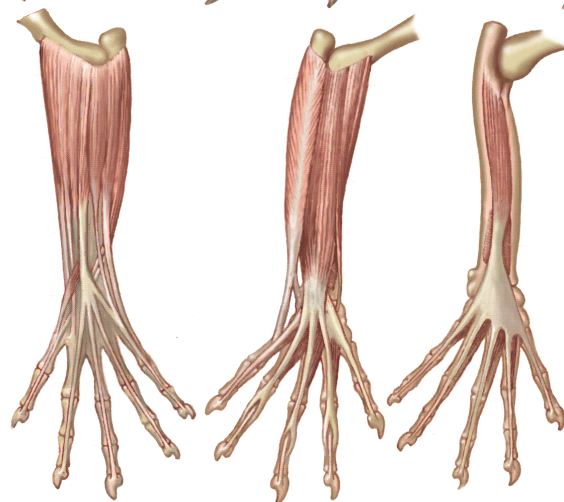
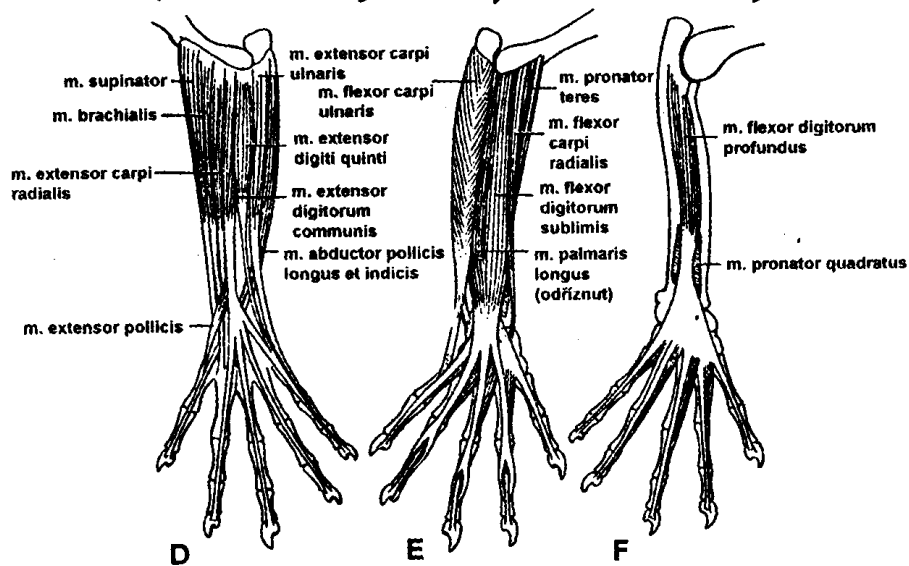
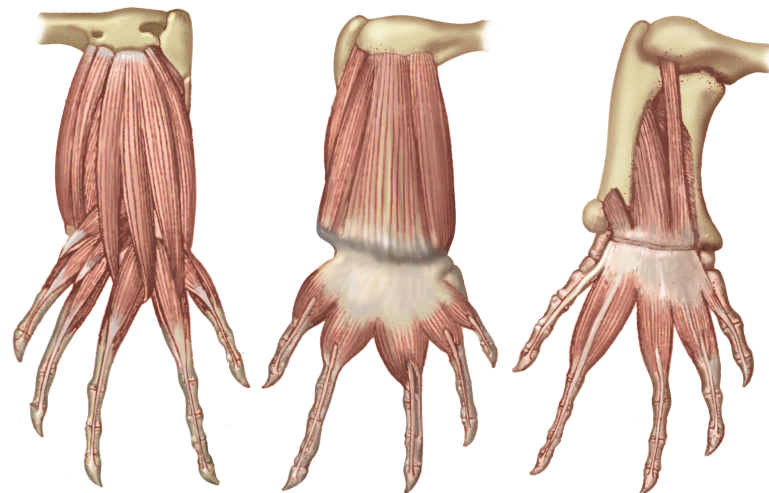
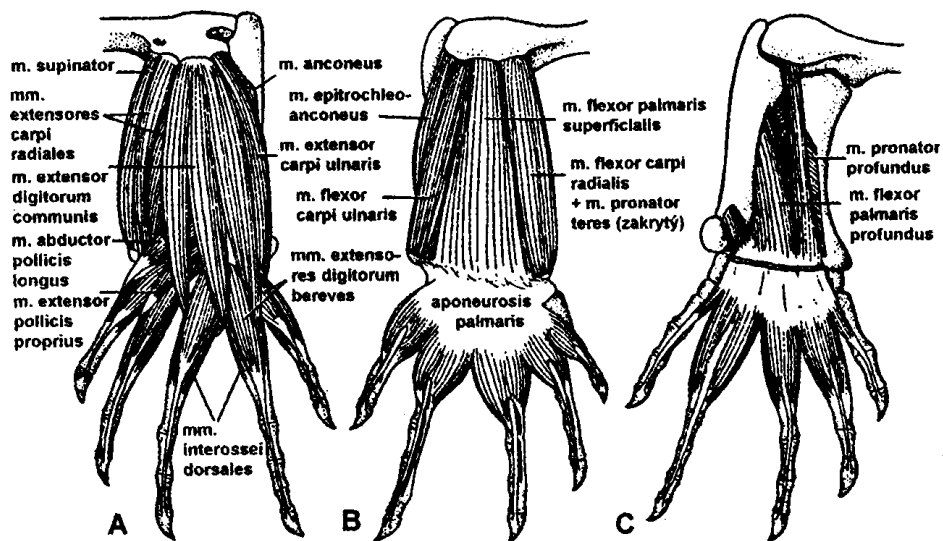
Svalová soustava obratlovců



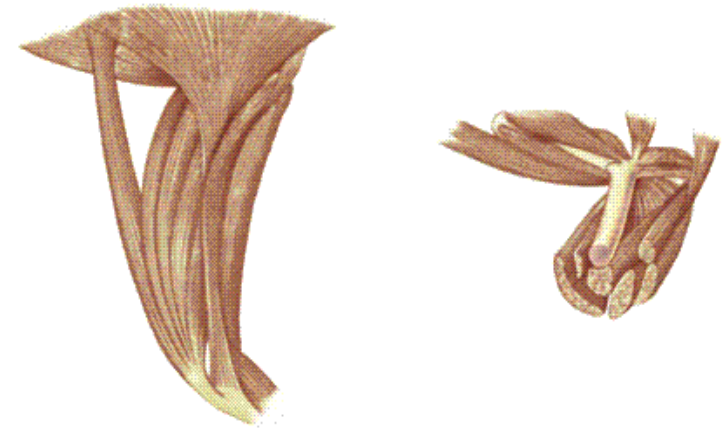
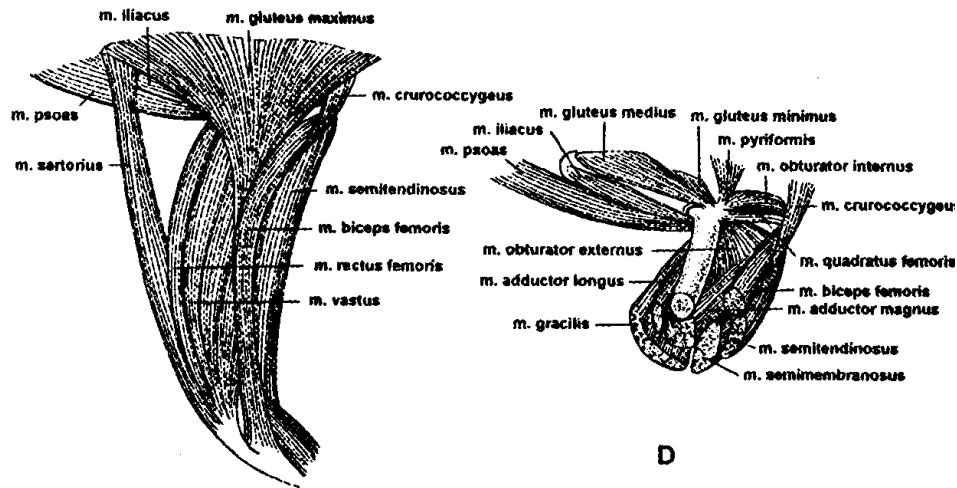
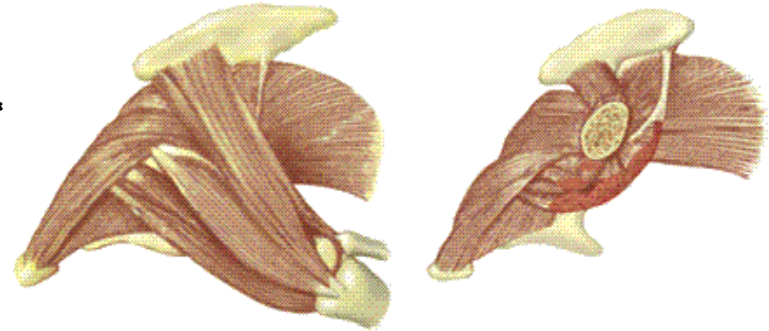
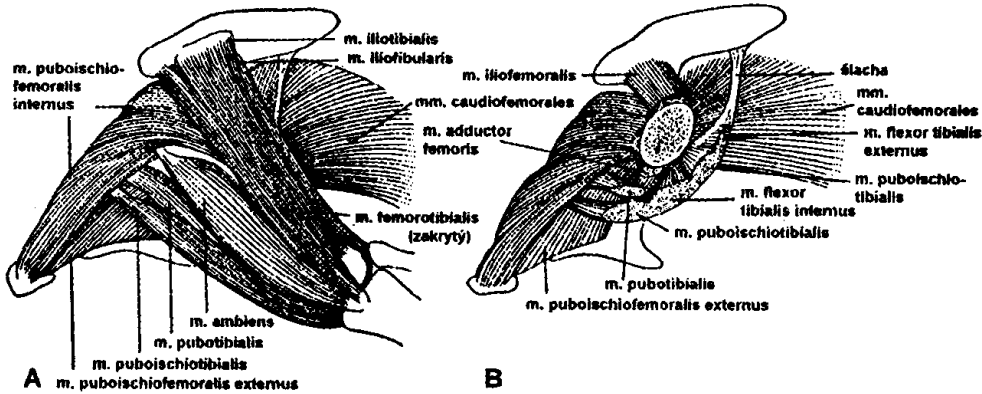
Svalová soustava obratlovců



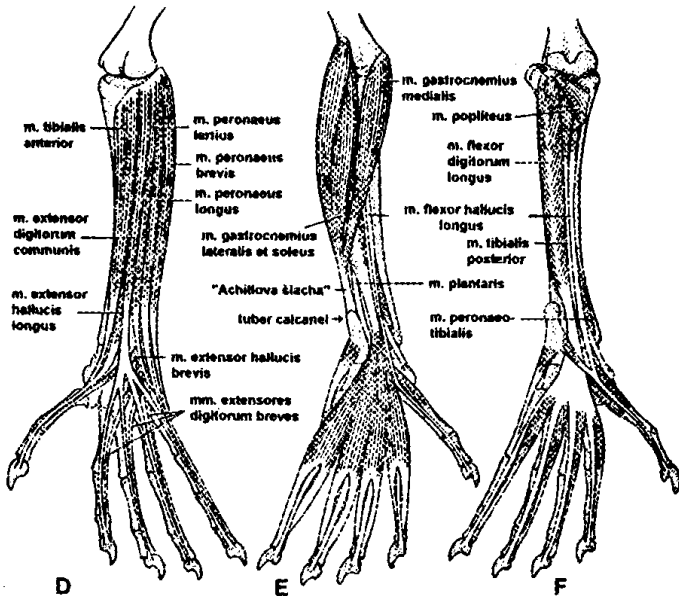
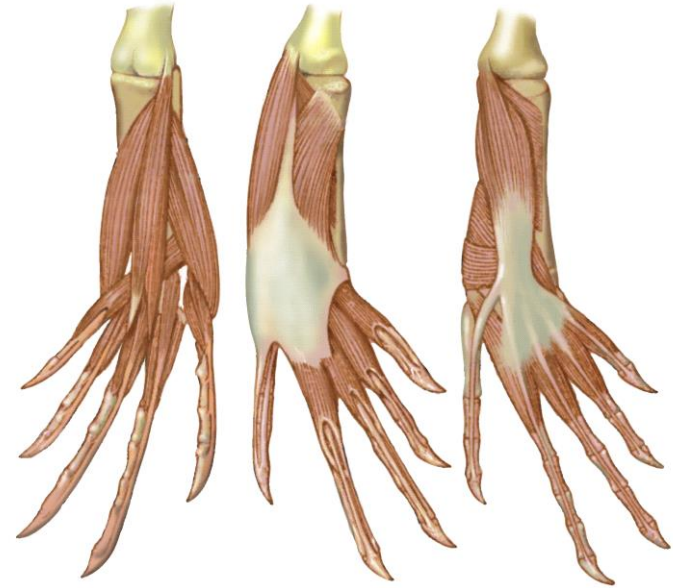
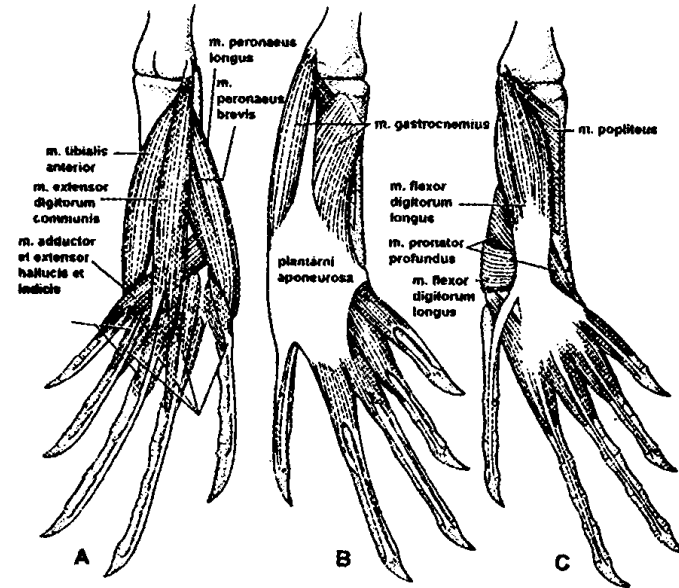
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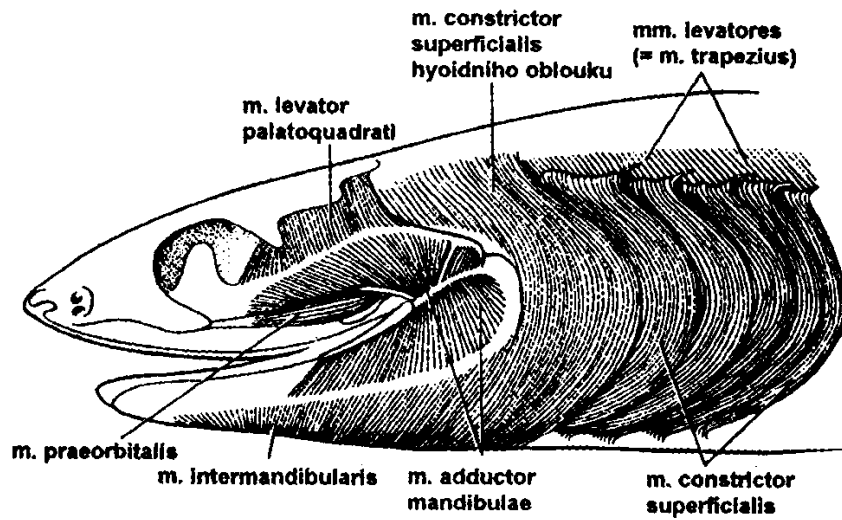
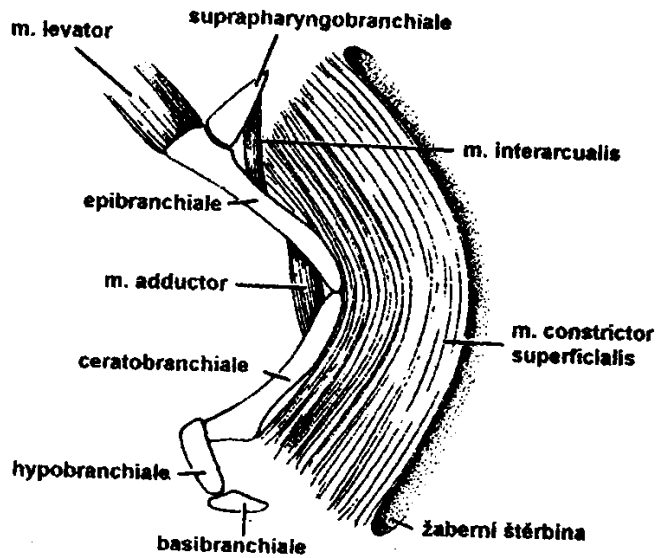
Svalová soustava obratlovců



Svalová soustava obratlovců

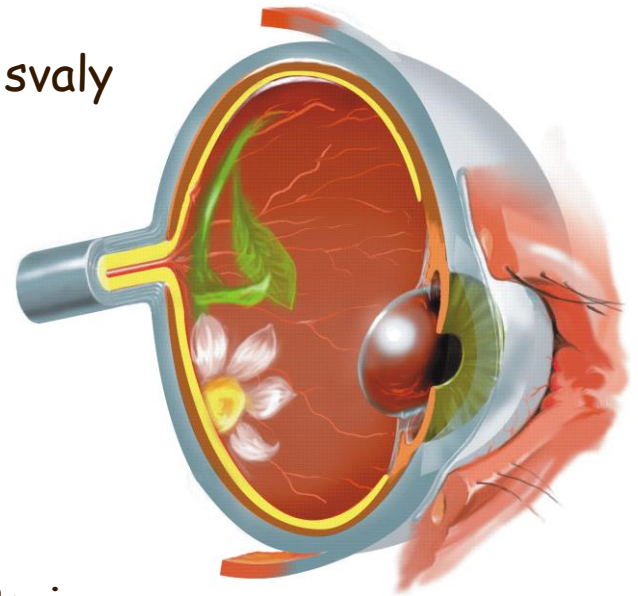


Svalová soustava obratlovců

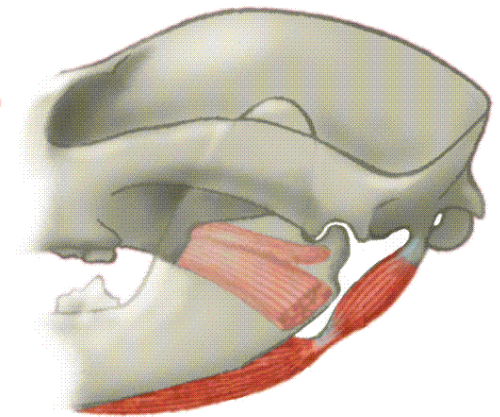
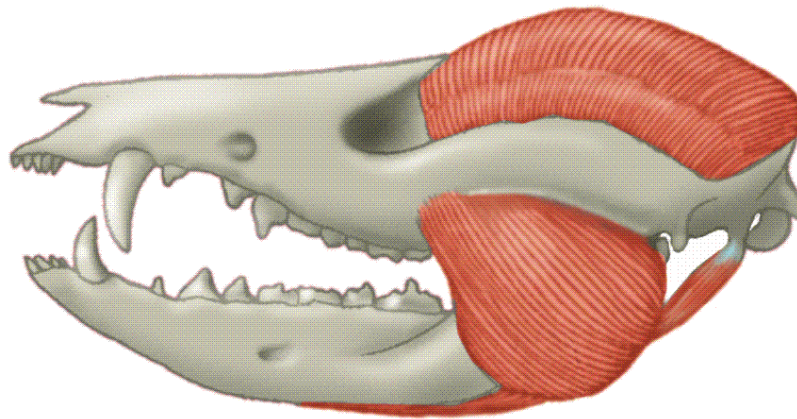


Svalová soustava obratlovců

Okohybné svaly



Vznik svalů pohybujících čelistmi



Svalová soustava obratlovců

