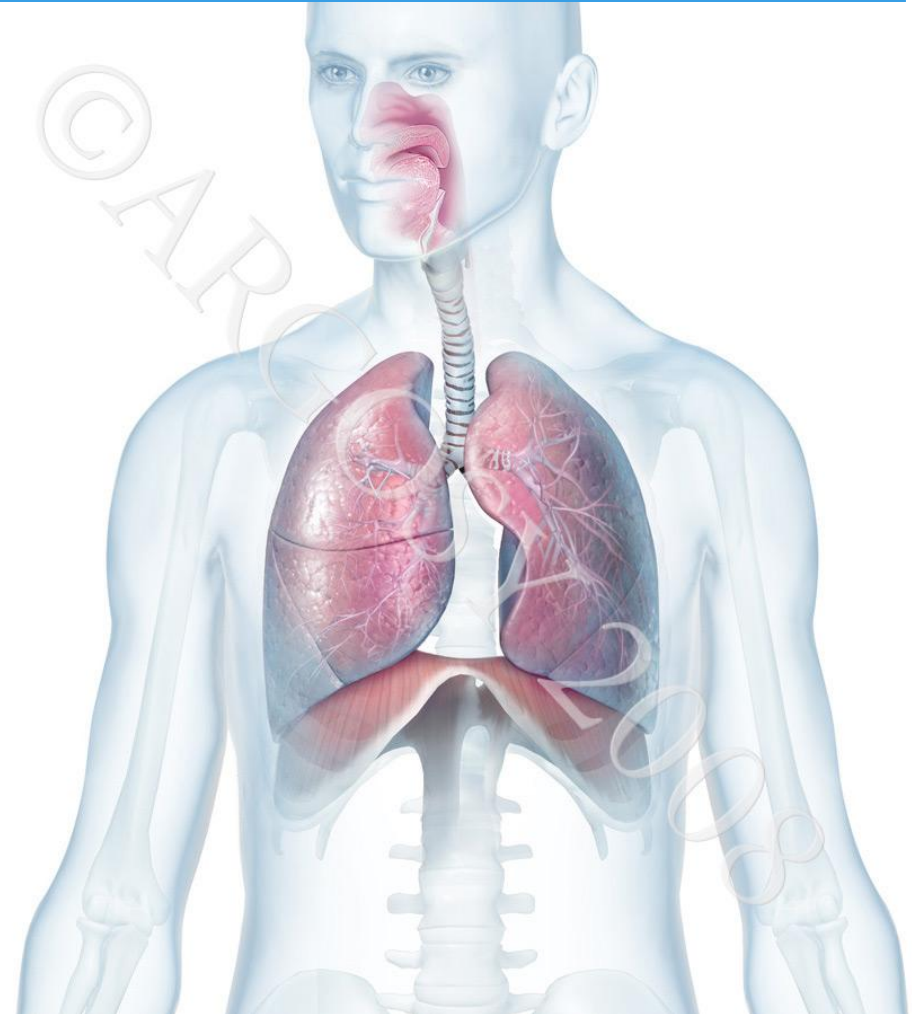
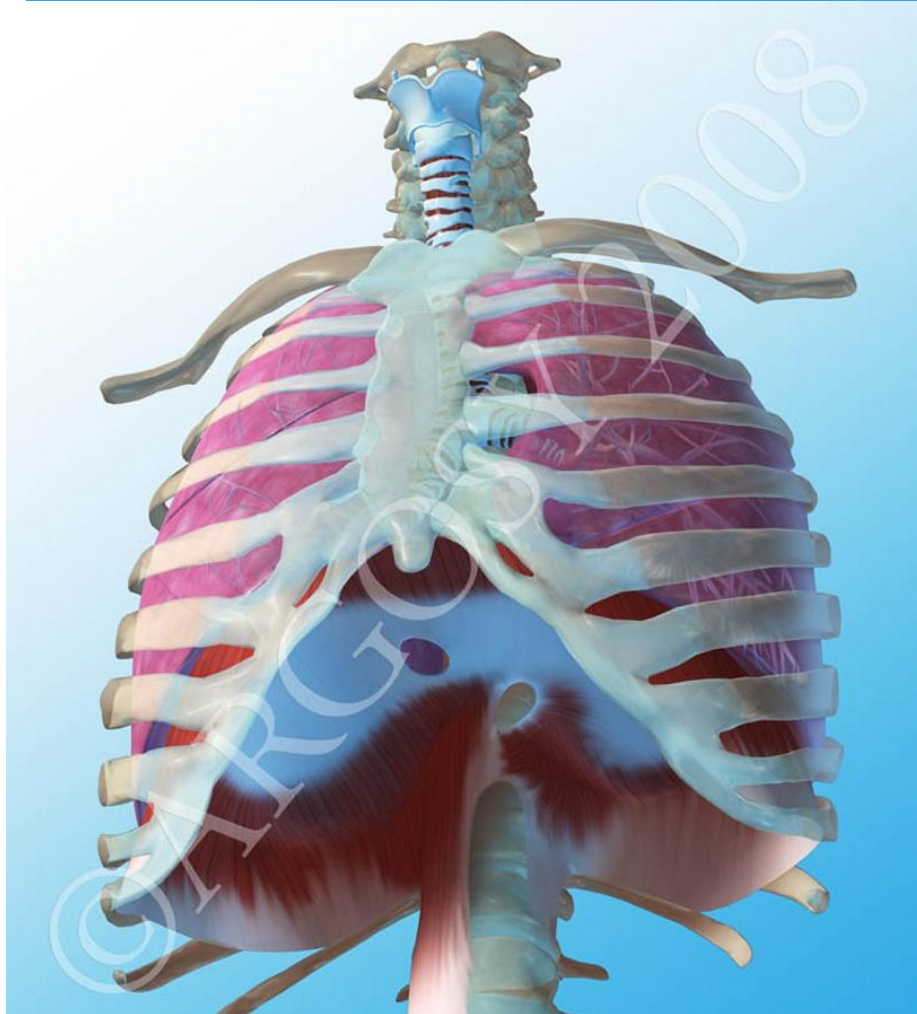


DÝCHACIA SÚSTAVA



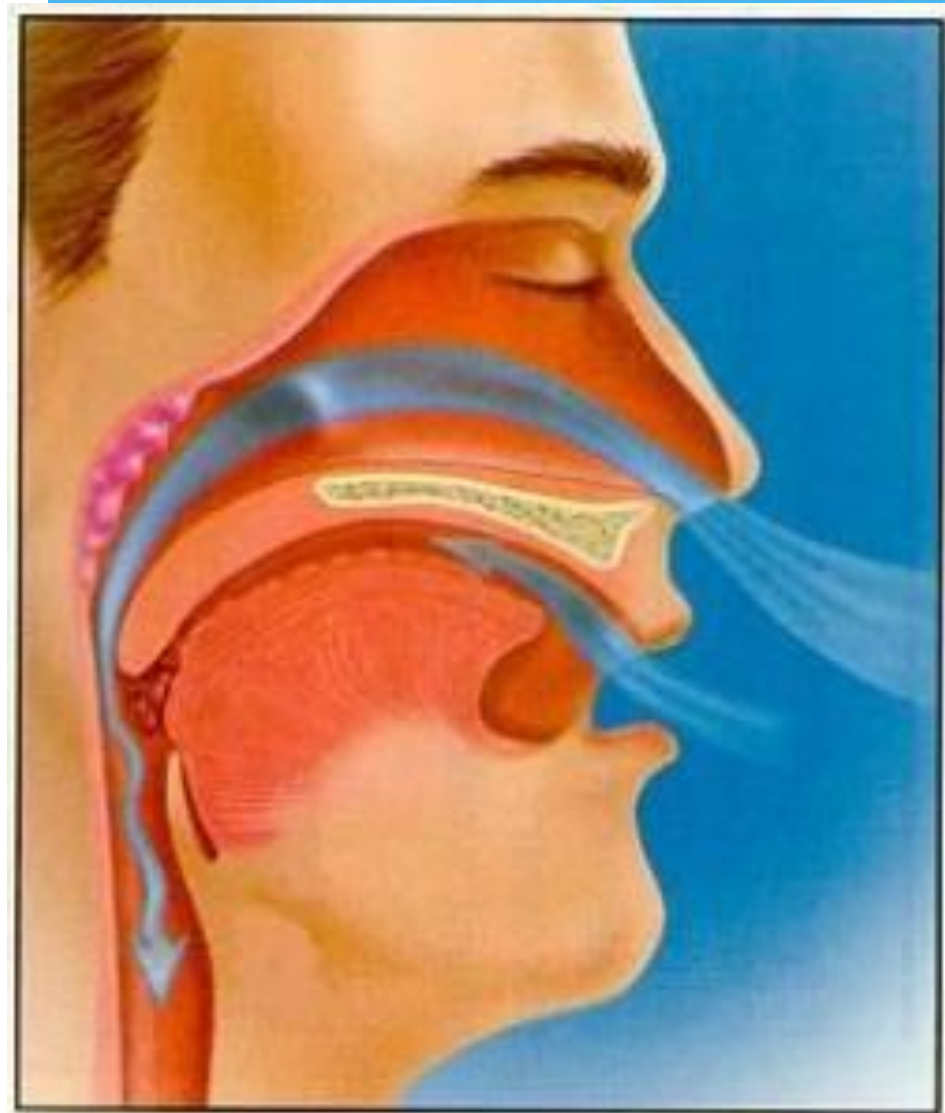
FUNKCIA



* zabezpečuje
dýchanie

* príjem O_2

vyučovanie CO_2



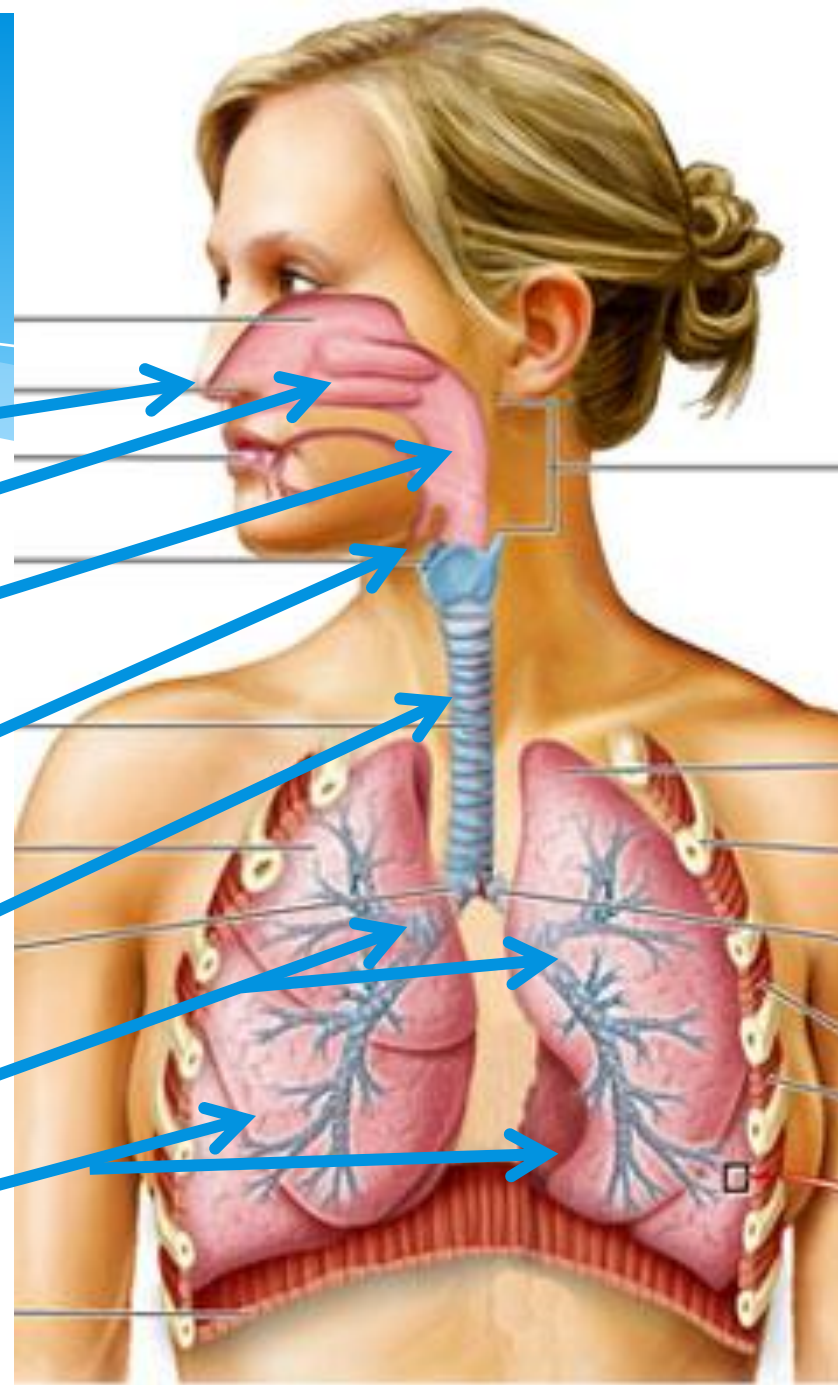
Dýchacie cesty

* HORNÉ

- * nos
- * nosová dutina
- * nosohltan

* DOLNÉ

- * hrtan
- * priedušnica
- * priedušky
- * pľúca



HORNÉ DÝCHACIE CESTY

NOS

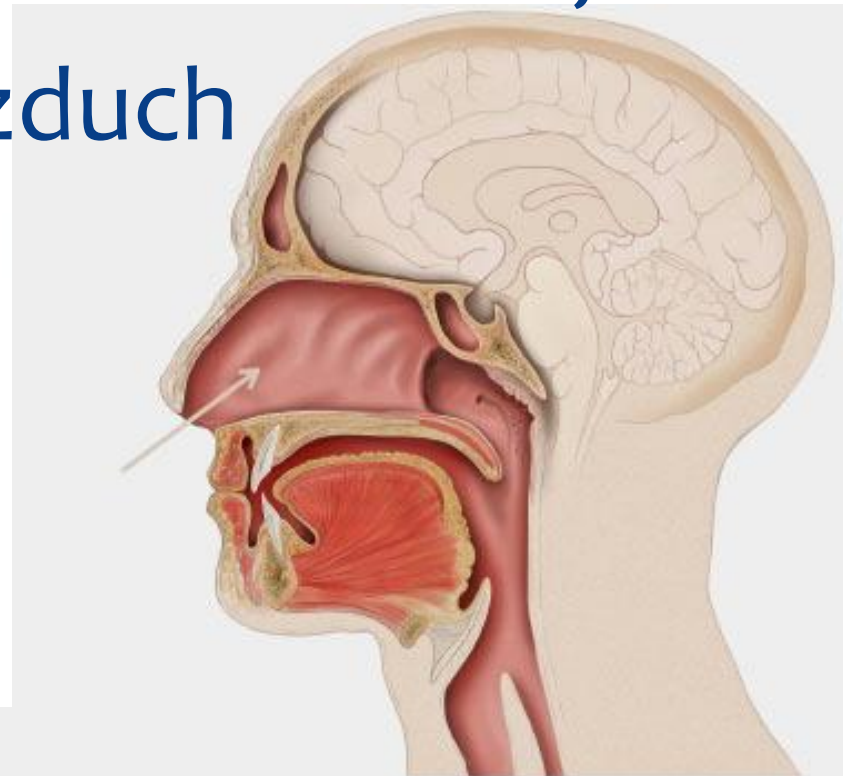
-zachytáva nečistoty



HORNÉ DÝCHACIE CESTY

NOSOVÁ DUTINA

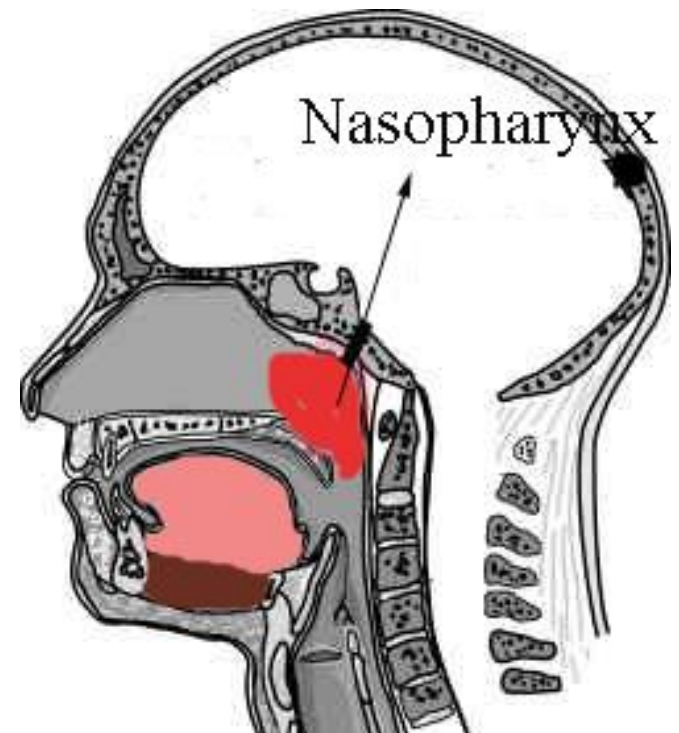
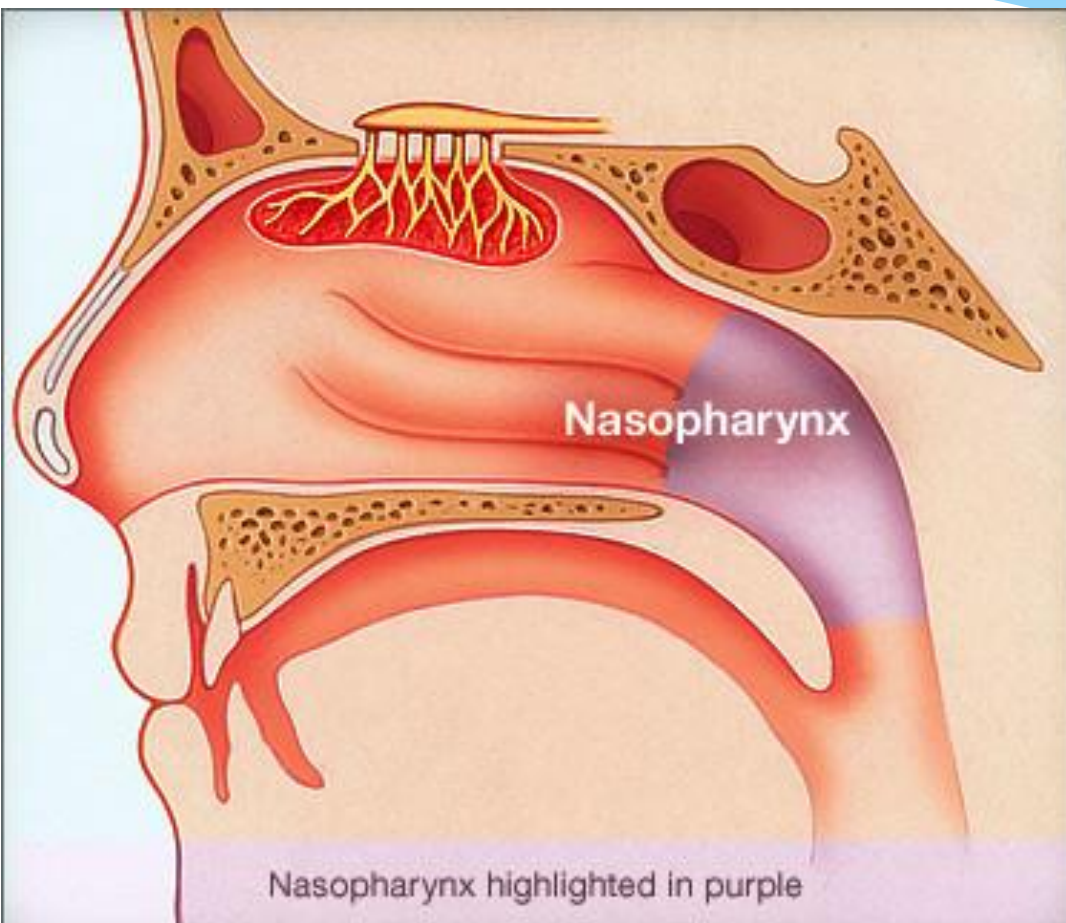
-ohrieva a zvlhčuje
vzduch



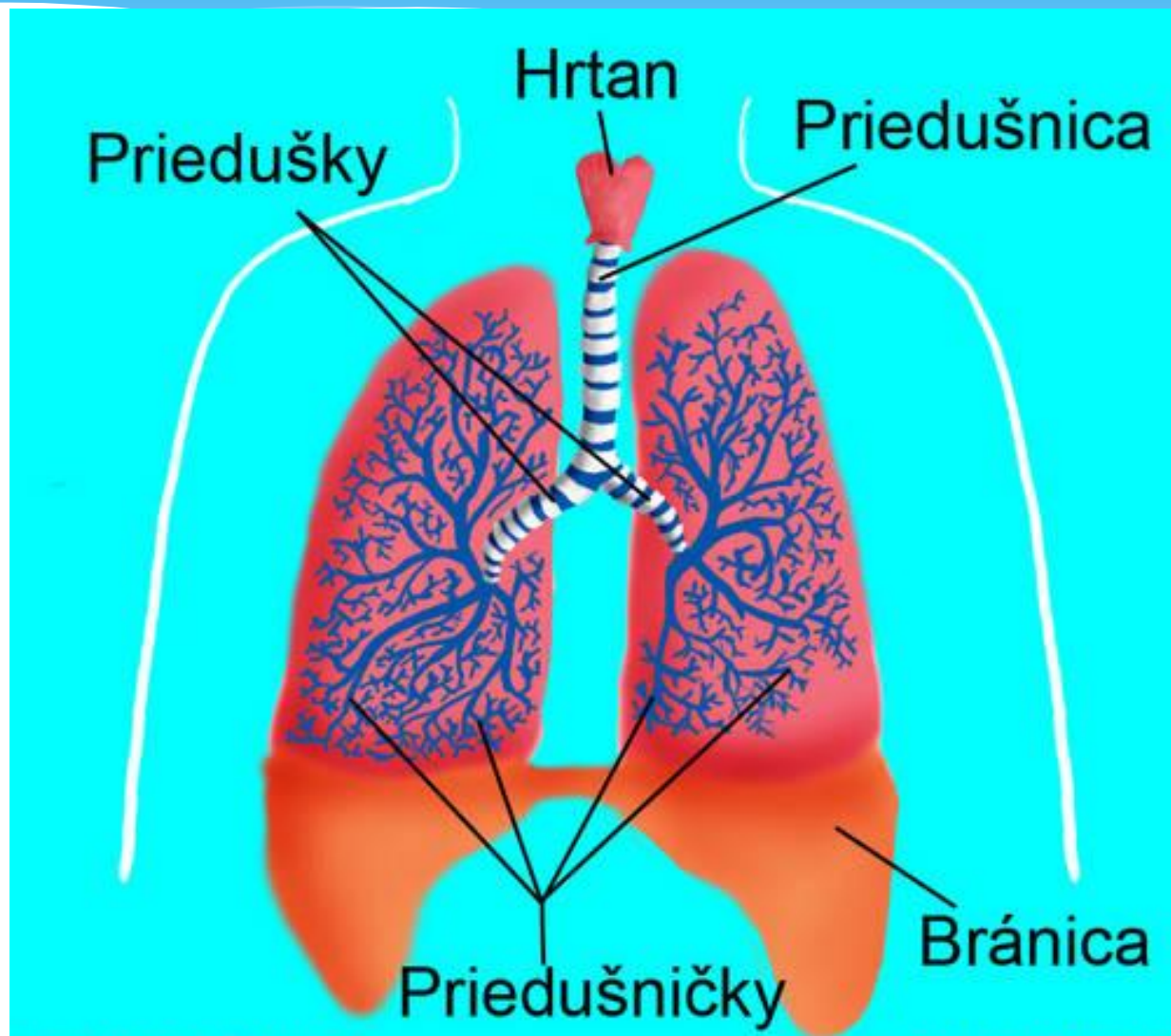
HORNÉ DÝCHACIE CESTY

NOSOHLTAN

-spojenie TS a DS



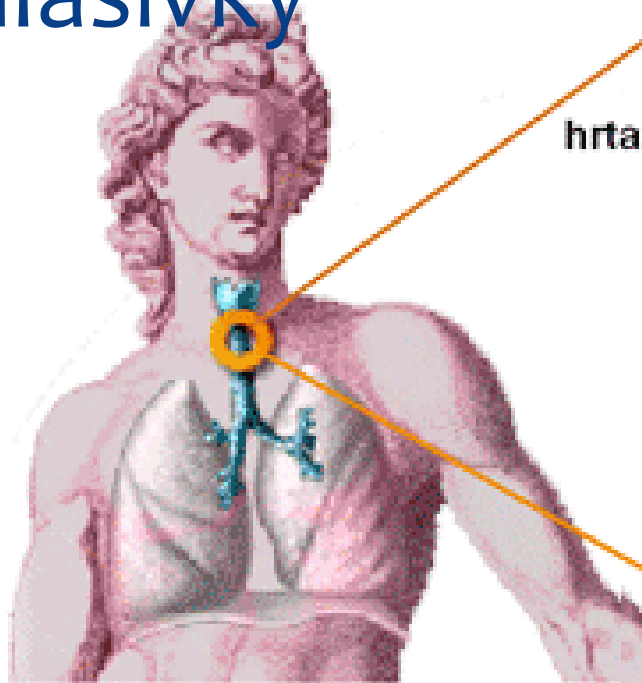
DOLNÉ DÝCHACIE CESTY



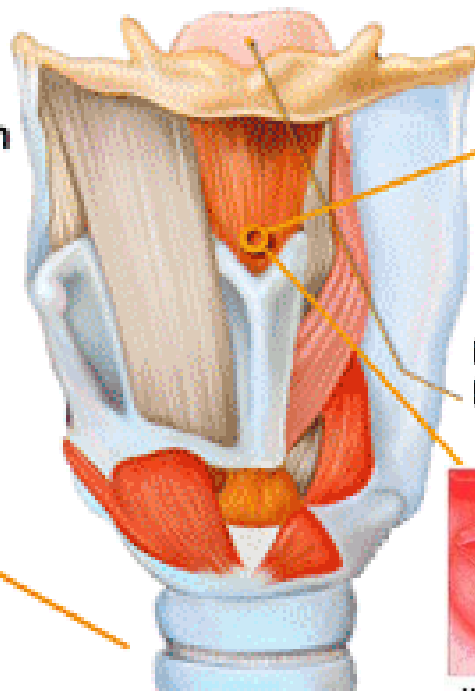
DOLNÉ DÝCHACIE CESTY

HRTAN

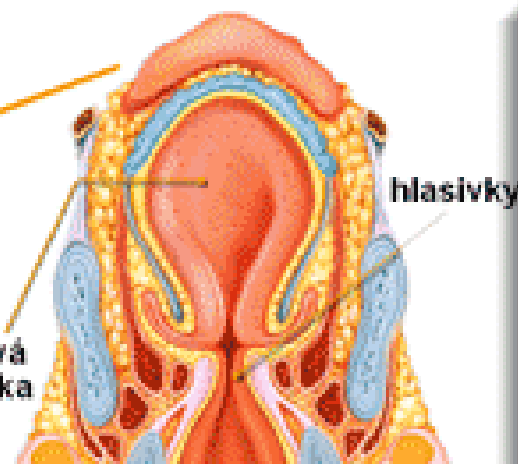
- tvorený chrupkami
- štítna chrupka (ohrýzok)
- hlasivky



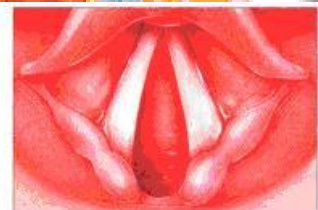
hrtan



hrtanová príklopka



hlasivky

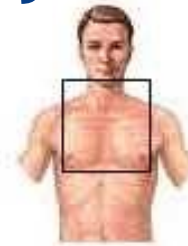
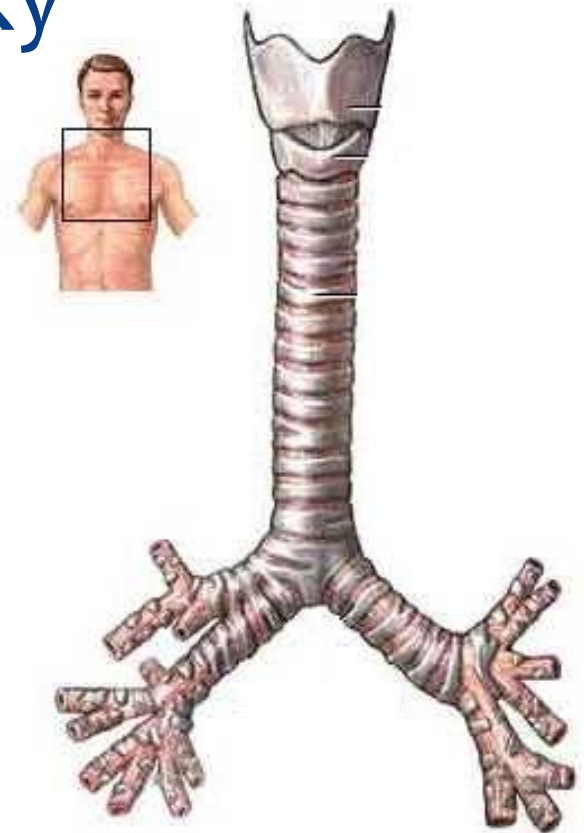
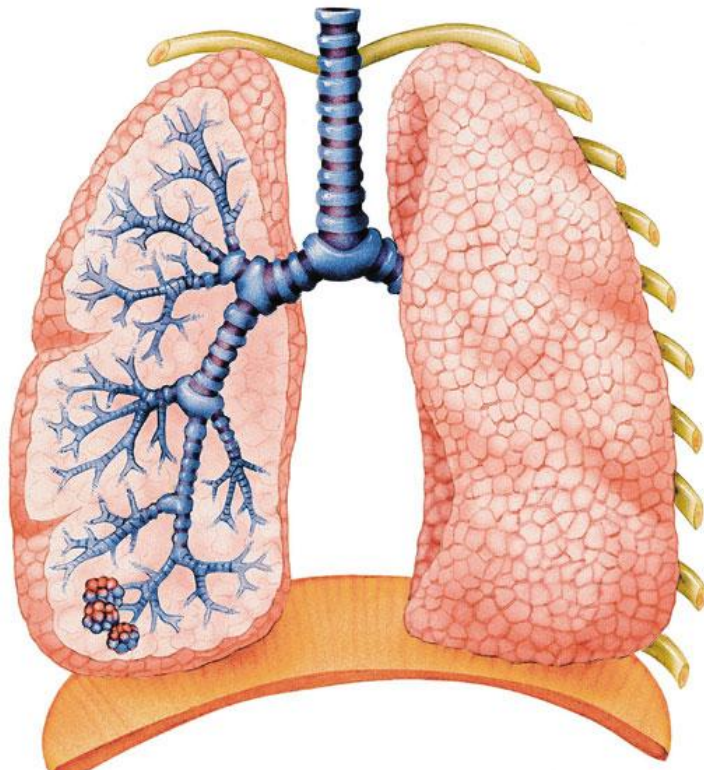


DOLNÉ DÝCHACIE CESTY

PRIEDUŠNICA

-tvorená chrupkami

-rozdeľuje sa na 2 priedušky

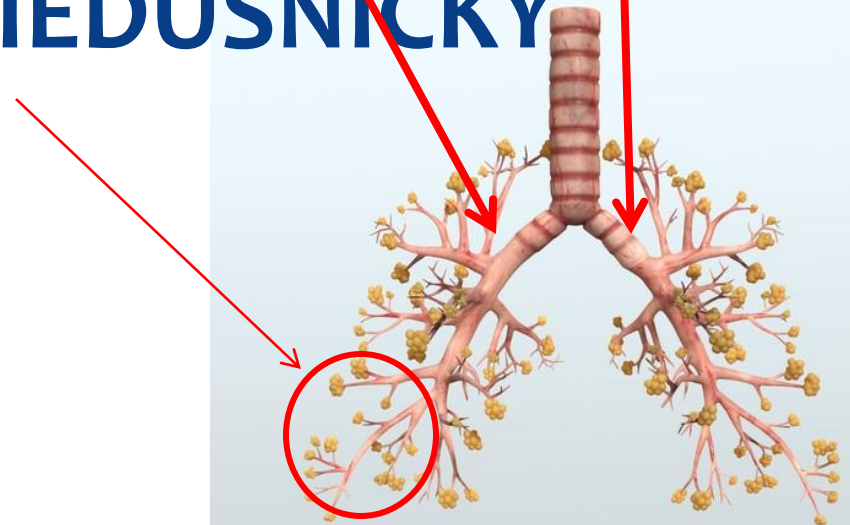


DOLNÉ DÝCHACIE CESTY

2 PRIEDUŠKY

-tvorené chrupkami

-rozvetvujú sa na **PRIEDUŠNIČKY**

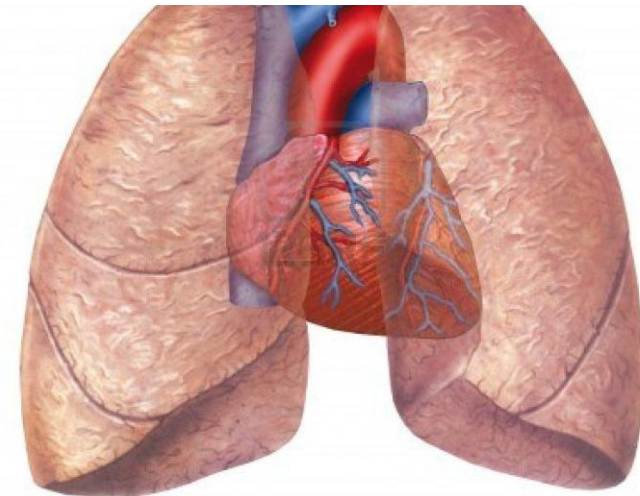
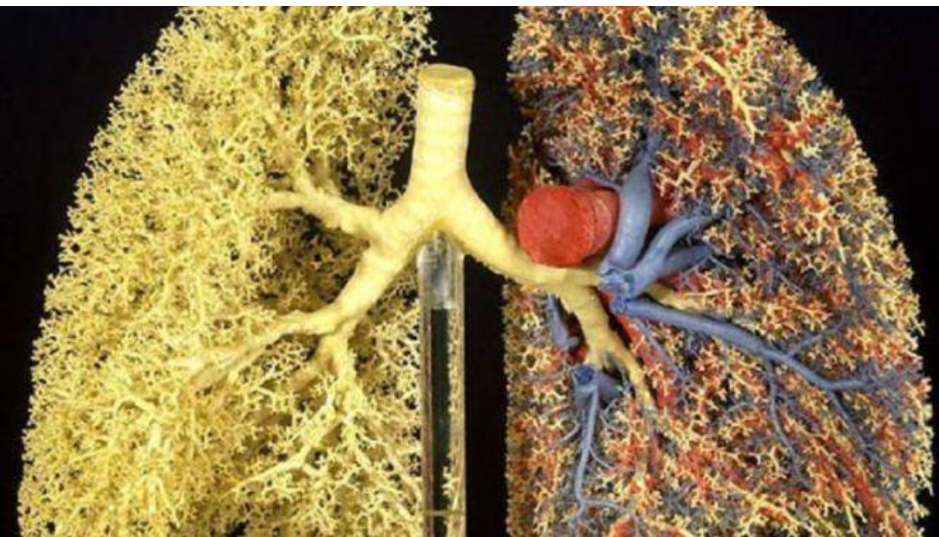
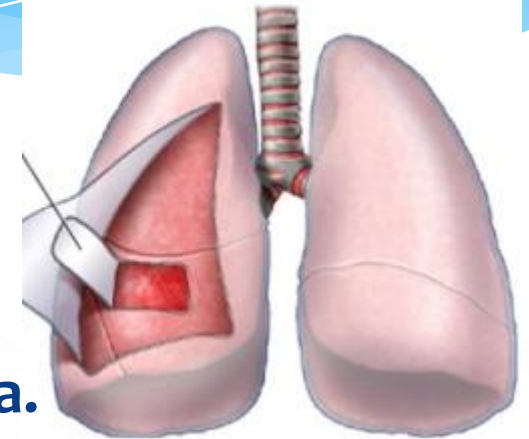


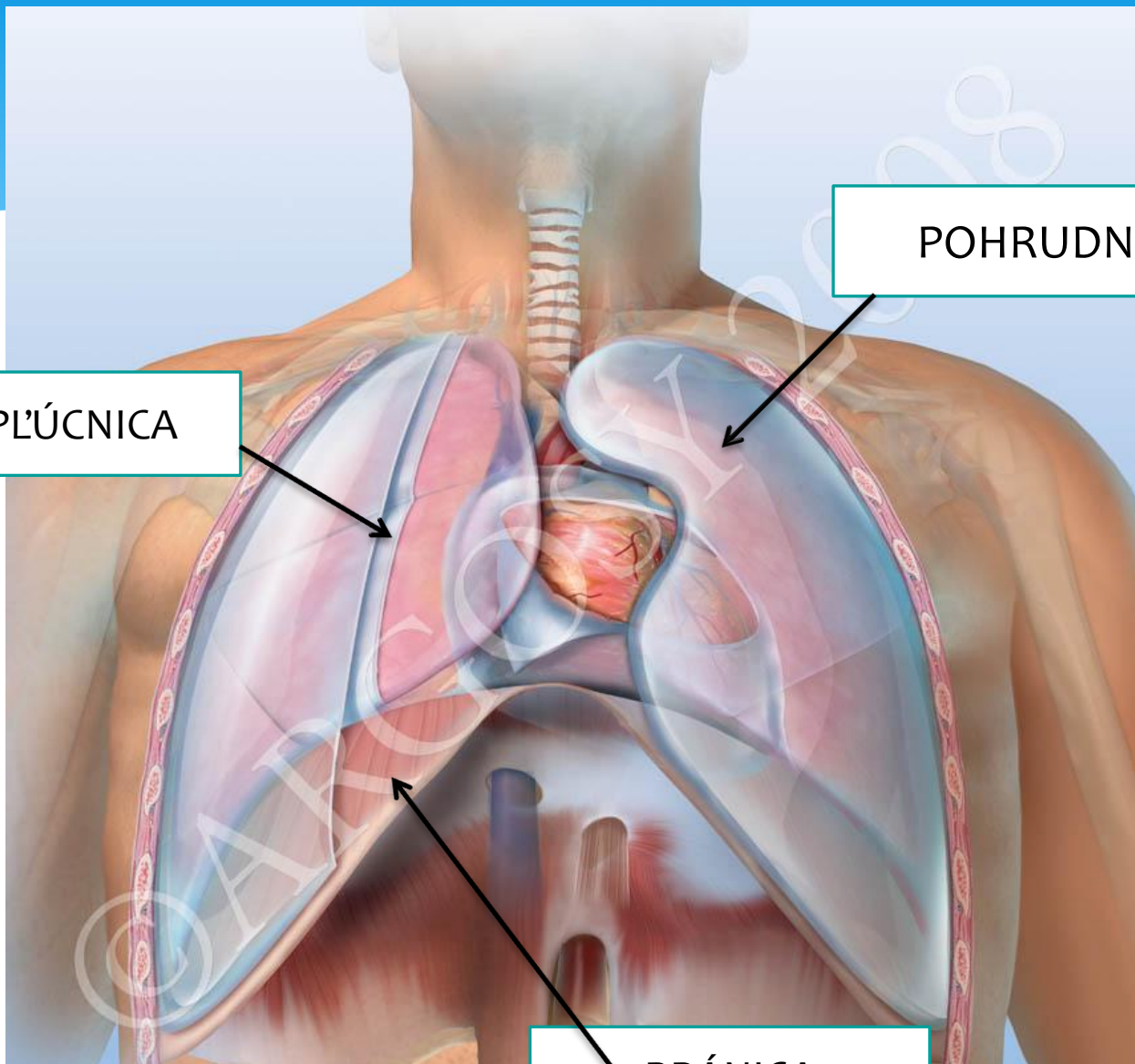
DOLNÉ DÝCHACIE CESTY

PLŮCA

-O₂ do krvi, CO₂ z krvi

- * Uložené v hrudníkovej dutine
- * Ľahké, pružné vzdušné
- * Pokryté sú **popľúcnicou** a tá v spodnej časti prechádza na steny hrudníka ako **pohrudnica**.





POHRUDNICA

POPLŮCNICA

BRÁNICA

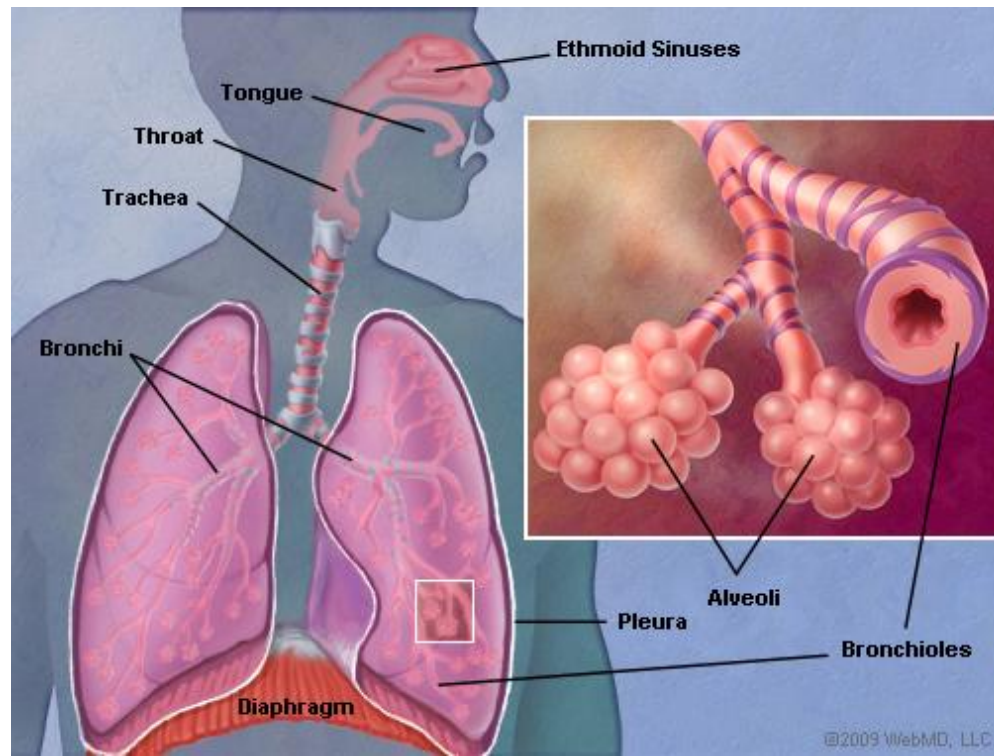
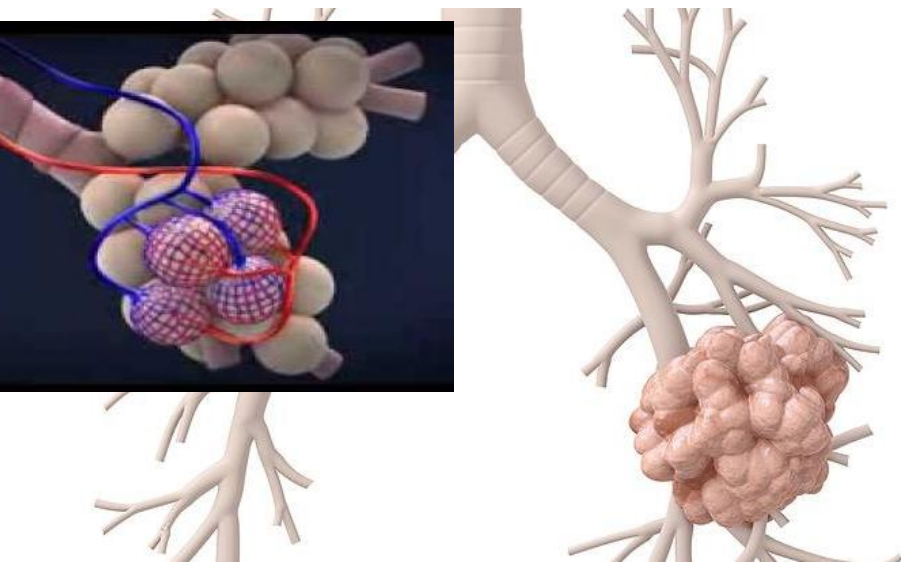
DOLNÉ DÝCHACIE CESTY

PLŮCA

-sú tvorené pľúcnyimi mechúrikmi

* V nich dochádza k výmene dýchacích plynov

Pľúcne mechúriky sú ovité **krvnými vlásočnicami**



ĎAKUJEM ZA POZORNOST

<https://www.youtube.com/watch?v=dDF8ptkj2AQ>