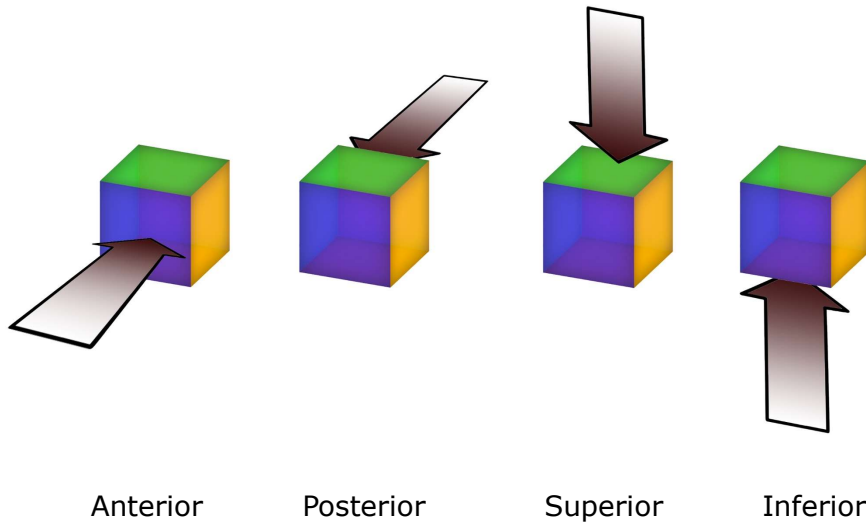




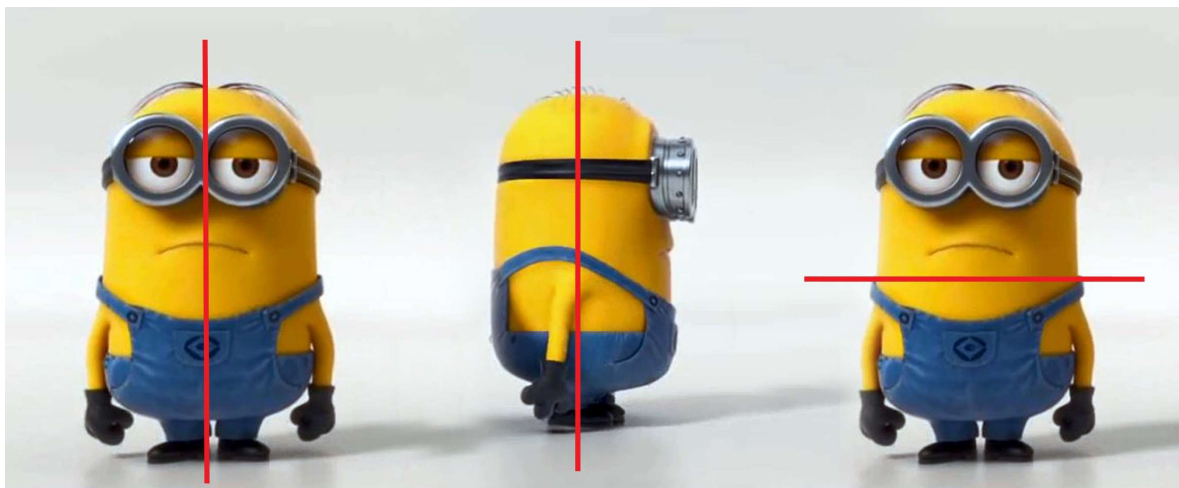
Anatomy & Physiology of the Voice

Presentation by
Charlotte Xerri

Vantage Points



Planes



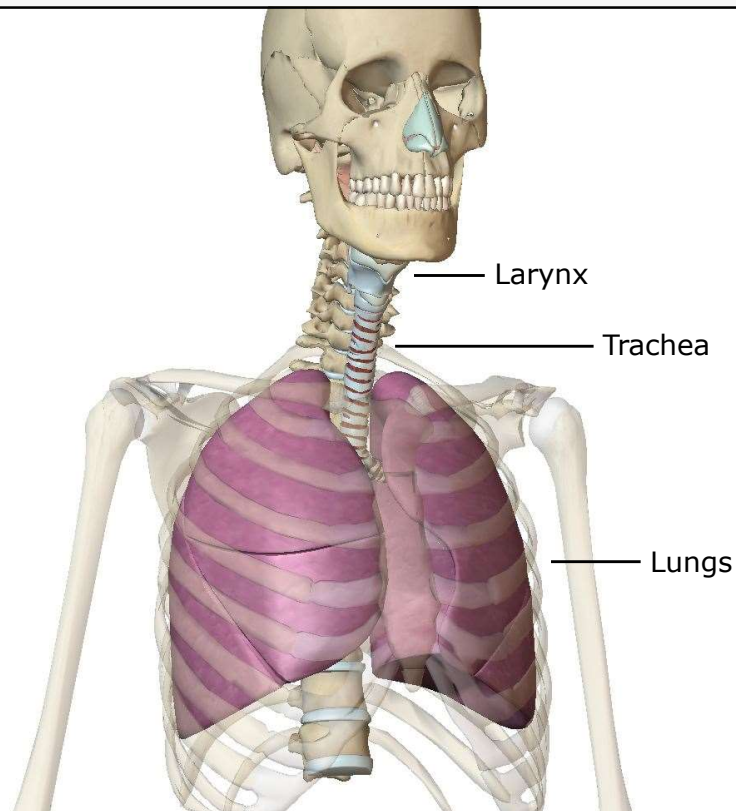
Sagittal

Coronal

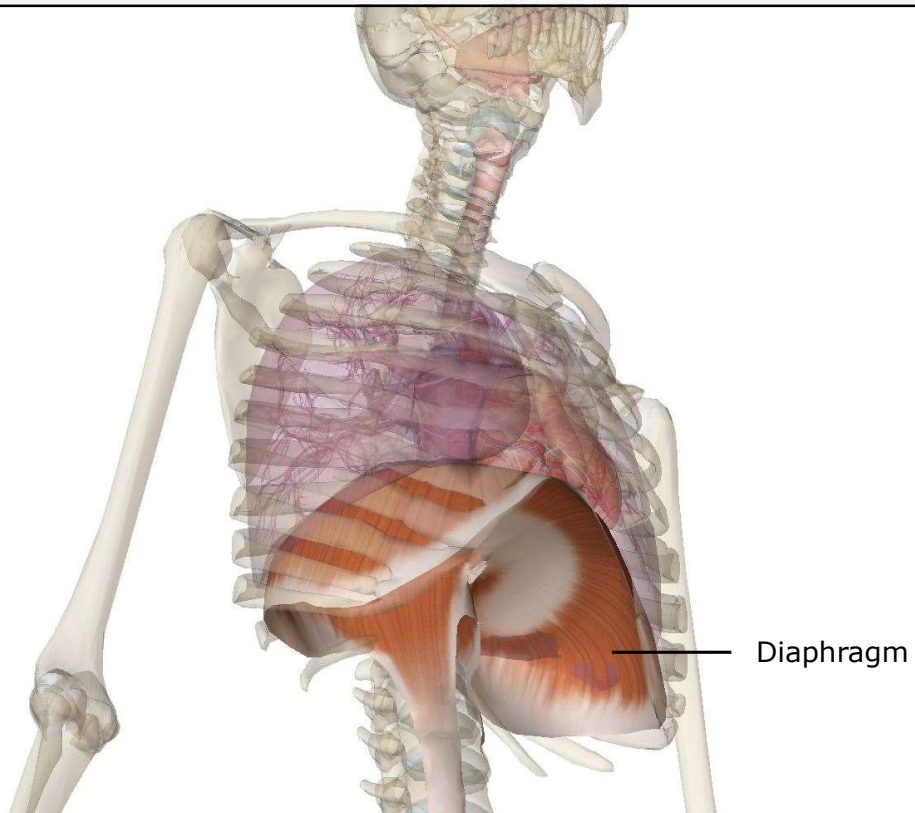
Transverse

Power – Source – Filter

power

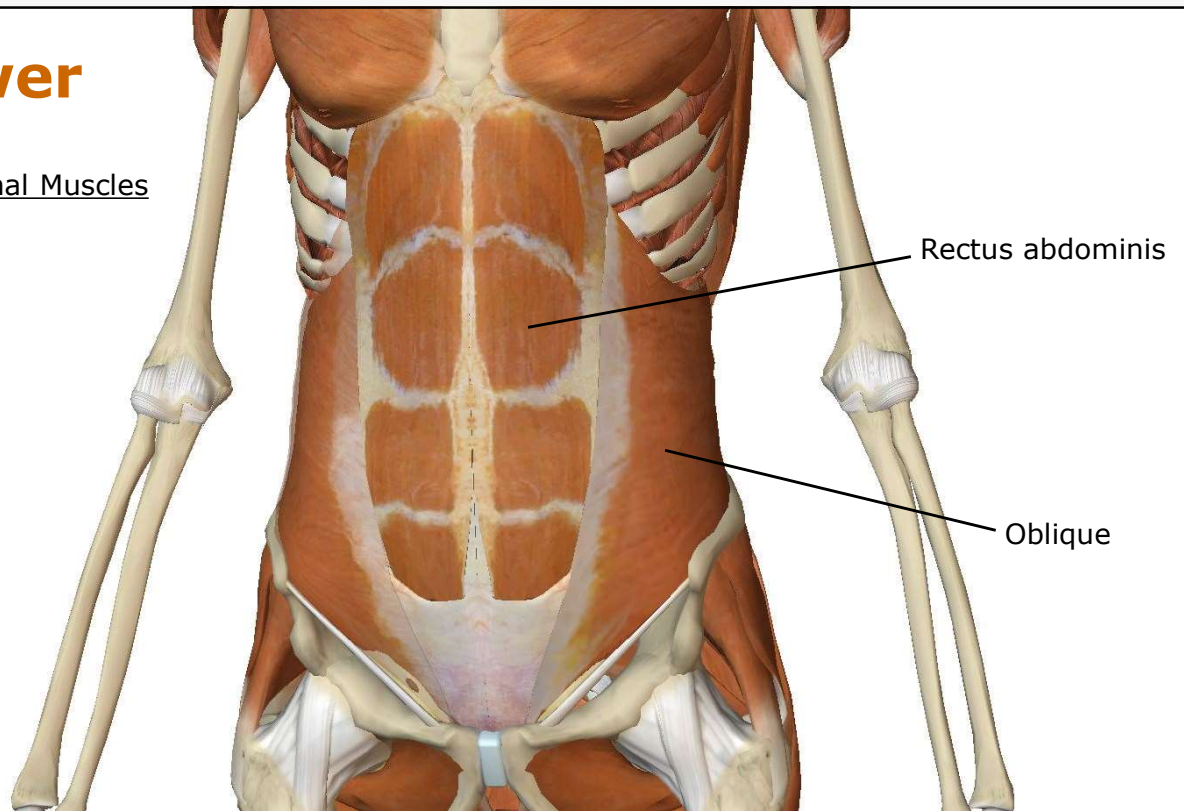


power



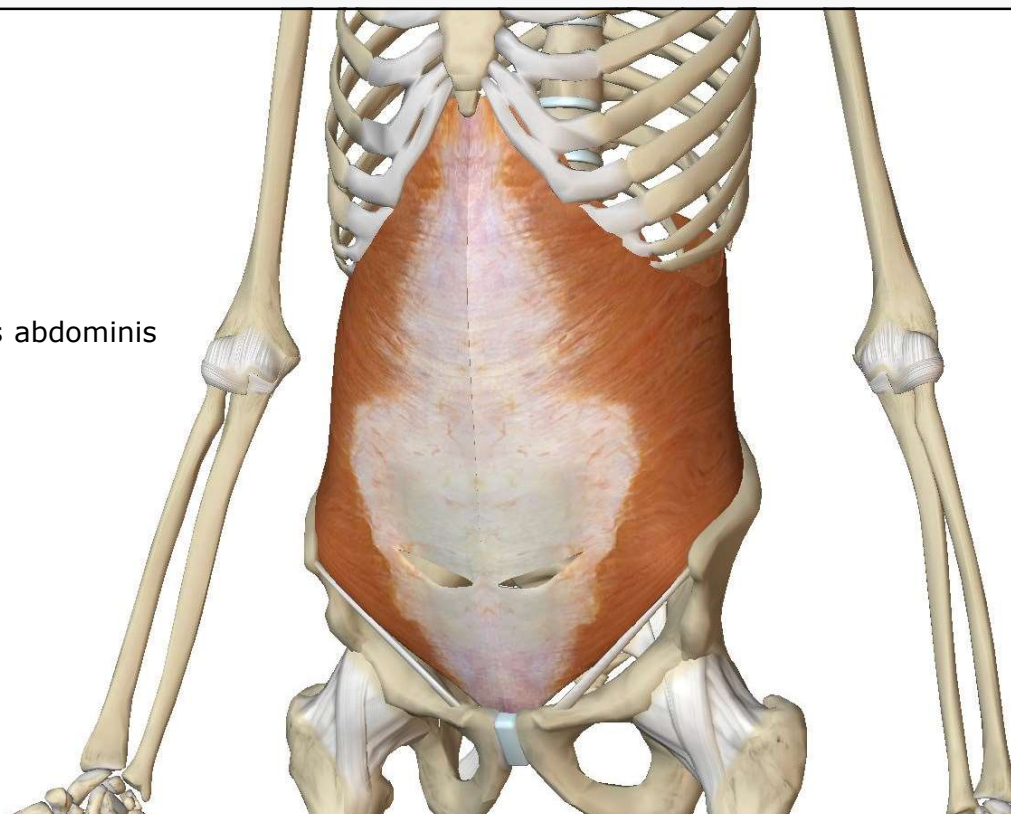
power

Abdominal Muscles



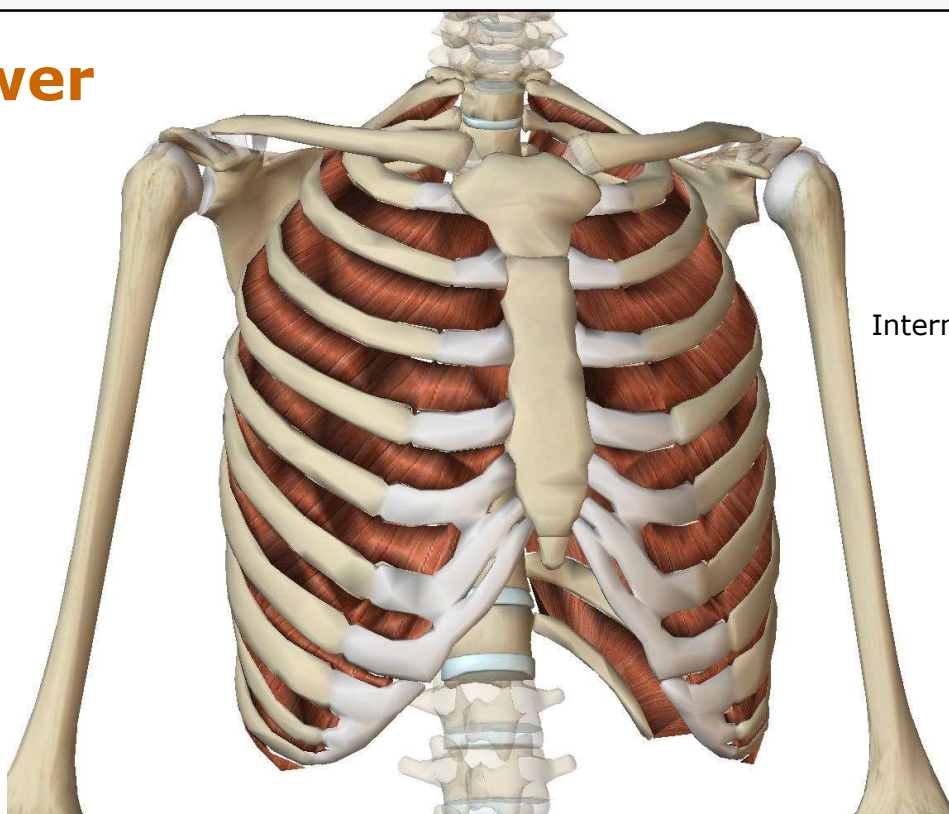
power

Transversus abdominis

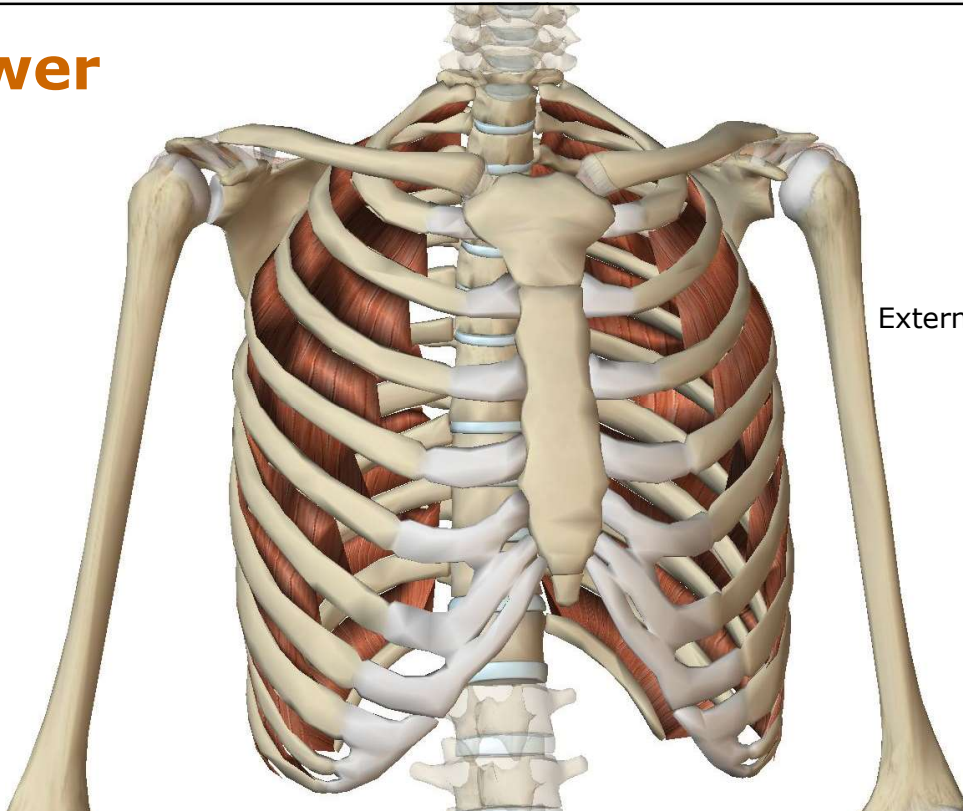


power

Internal intercostals



power



External intercostals

source



Epiglottis

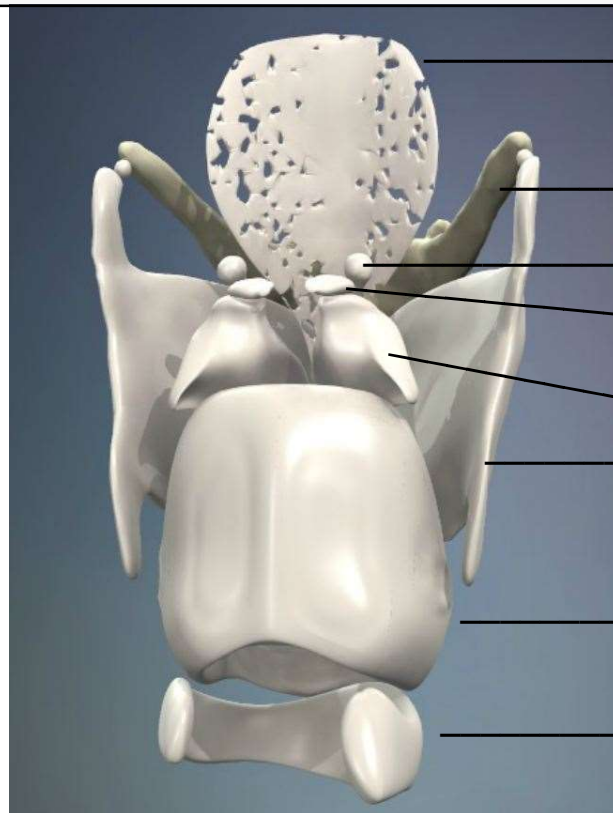
Hyoid bone

Thyroid cartilage

Cricoid cartilage

Tracheal ring

source



Epiglottis

Hyoid bone

Cuneiform cartilage

Corniculate cartilage

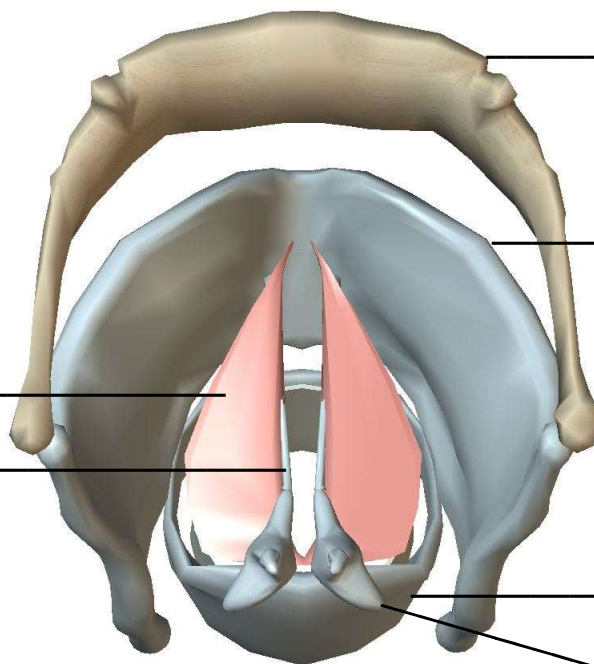
Arytenoid cartilage

Thyroid cartilage

Cricoid cartilage

Tracheal ring

source



Hyoid bone

Thyroid cartilage

True vocal fold

Vocal ligament

Cricoid cartilage

Arytenoid cartilage

source

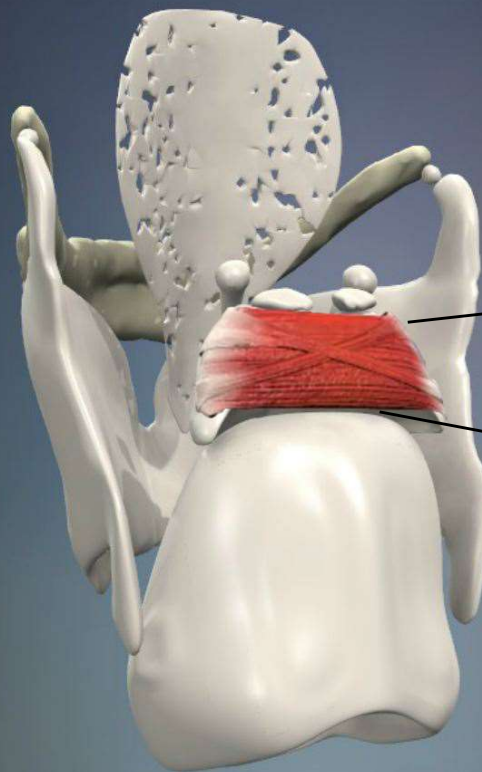
Abductor muscles



Posterior
Cricoarytenoid

source

Adductor muscles



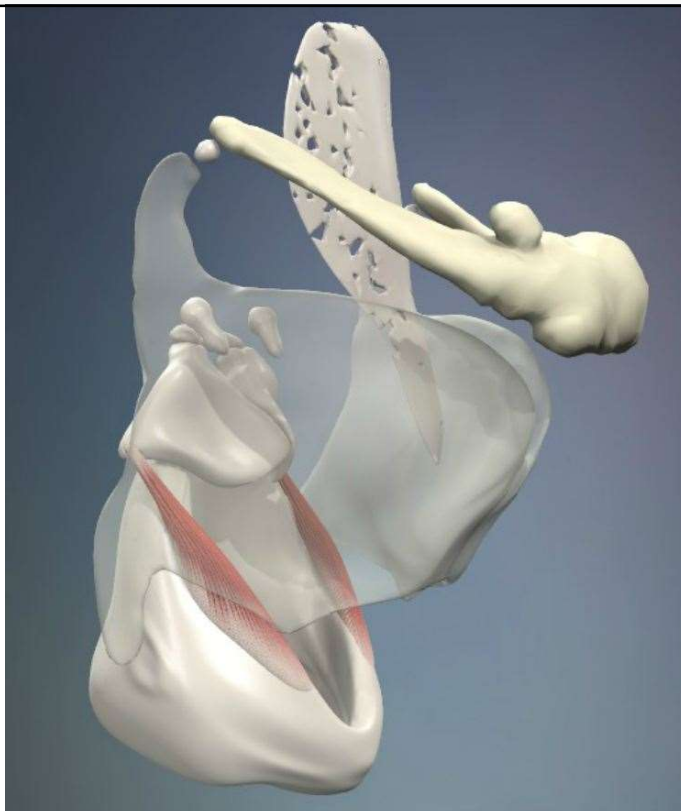
Interarytenoid
Consist of -

Oblique
arytenoid

Transverse
arytenoid

source

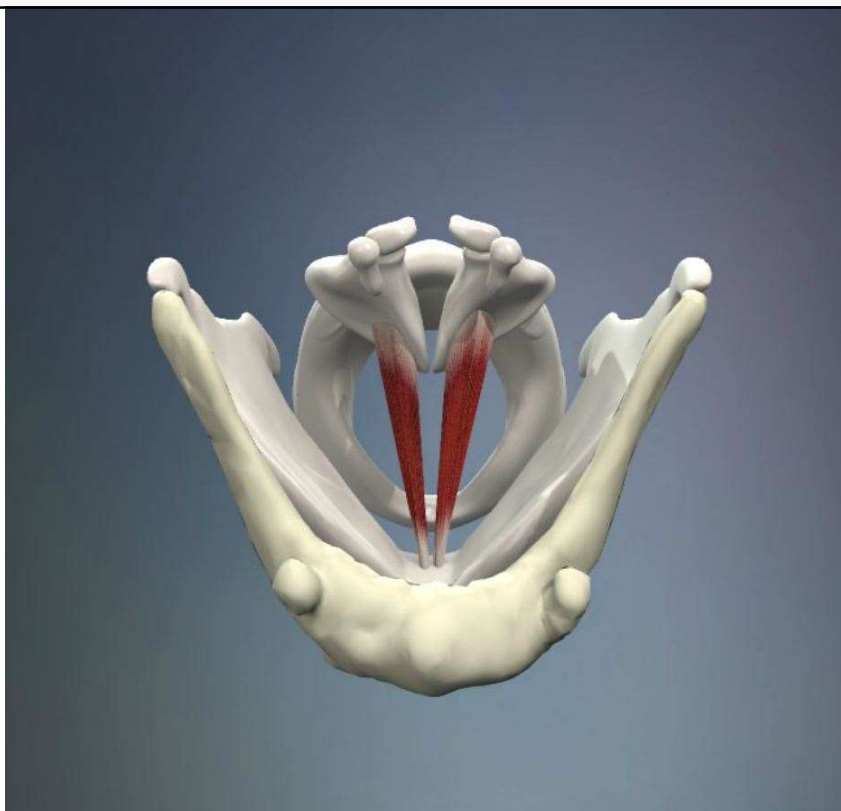
Adductor muscles



Lateral
cricothyroid

source

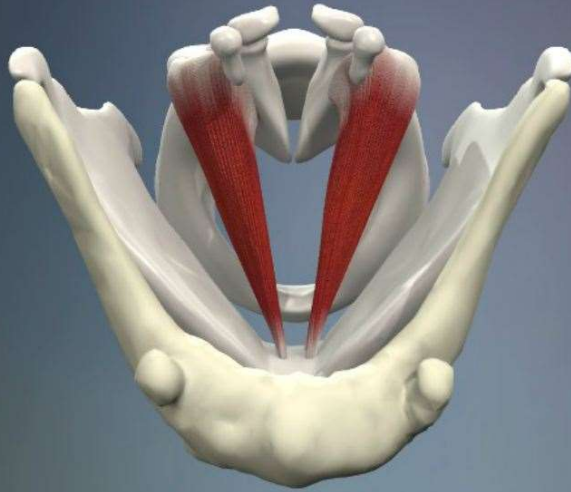
Relaxer muscles



Vocalis

source

Relaxer muscles



Lateral
thyroarytenoid

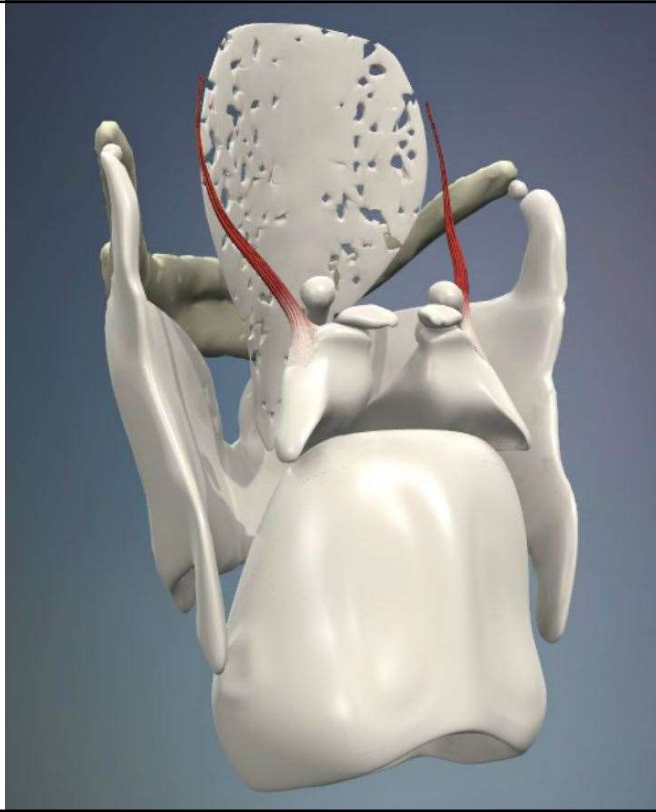
source

Tensor muscles



Cricothyroid

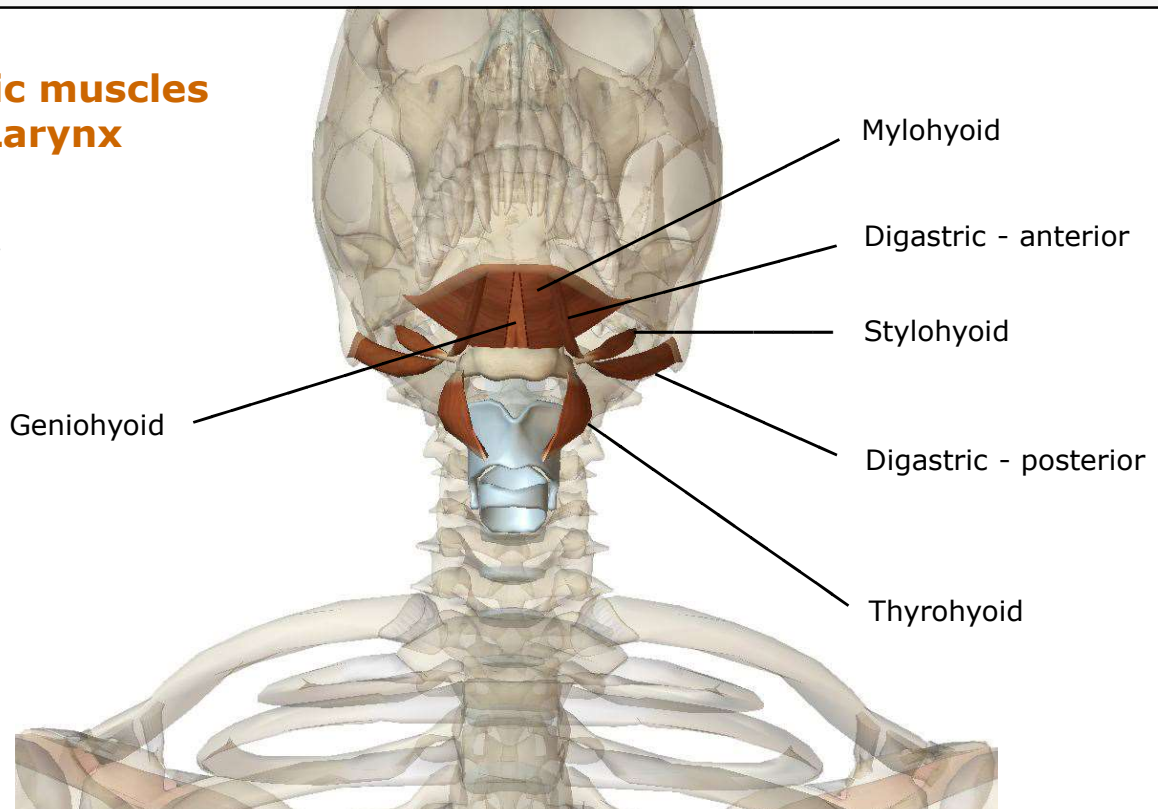
source



Aryepiglottic

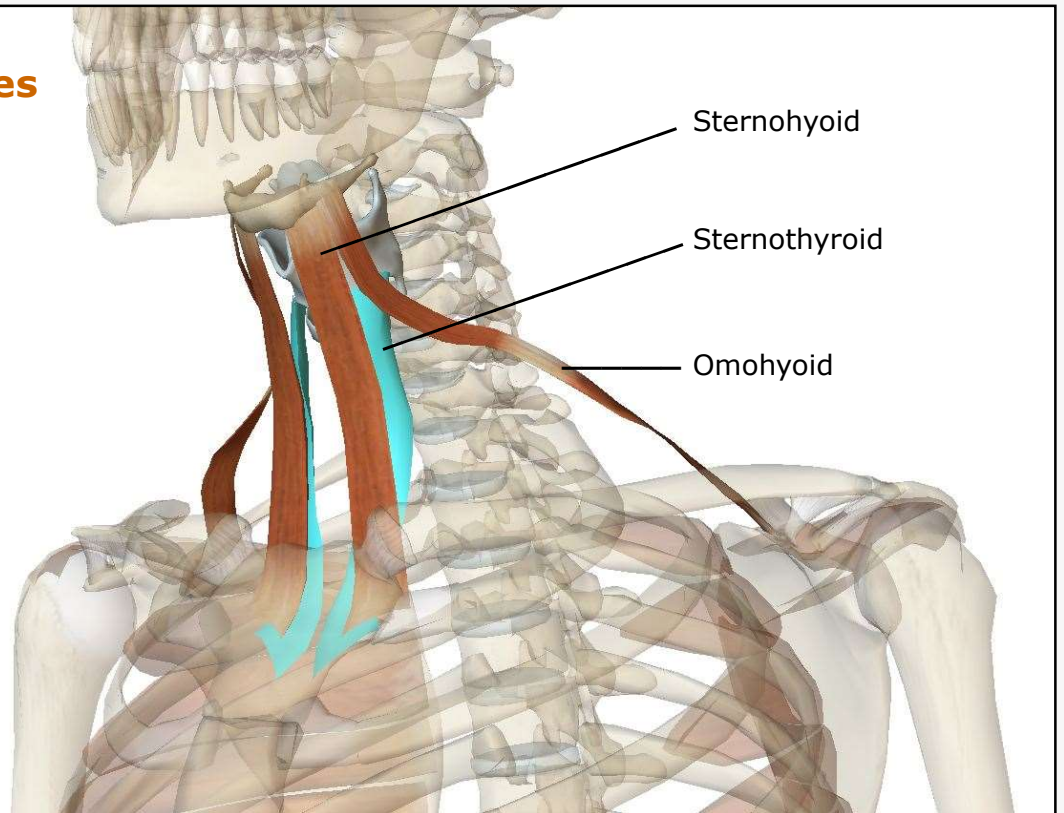
Extrinsic muscles of the Larynx

Suprahyoid
Elevators



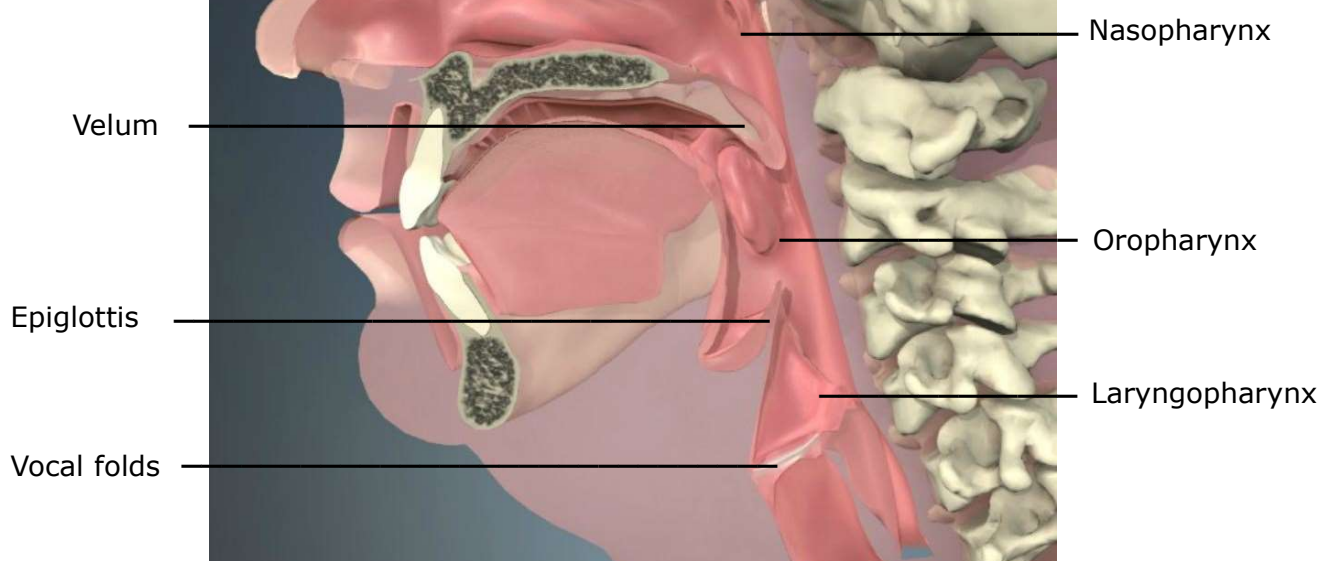
Extrinsic muscles of the Larynx

Infrahyoid
Depressors



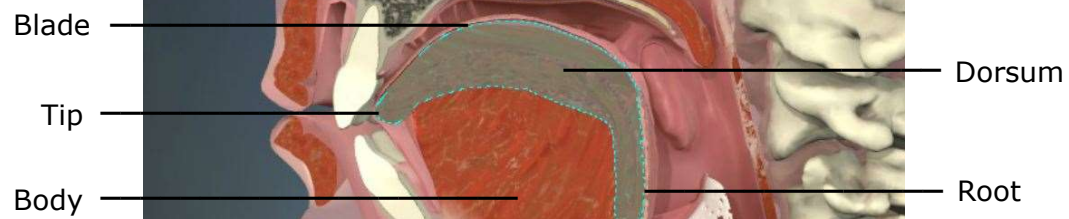
filter

Vocal tract



filter

Tongue



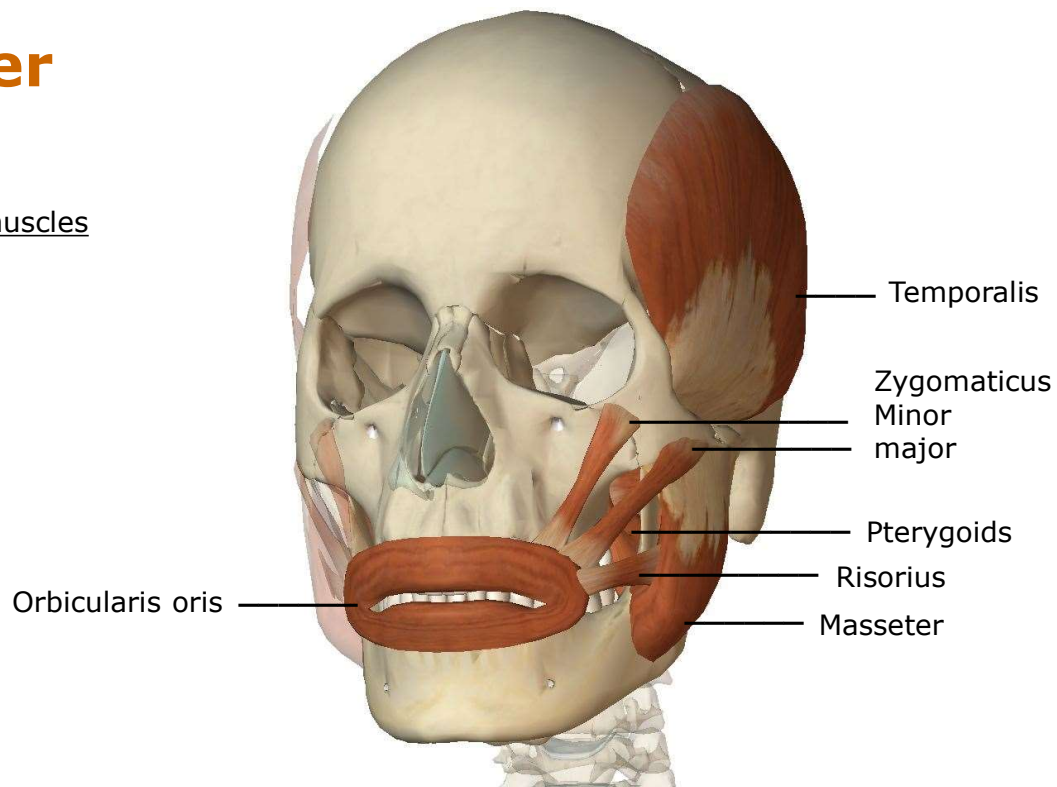
filter

Muscles of the Tongue (mucosa removed)



filter

Facial muscles



filter

Pharyngeal muscles

