

G21A: Oral Cavity



Syllabus - Pg. 6

Objectives

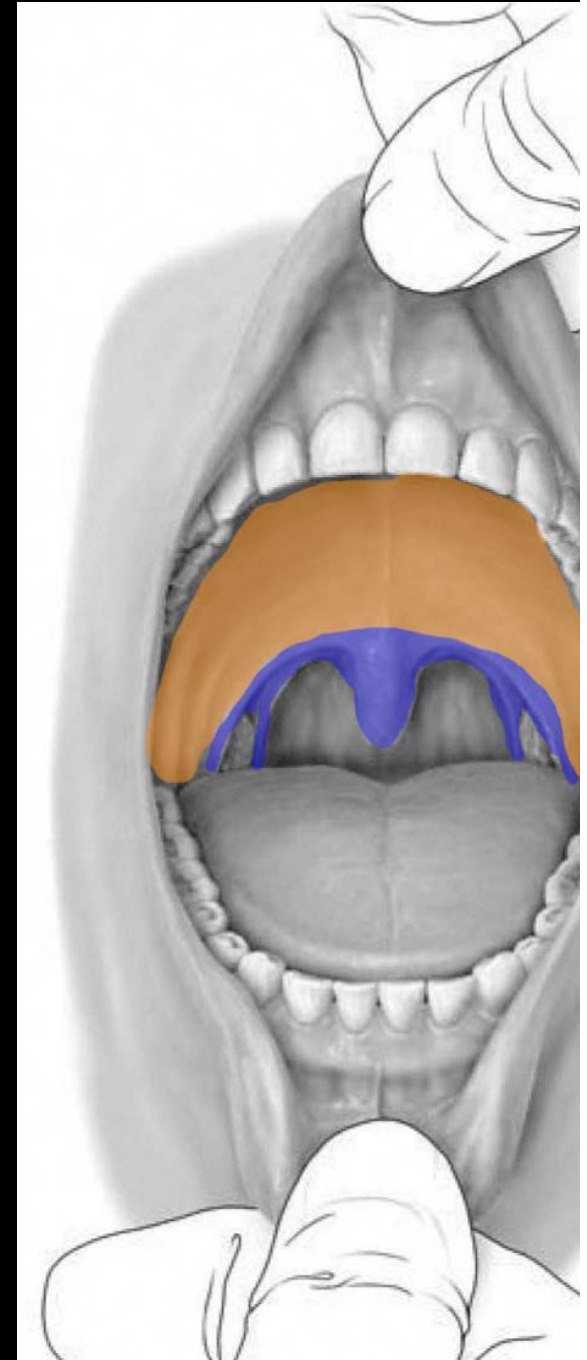
- Oral cavity
 - Tongue
 - Palate
 - Teeth

1) Oral Cavity Overview

Hard palate

Soft palate

Uvula

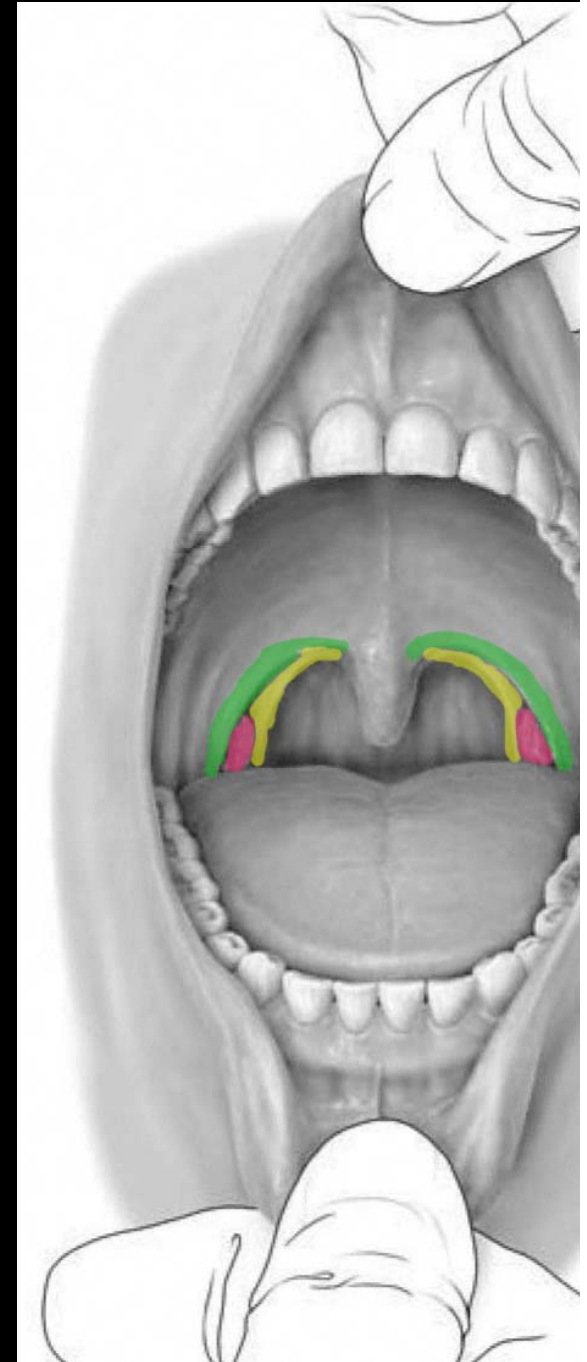


1) Oral Cavity Overview

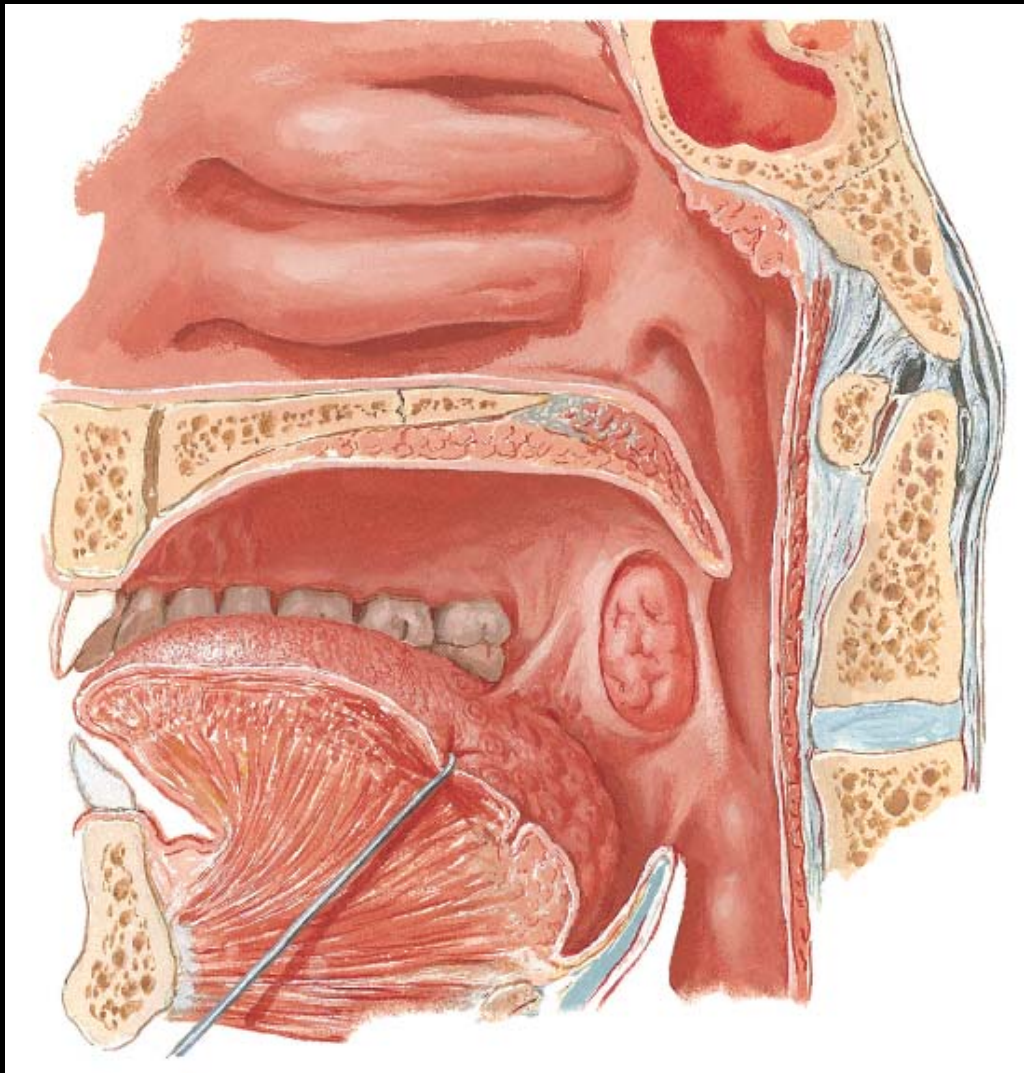
Palatoglossal arch

Palatine tonsil

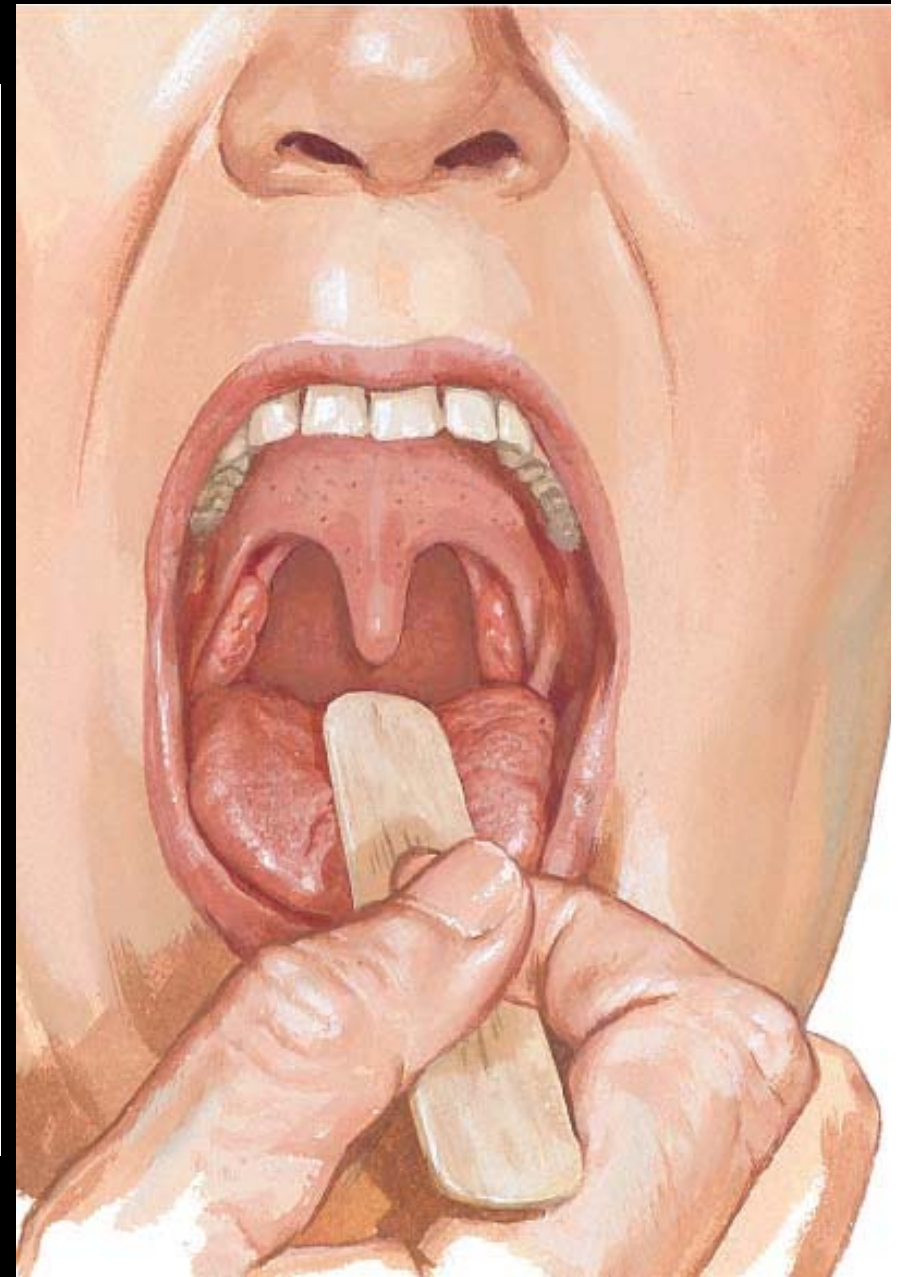
Palatopharyngeal arch



1) Oral Cavity Overview

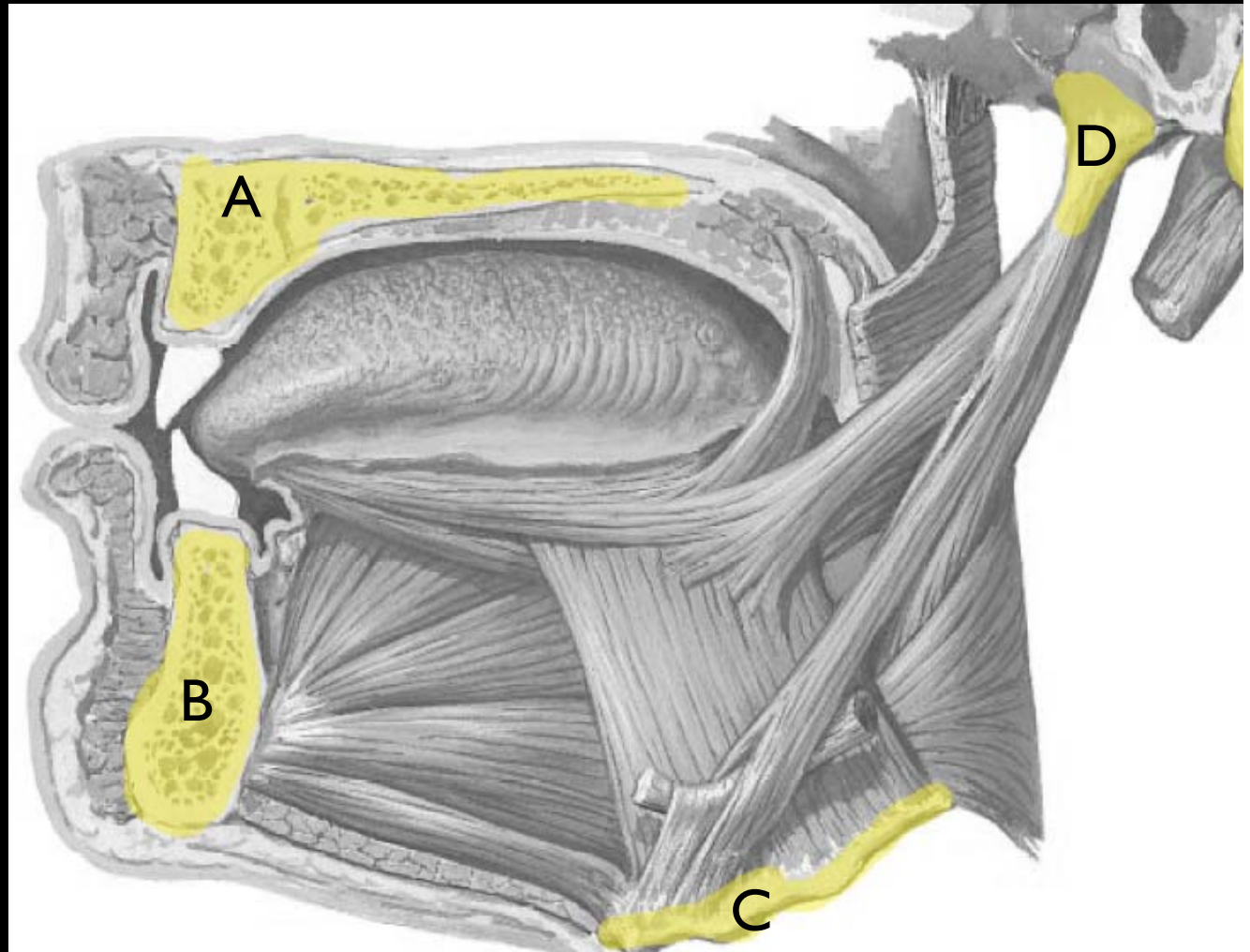


Medial view; Sagittal Section



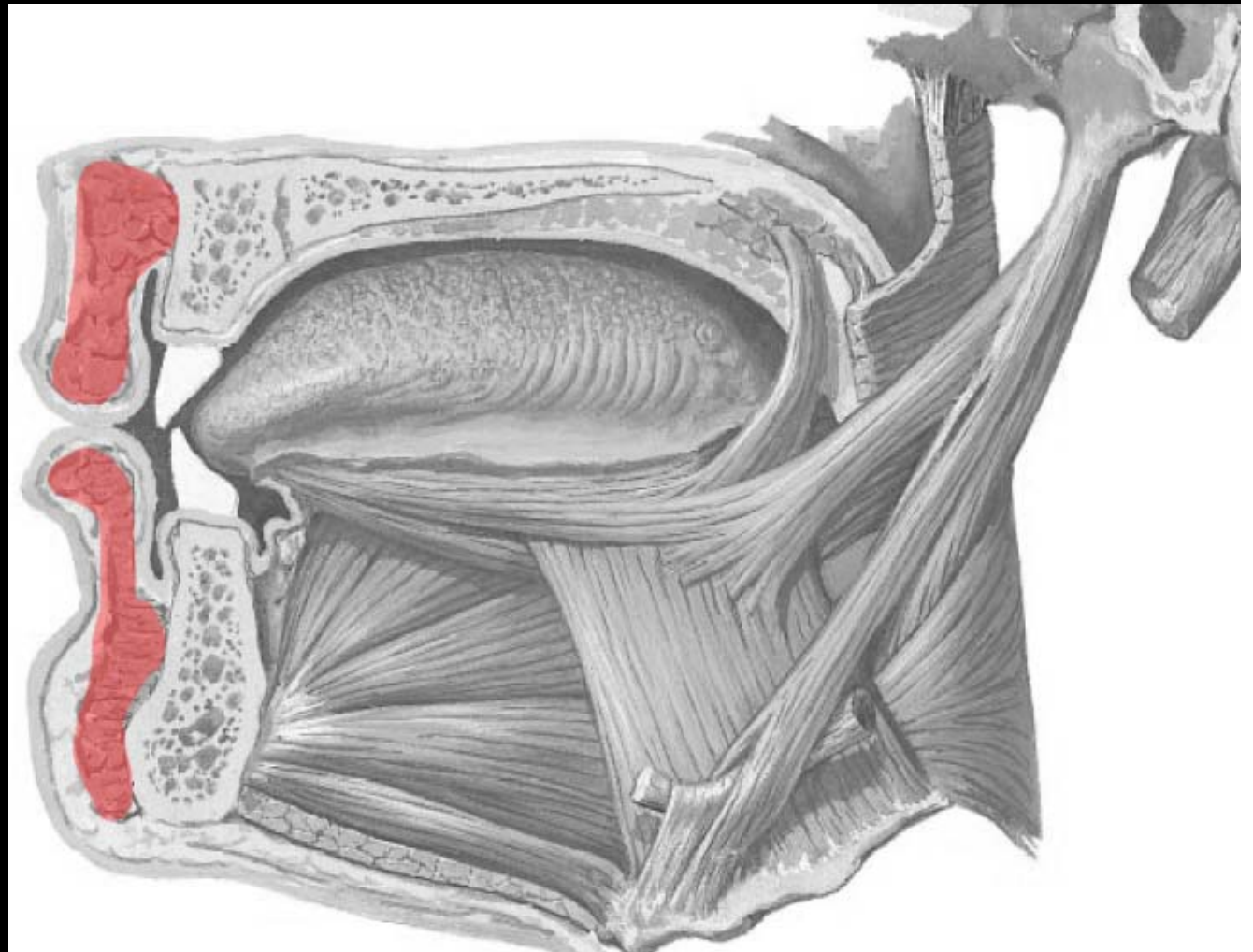
2) Tongue

ID the boney landmarks



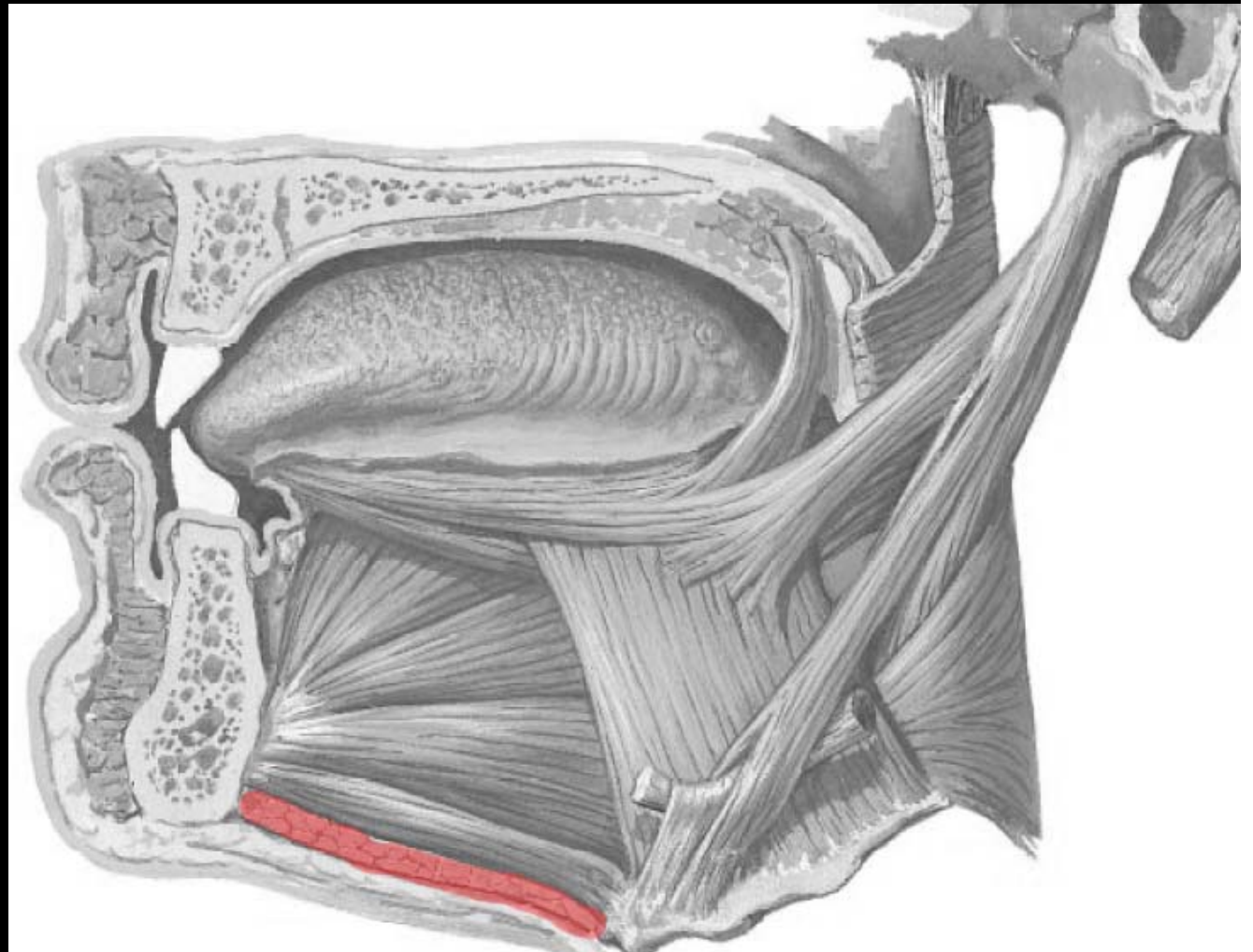
2) Tongue

ID the muscle and its innervation



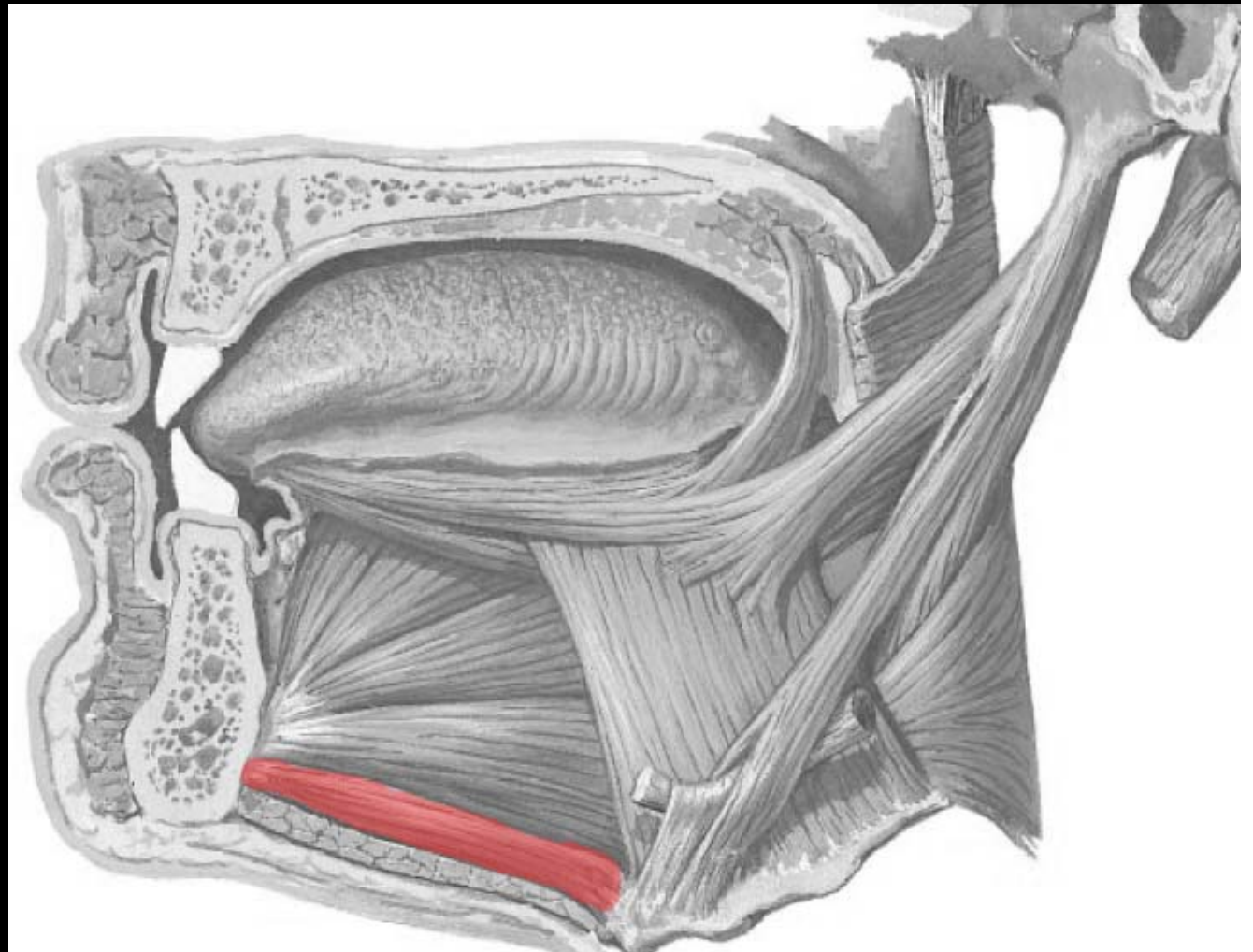
2) Tongue

ID the muscle and its innervation



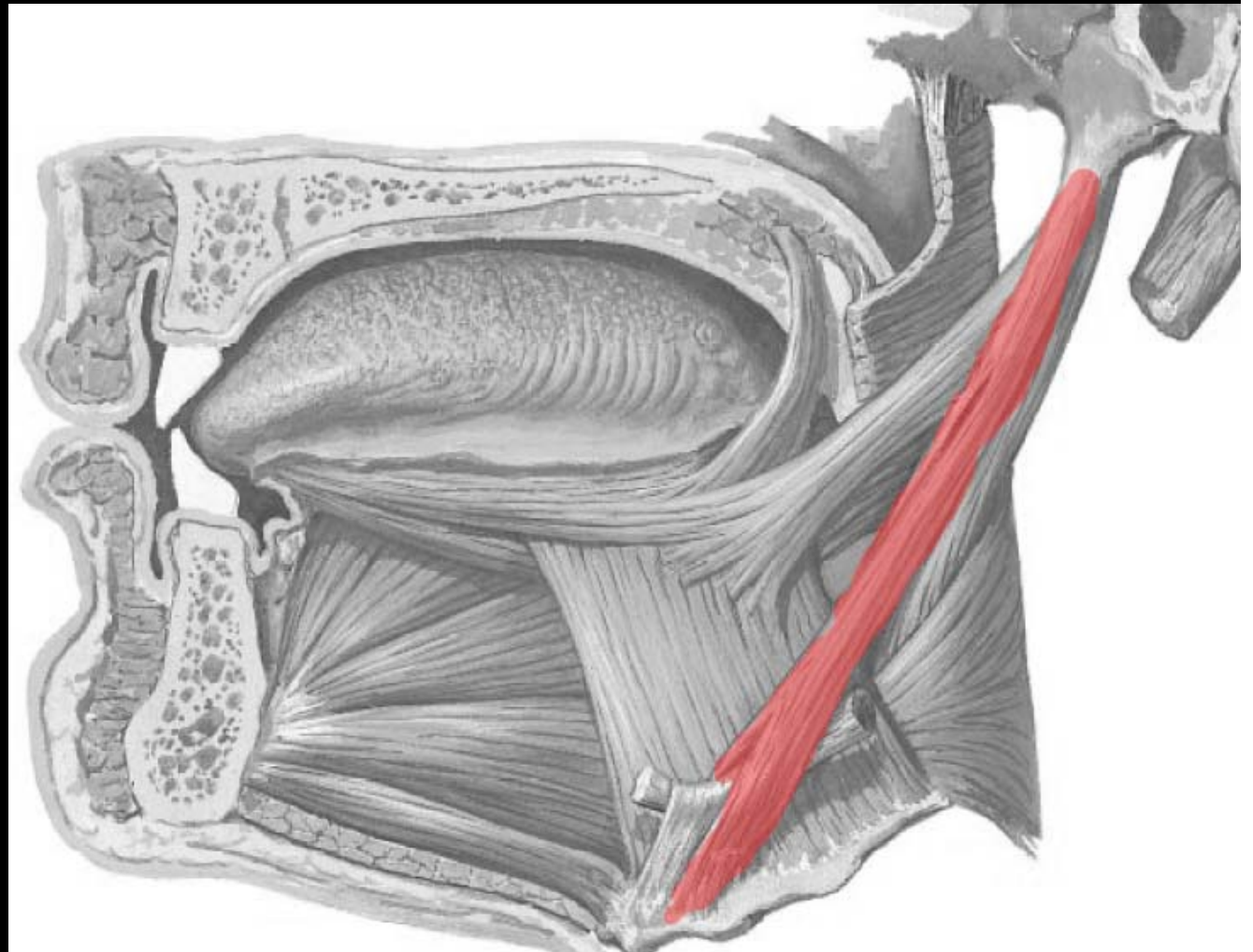
2) Tongue

ID the muscle and its innervation



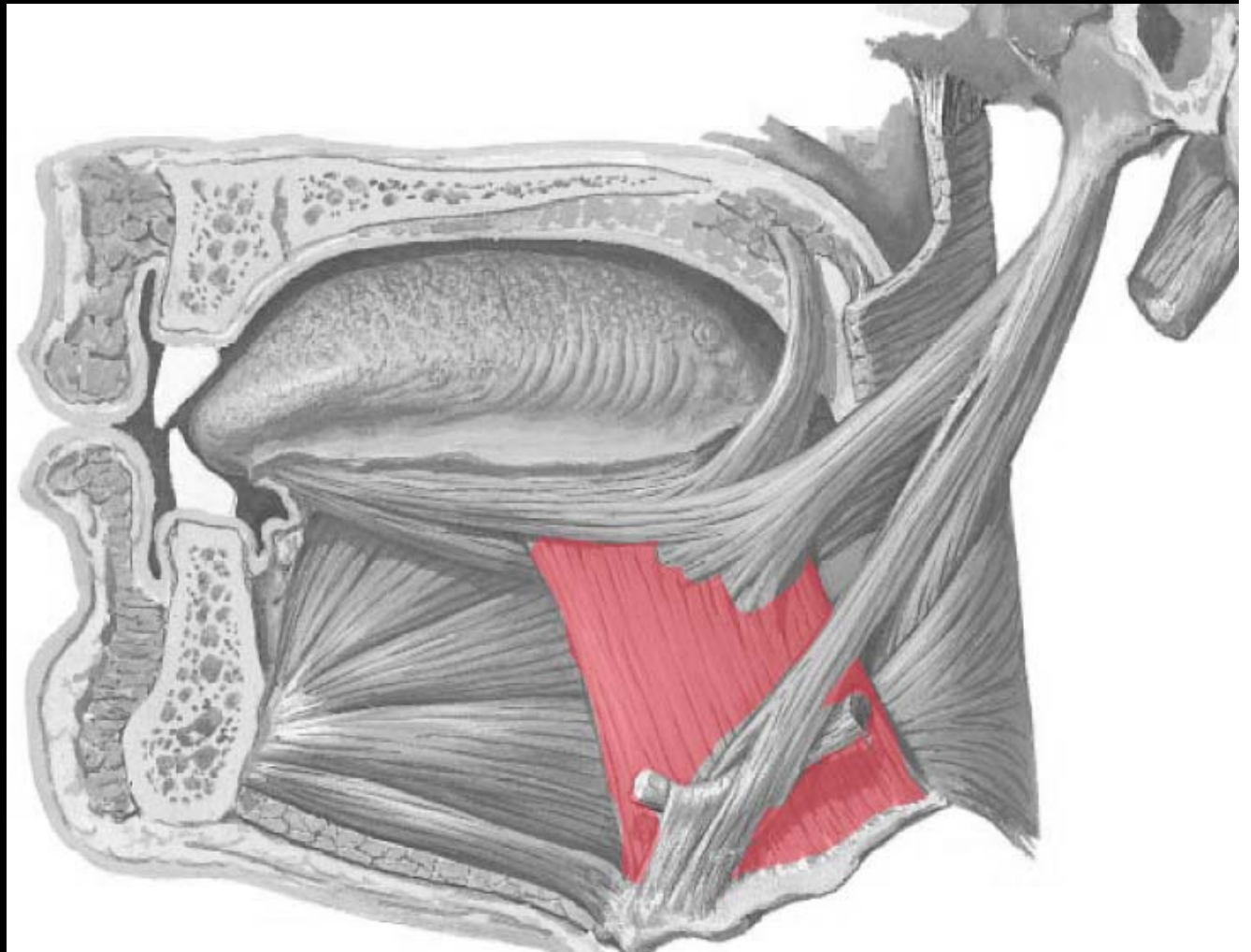
2) Tongue

ID the muscle and its innervation



2) Tongue

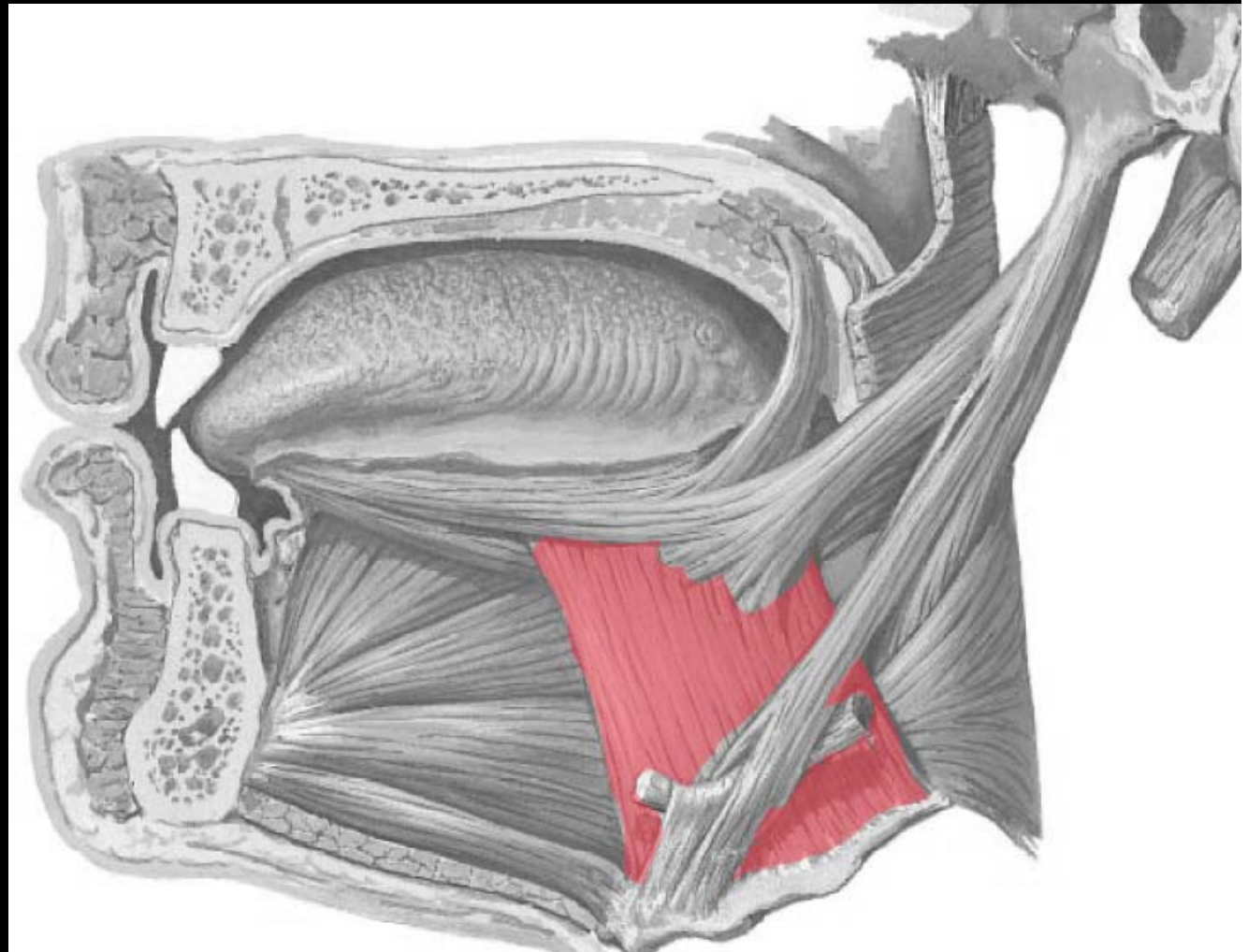
What would you name this muscle?



2) Tongue

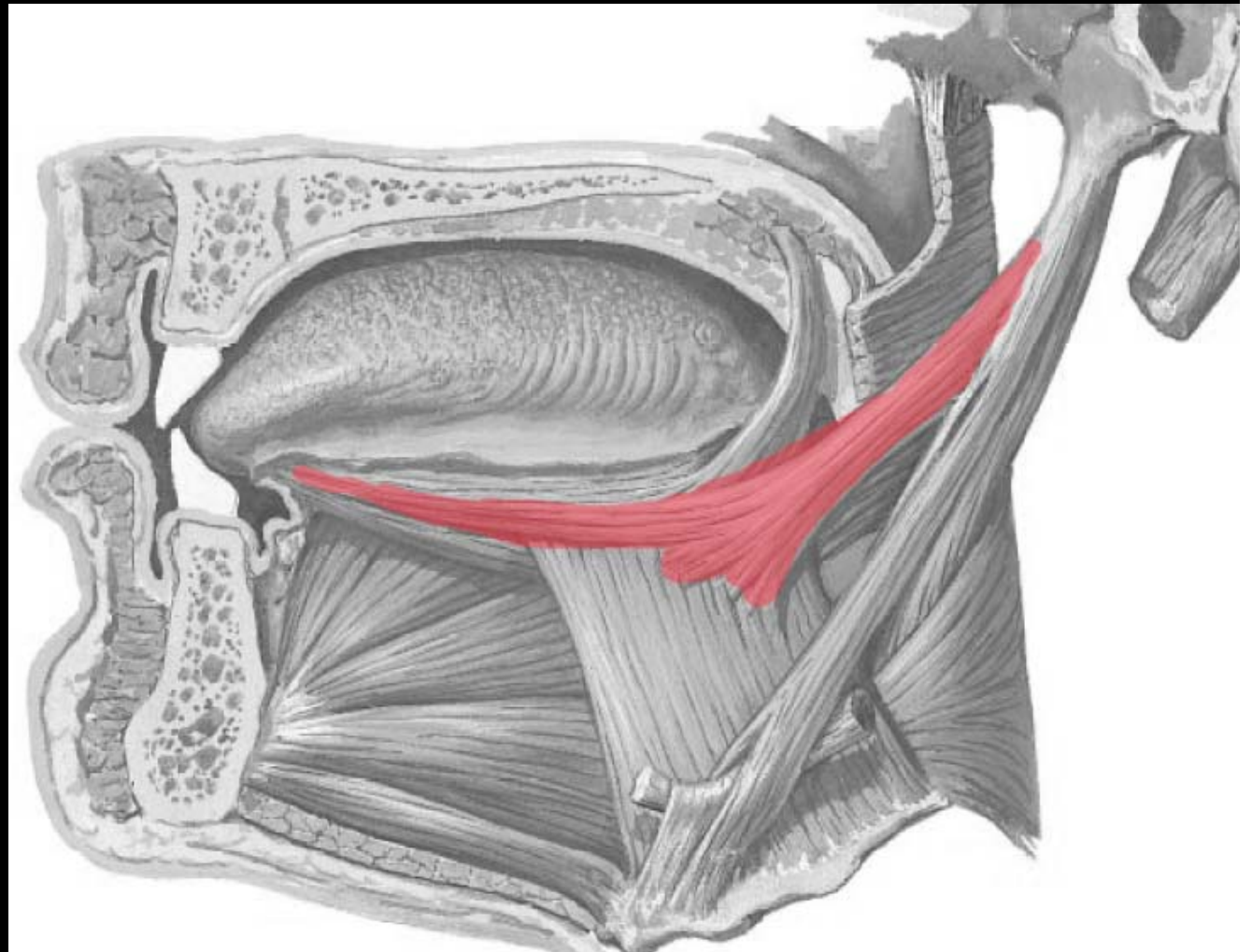
What would you name this muscle?

- Hyoglossus muscle (CN XII)



2) Tongue

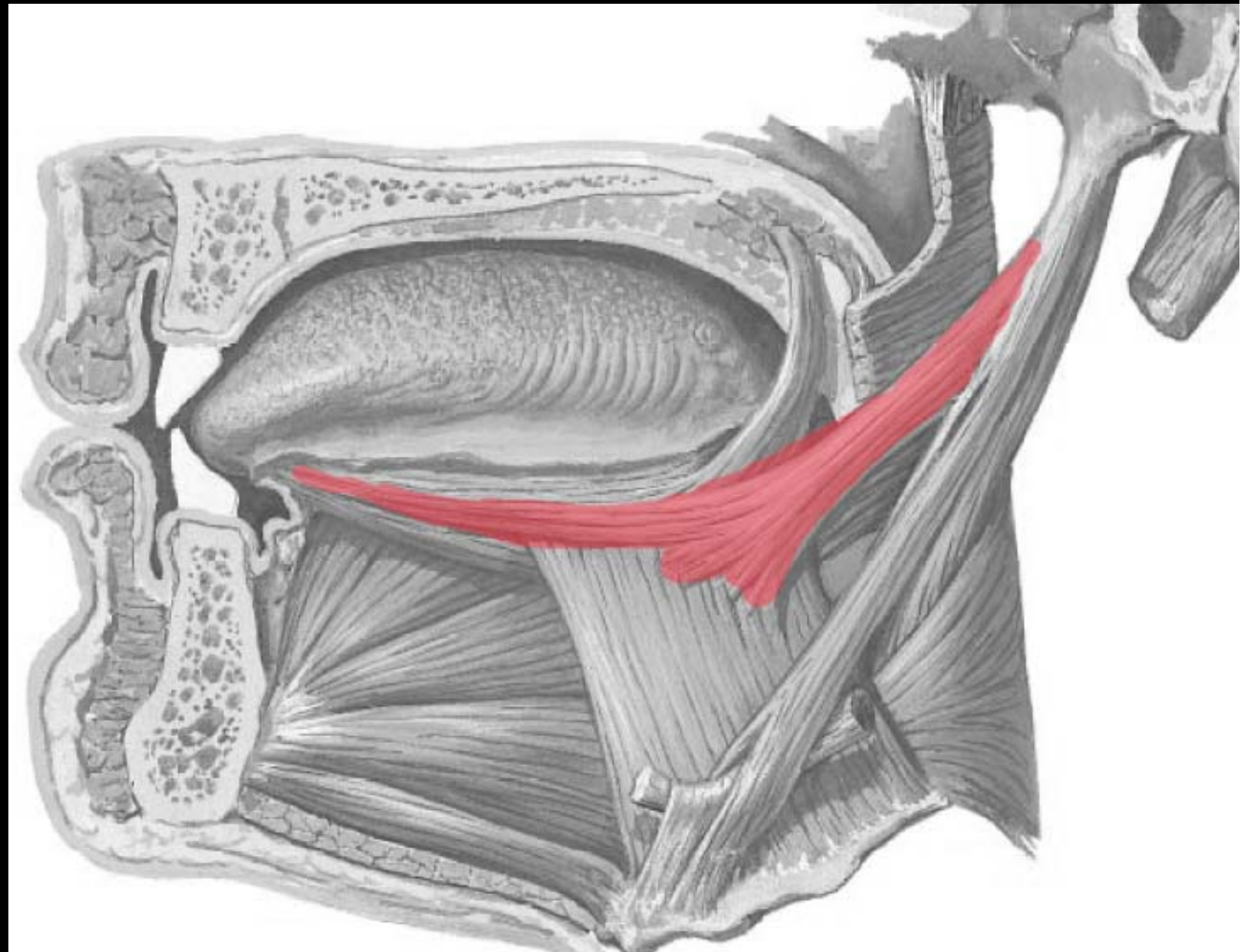
What would you name this muscle?



2) Tongue

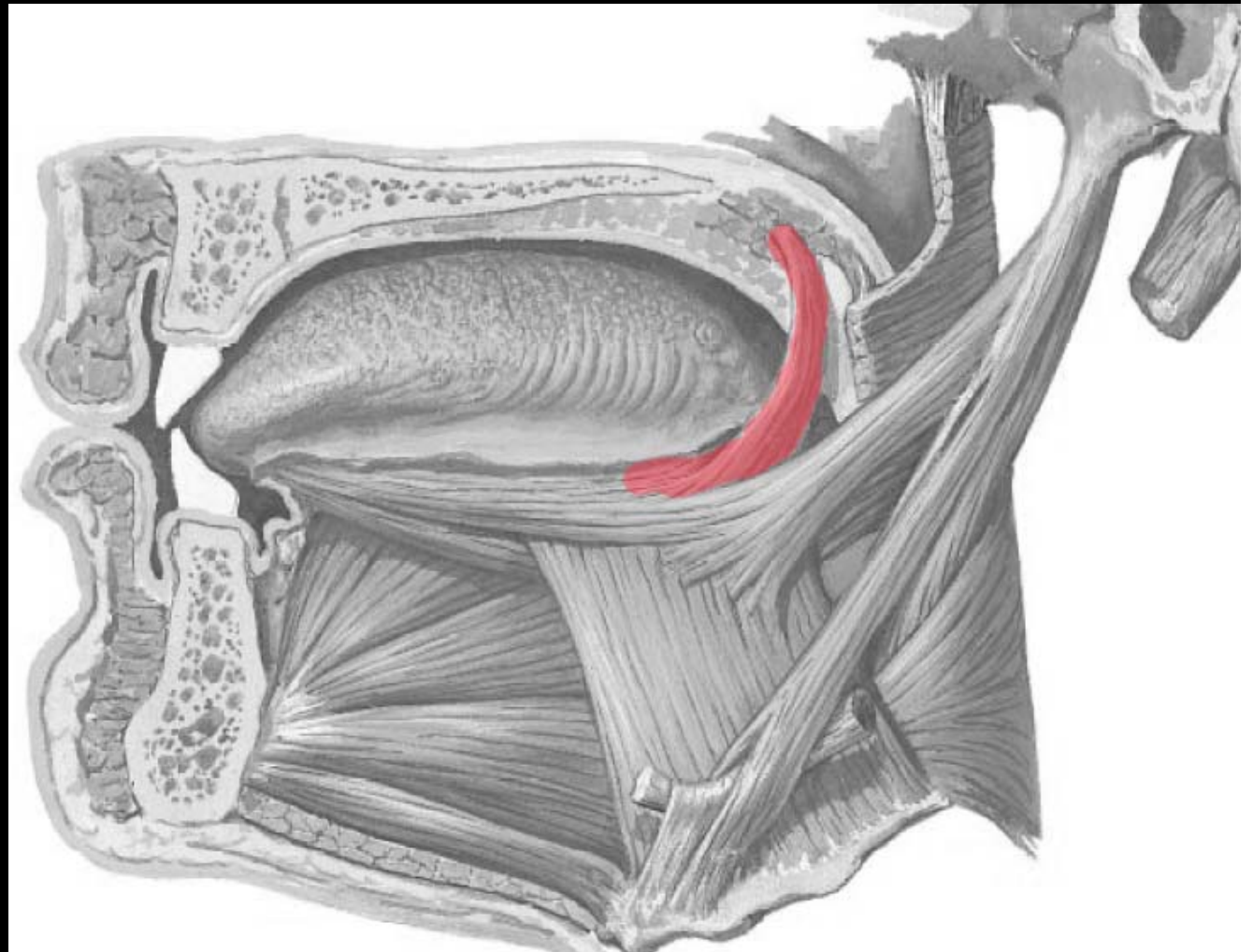
What would you name this muscle?

- Styloglossus muscle (CN XII)



2) Tongue

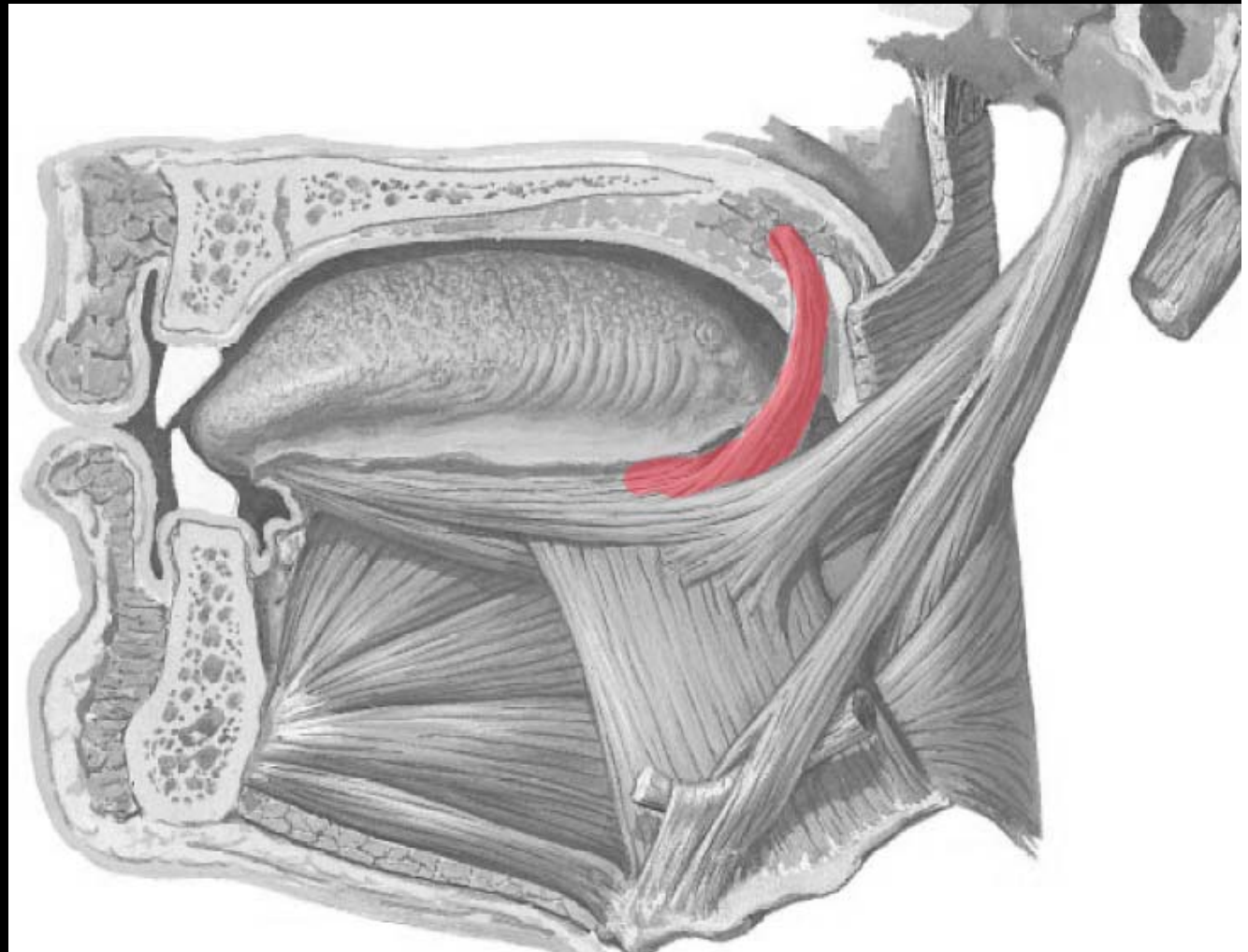
What would you name this muscle?



2) Tongue

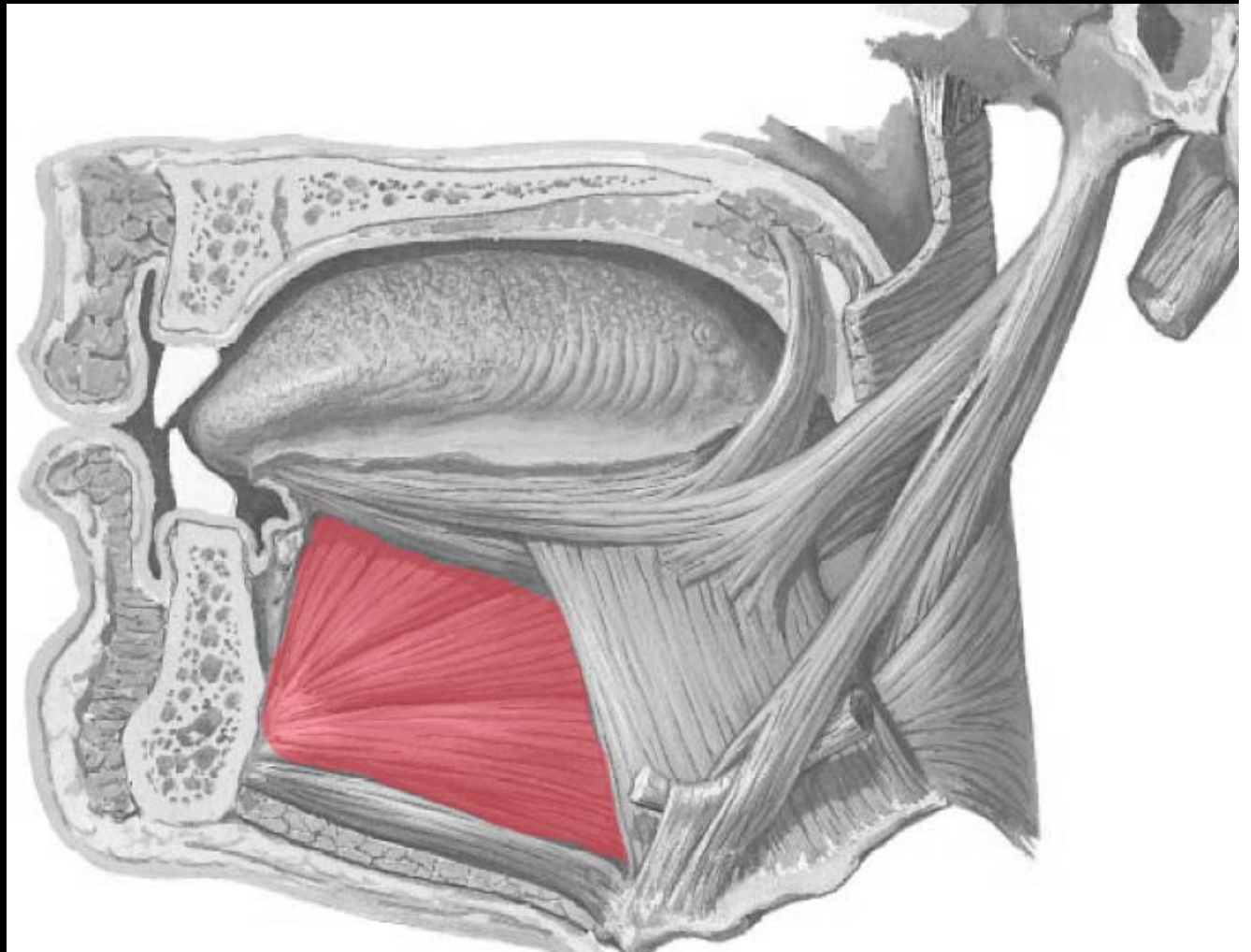
What would you name this muscle?

- Palatoglossus muscle (CN X)



2) Tongue

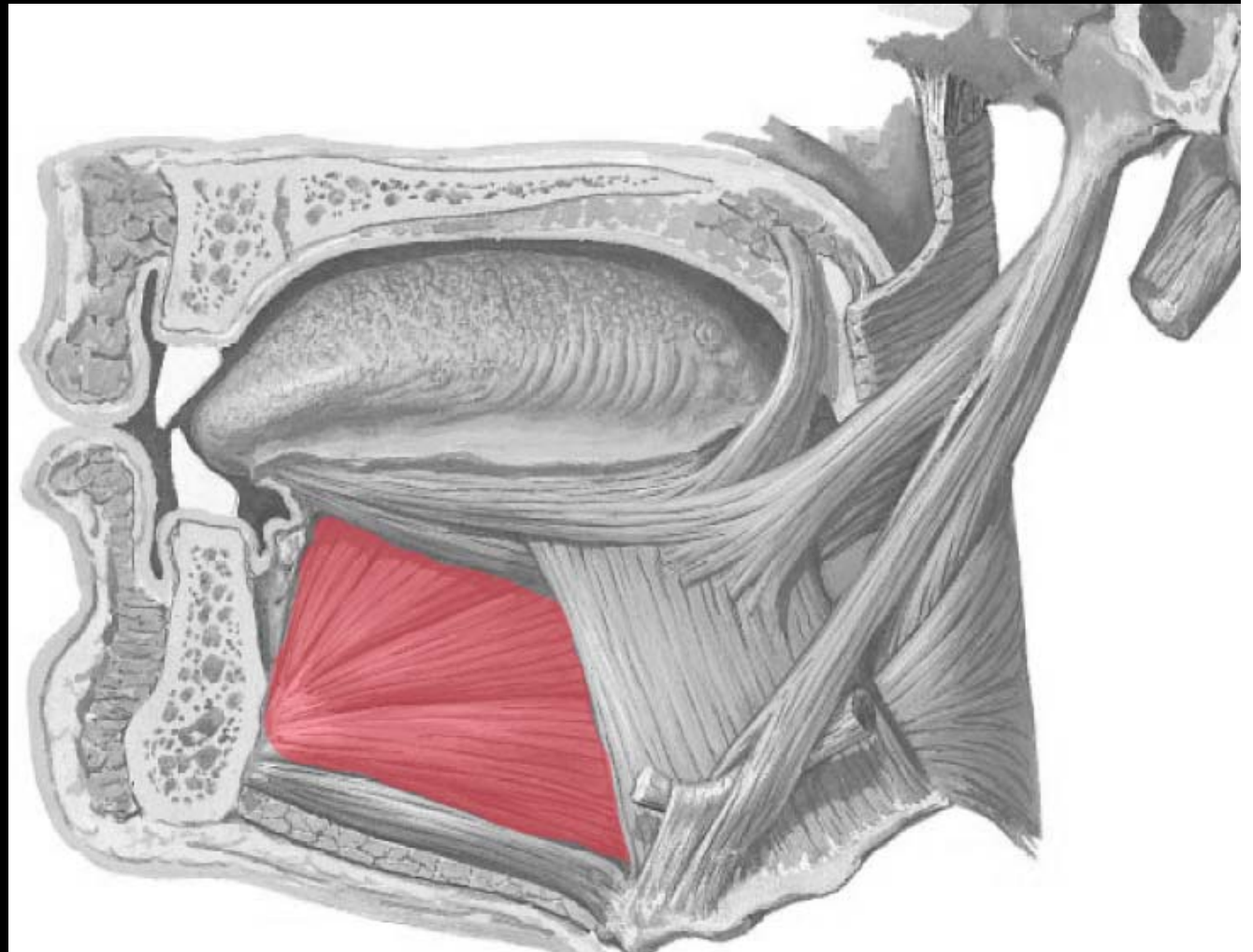
What would you name this muscle?



2) Tongue

What would you name this muscle?

- Genioglossus muscle (CN XII)



A lesion to which cranial nerve will result in the following symptoms observed in this patient?

- A. CN V-3**
- B. CN VII**
- C. CN IX**
- D. CN X**
- E. CN XI**
- F. CN XII**



A lesion to which cranial nerve will result in the following symptoms observed in this patient?

A. CN V-3

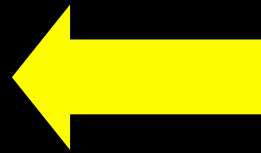
B. CN VII

C. CN IX

D. CN X

E. CN XI

F. CN XII



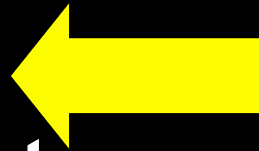
Is it a lesion of the left or right hypoglossal nerve?

- A. Left**
- B. Right**

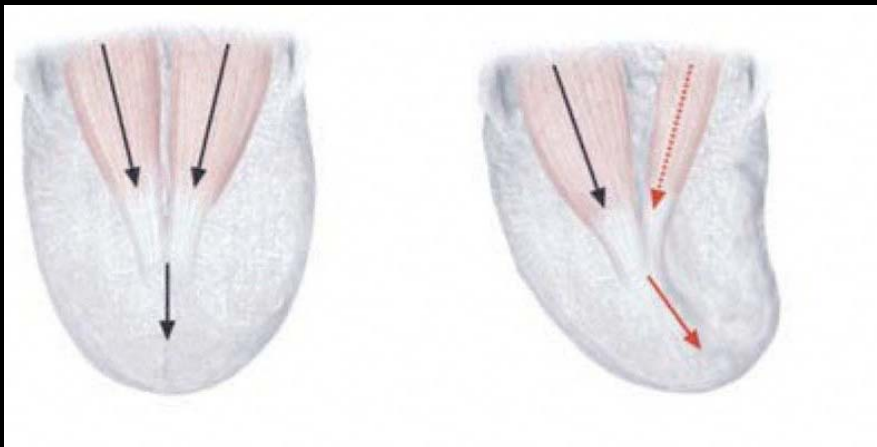


Is it a lesion of the left or right hypoglossal nerve?

A. Left

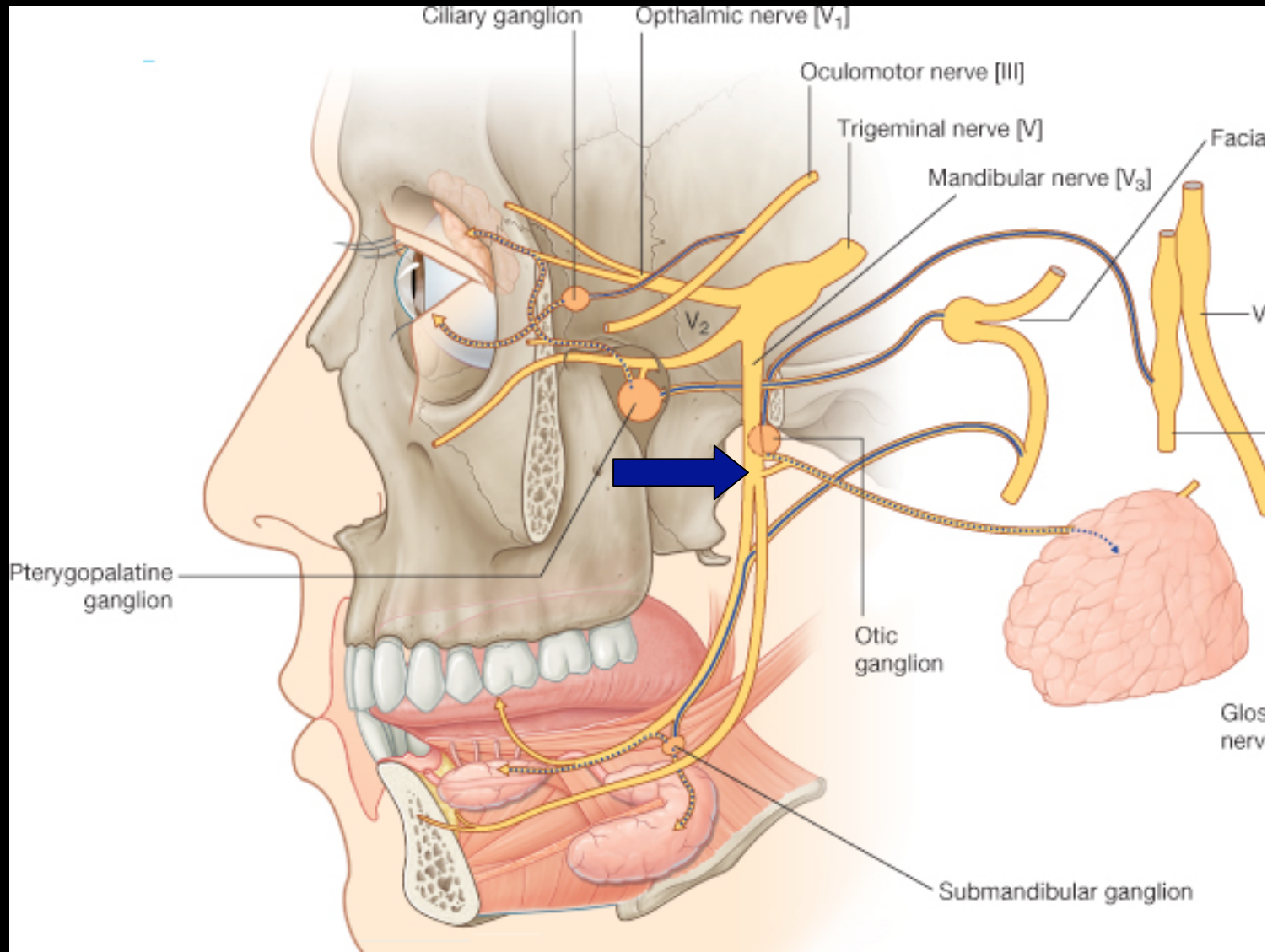


B. Right



“Lick your wounds”

Describe the results of a lesion shown by the arrow.
(taste, general sensation, tongue movement, face movement, face sensation, palatal sensation, salivation, eye movements)



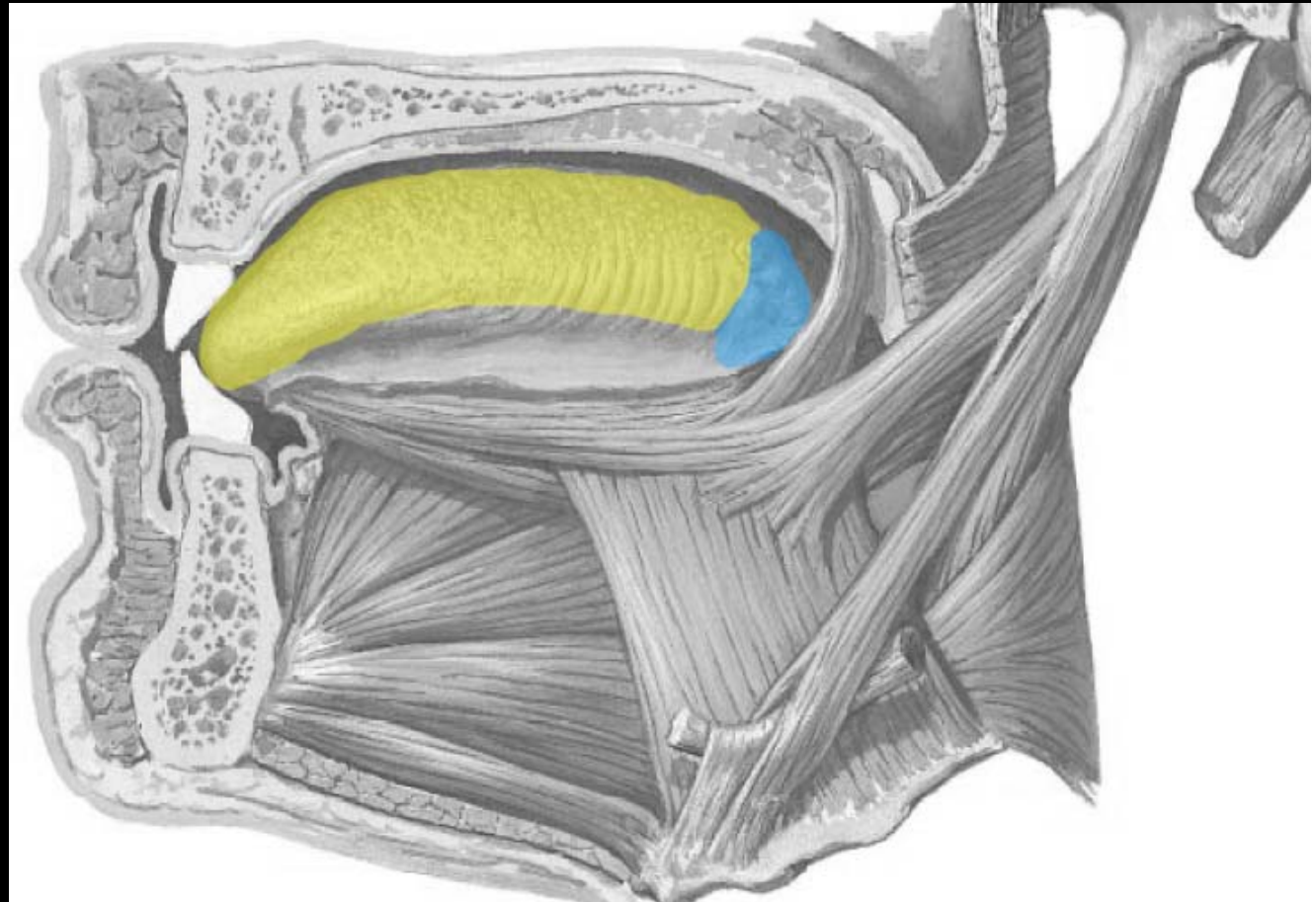
2) Tongue - Innervation

Anterior tongue

- GS
- SS

Posterior tongue

- GS
- SS



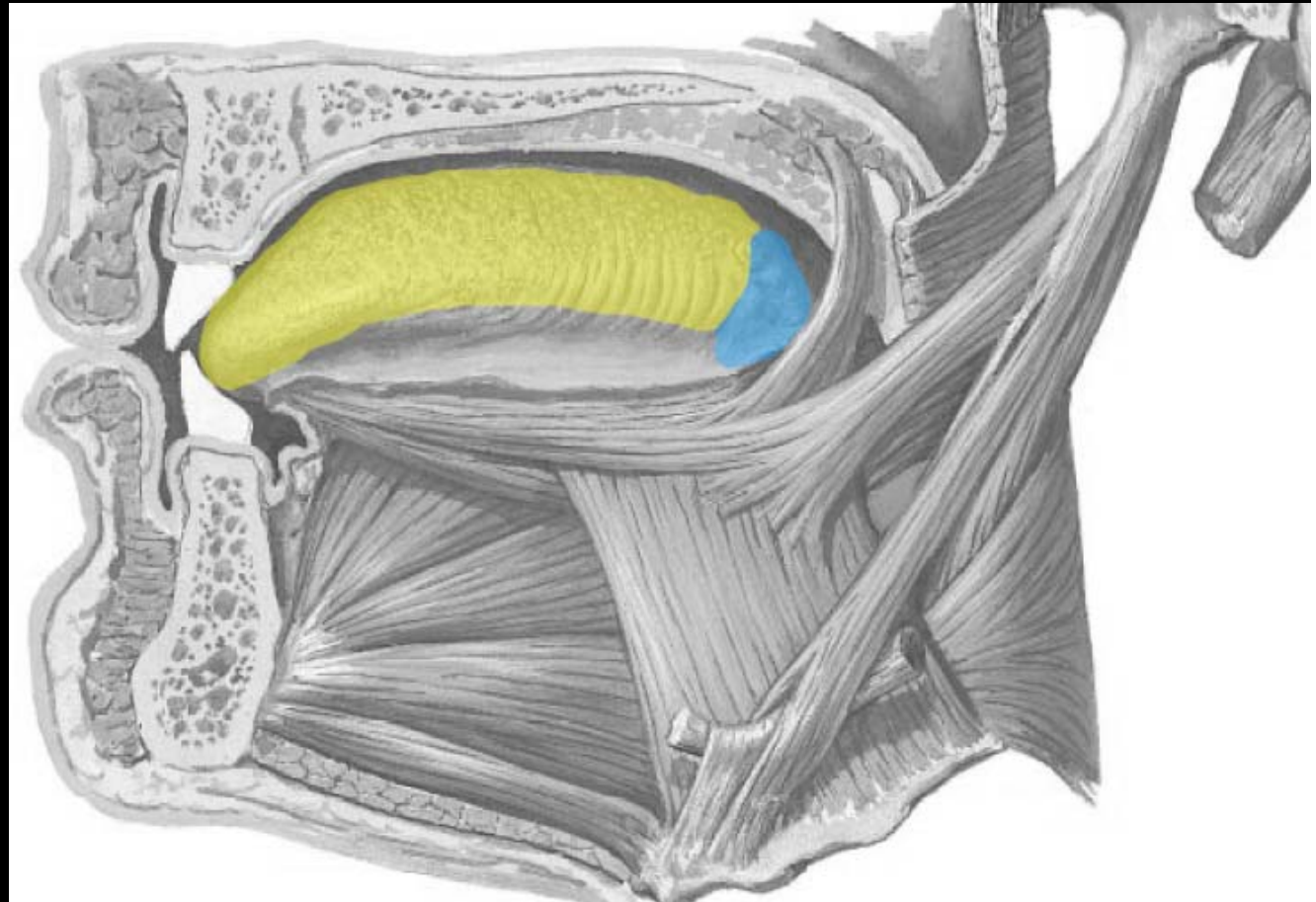
2) Tongue - Innervation

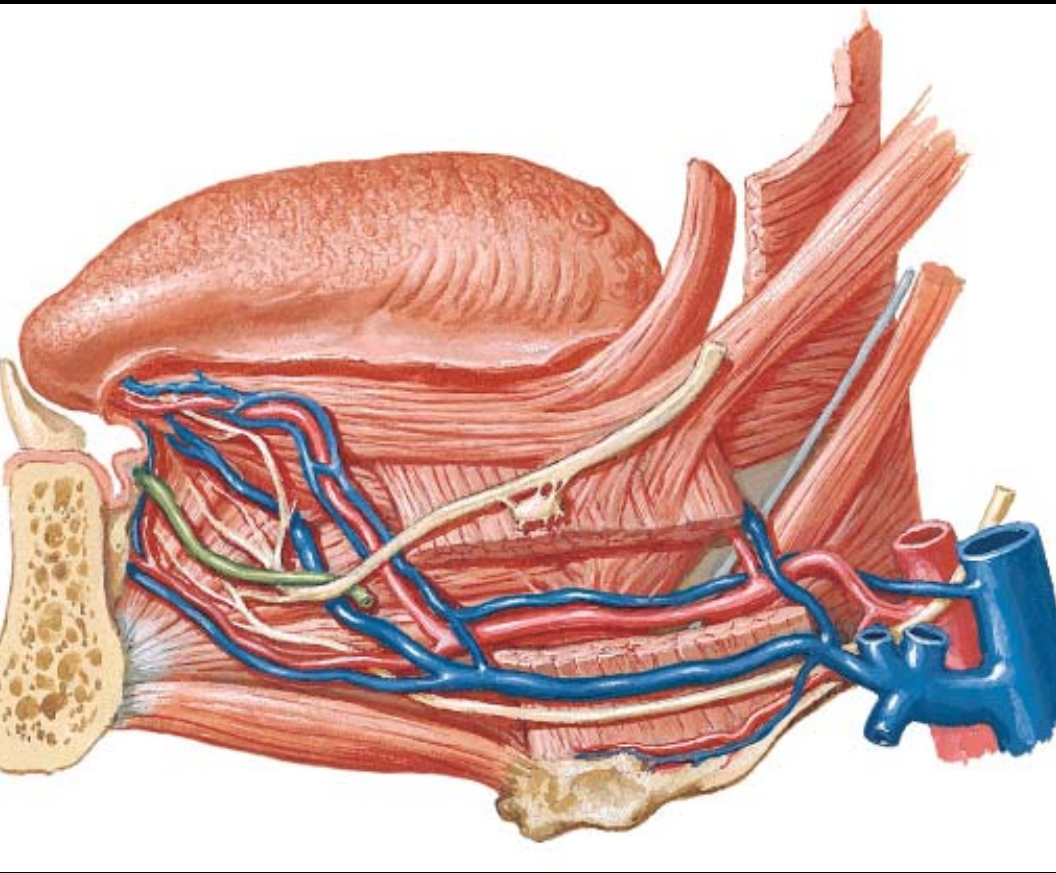
Anterior tongue

- GS - CN V-3 (lingual)
- SS - CN VII (chorda tympani)

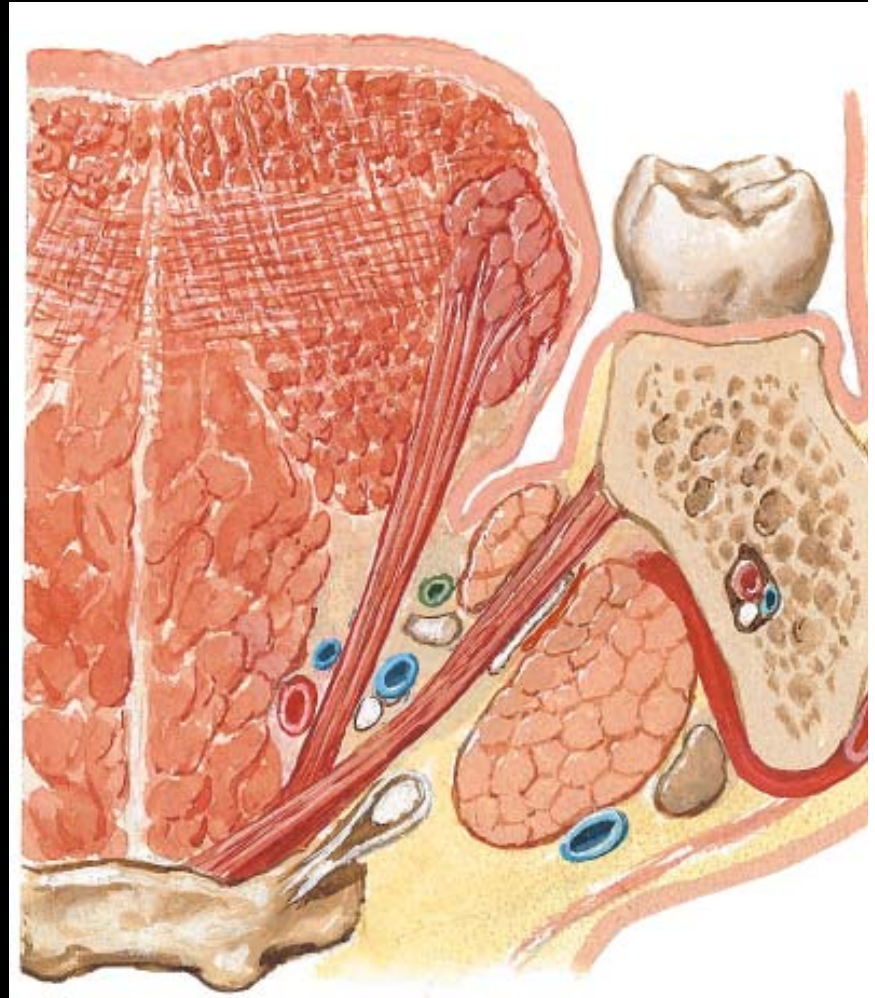
Posterior tongue

- GS - CN IX
- SS - CN IX

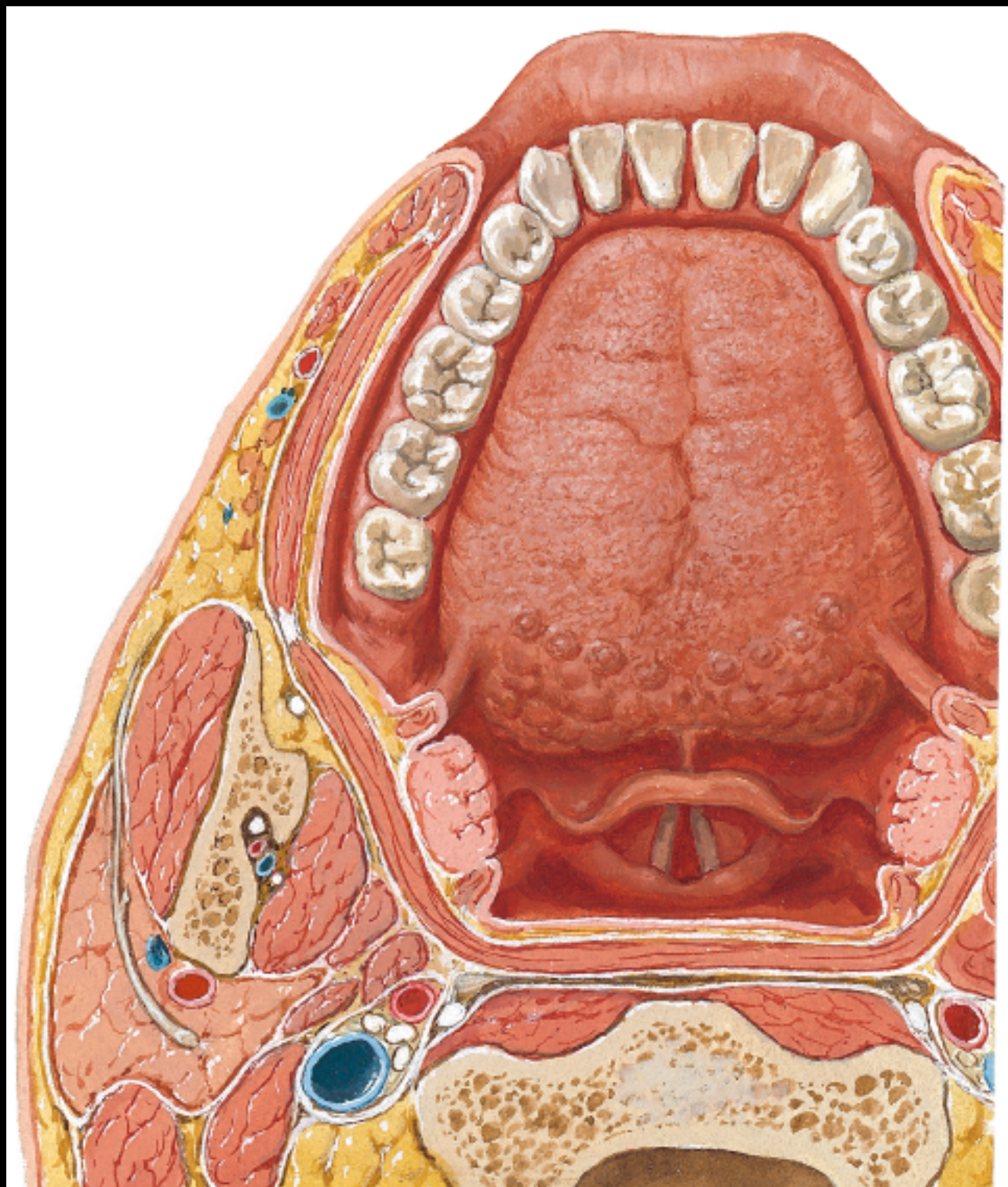




Lateral view



Coronal Section;
Anterior view

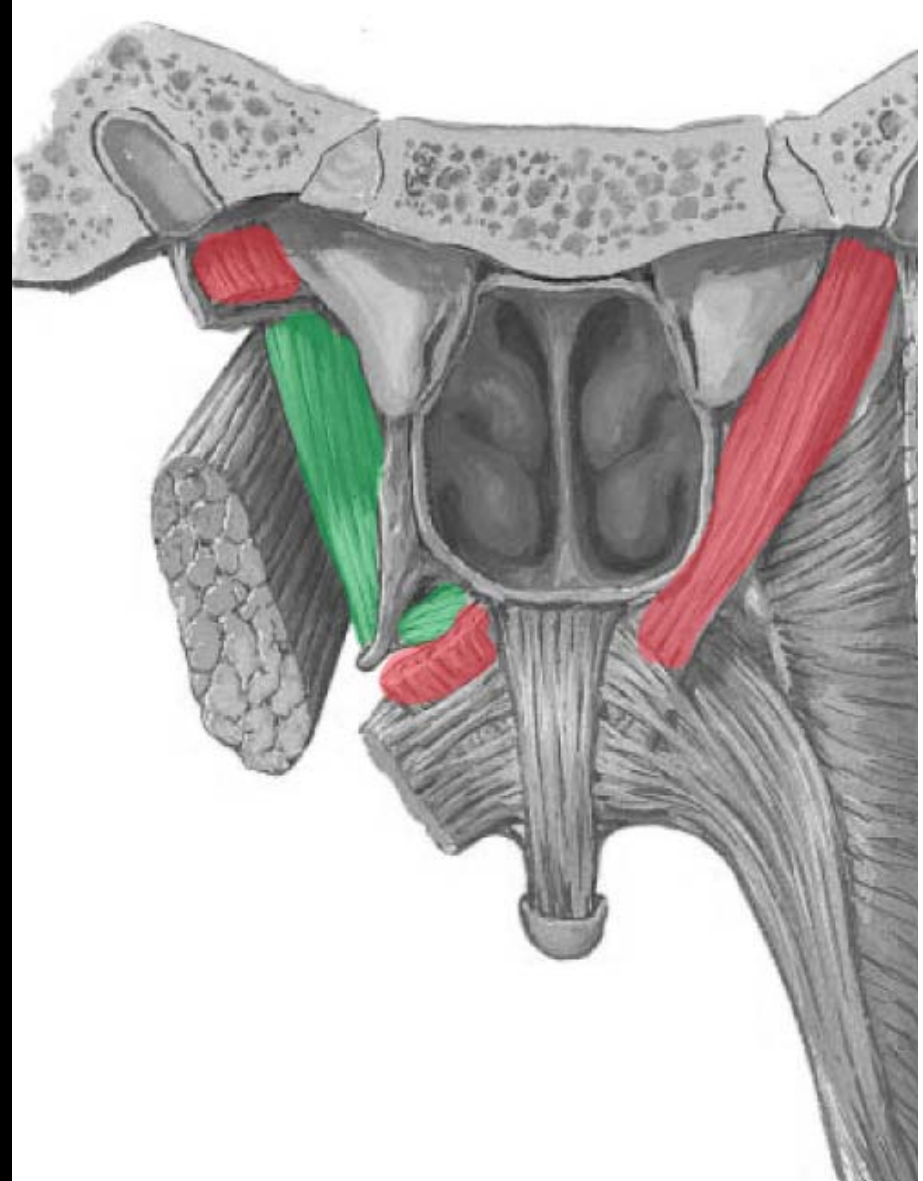


Horizontal Section;
Superior view

Palate

Tensor veli palatini m.

Levator veli palatini m.



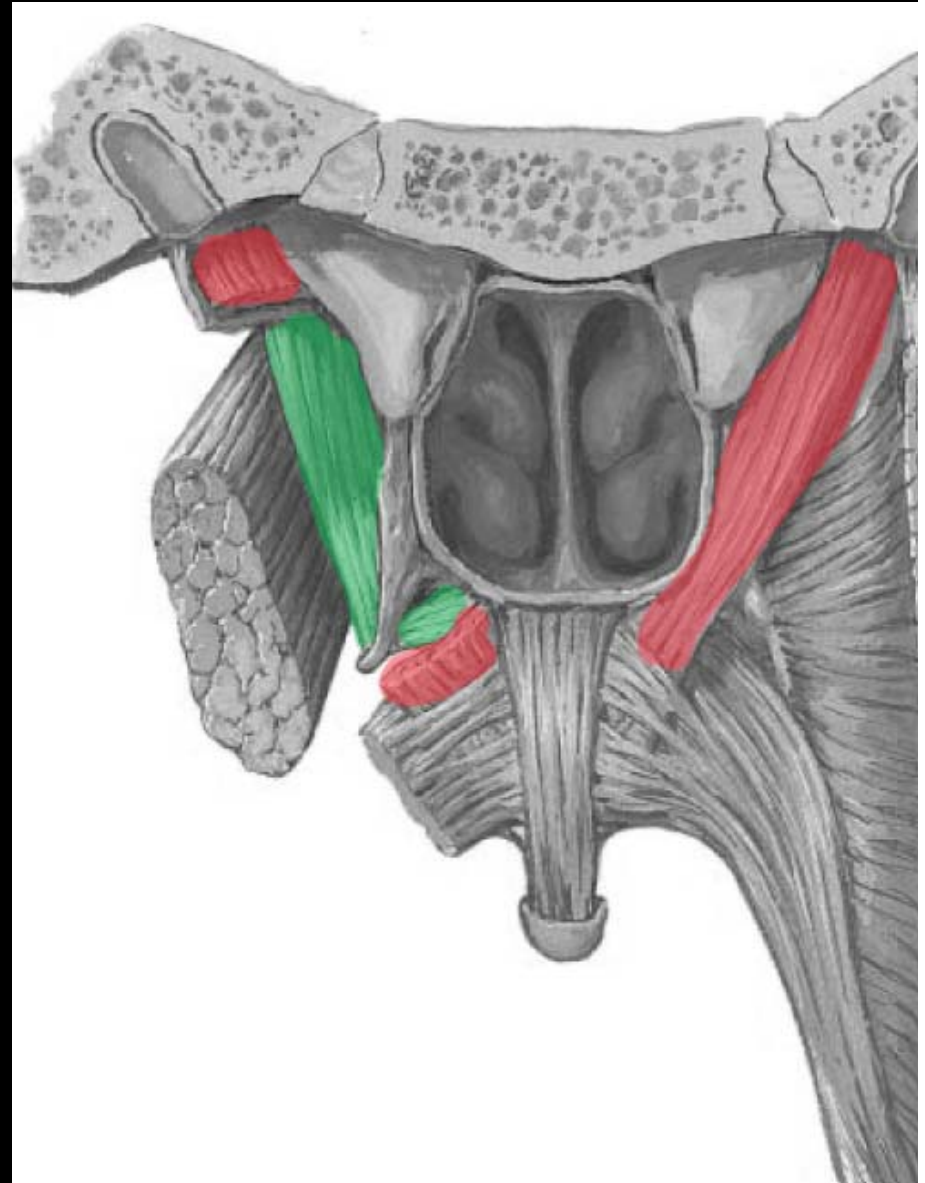
Palate

Tensor veli palatini m.

(CN V-3)

Levator veli palatini m.

(CN X)



A lesion to which cranial nerve will result in the following symptoms observed in this patient?

- A. Left CN V-3**
- B. Left CN IX**
- C. Left CN X**
- D. Right CN V-3**
- E. Right CN IX**
- F. Right CN X**

A lesion to which cranial nerve will result in the following symptoms observed in this patient?

A. Left CN V-3

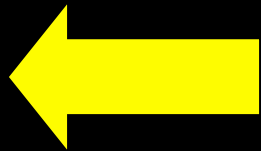
B. Left CN IX

C. Left CN X

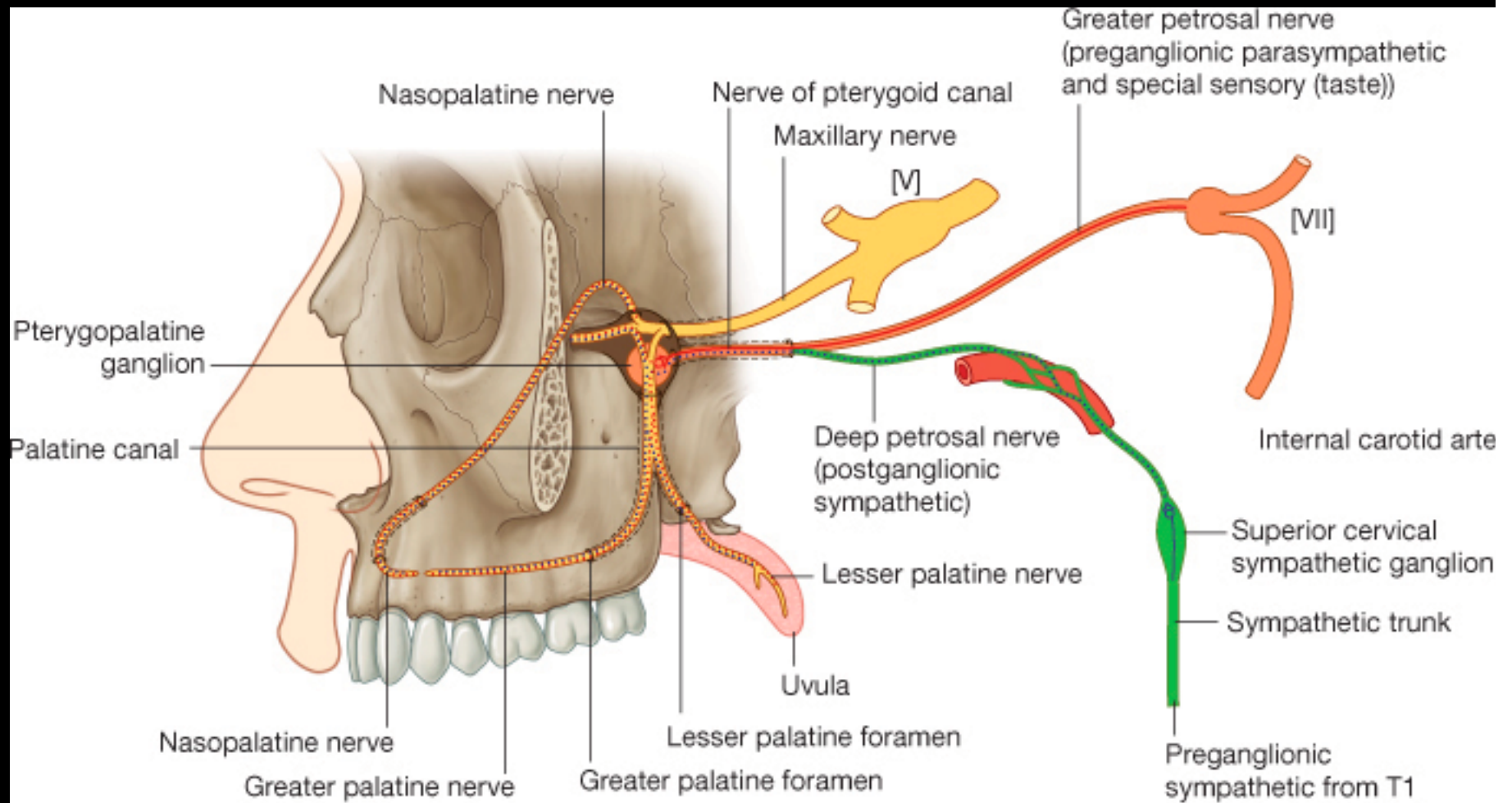
D. Right CN V-3

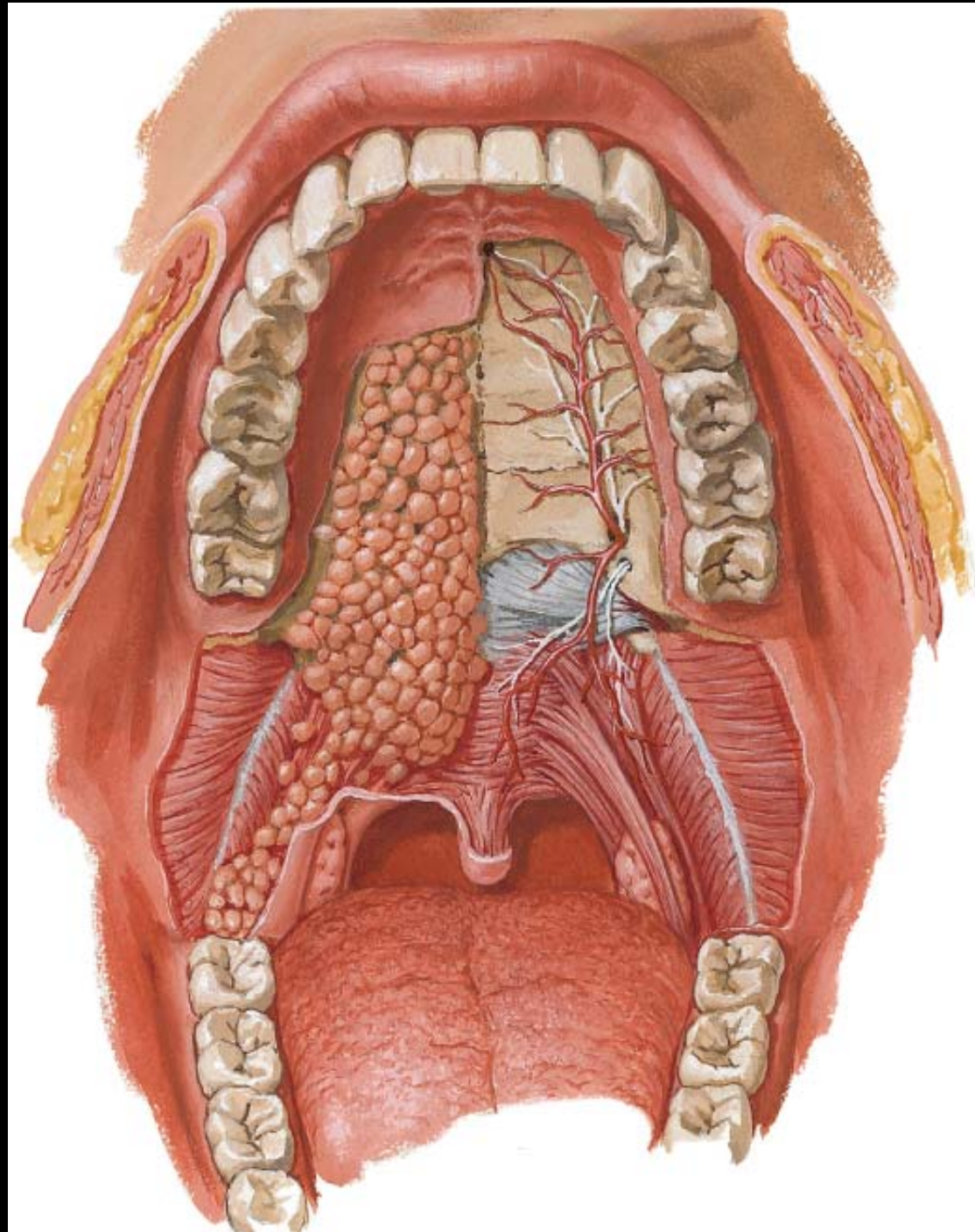
E. Right CN IX

F. Right CN X



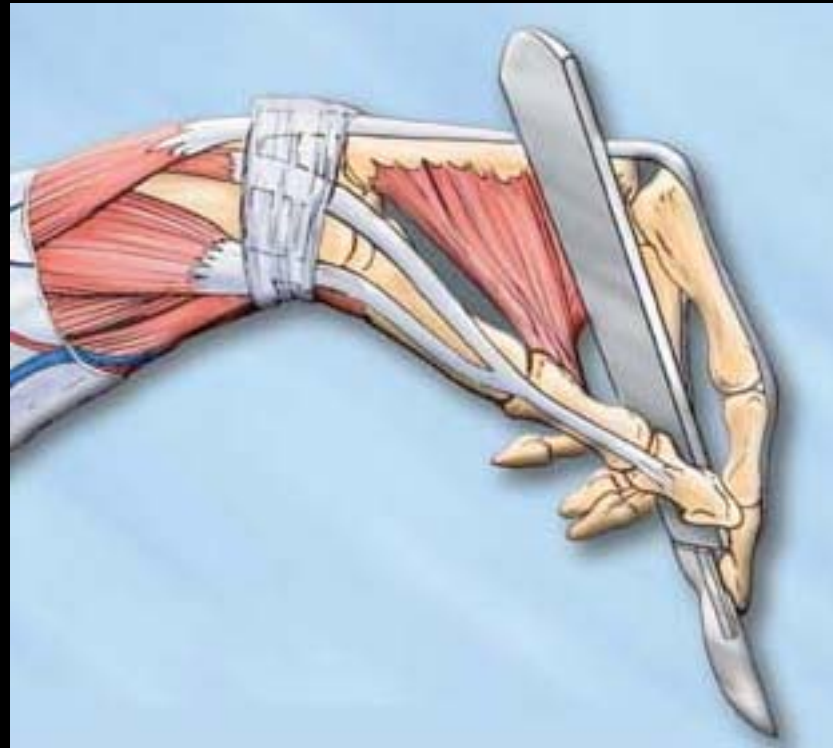
Palate





Netter Plate 48A

Anterior view: Hard and Soft Palate



THANK-YOU