G21A: Oral Cavity
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
2) Tongue

ID the bony 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
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
Netter Plate 48A
Anterior view: Hard and Soft Palates
THANK-YOU