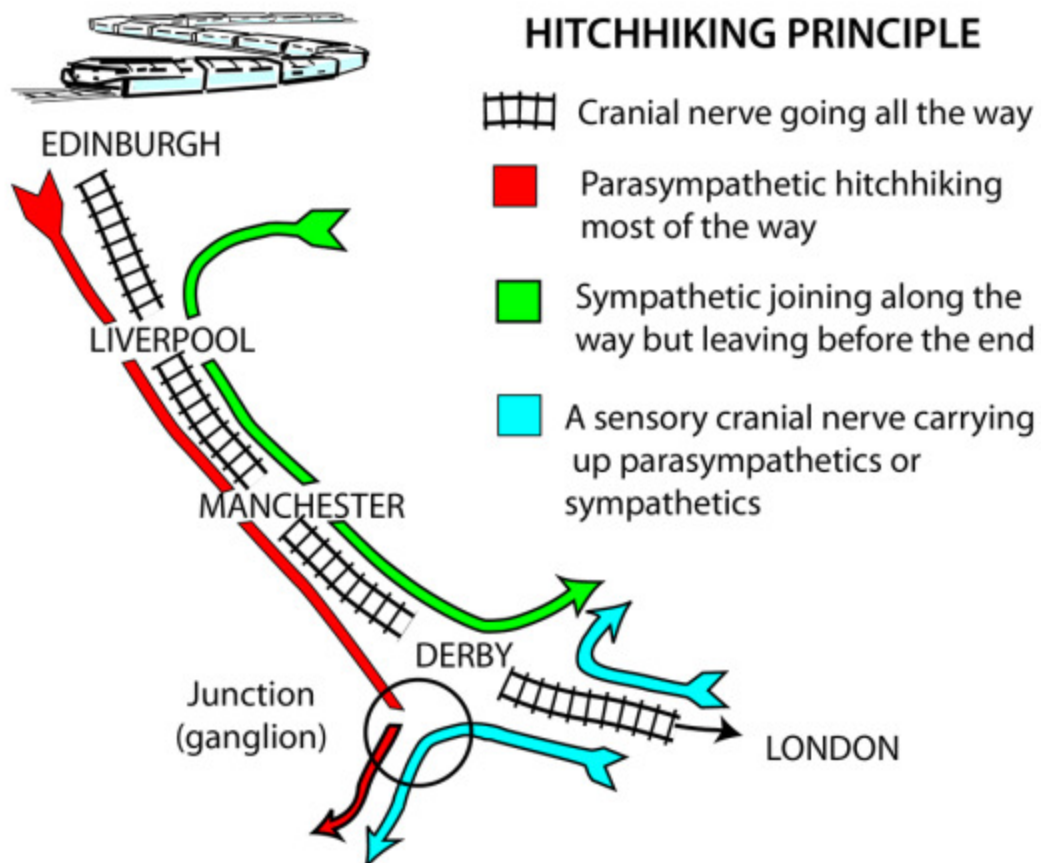
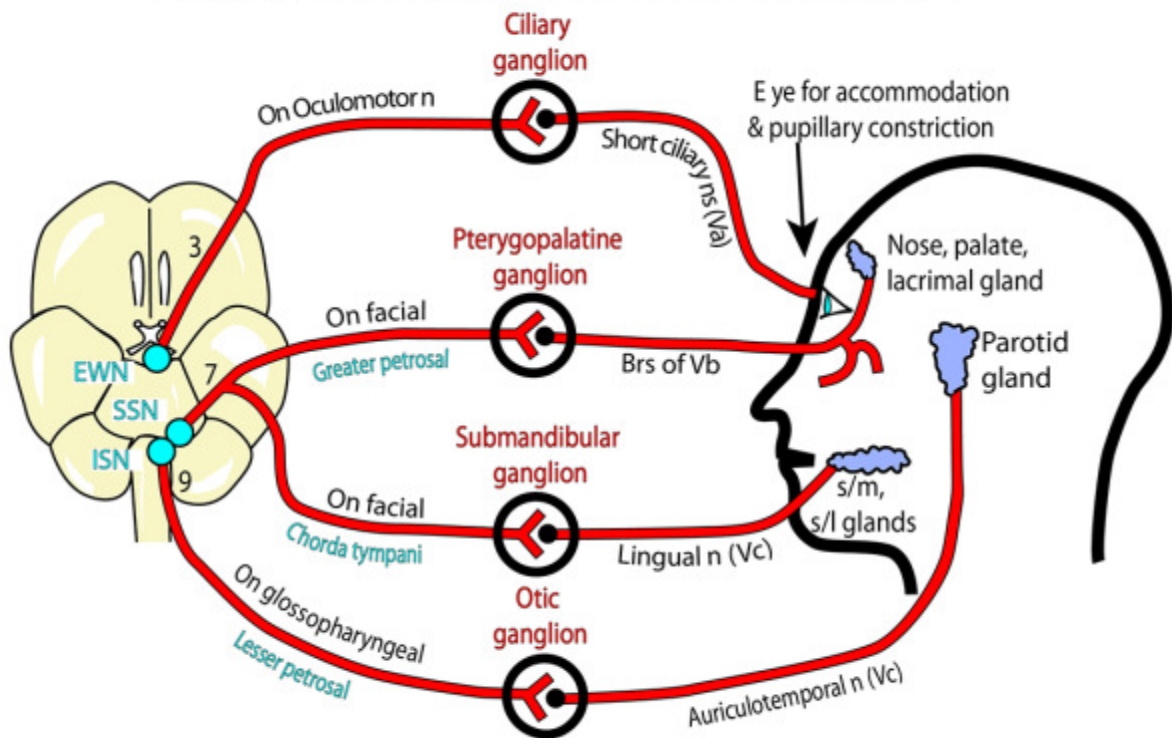


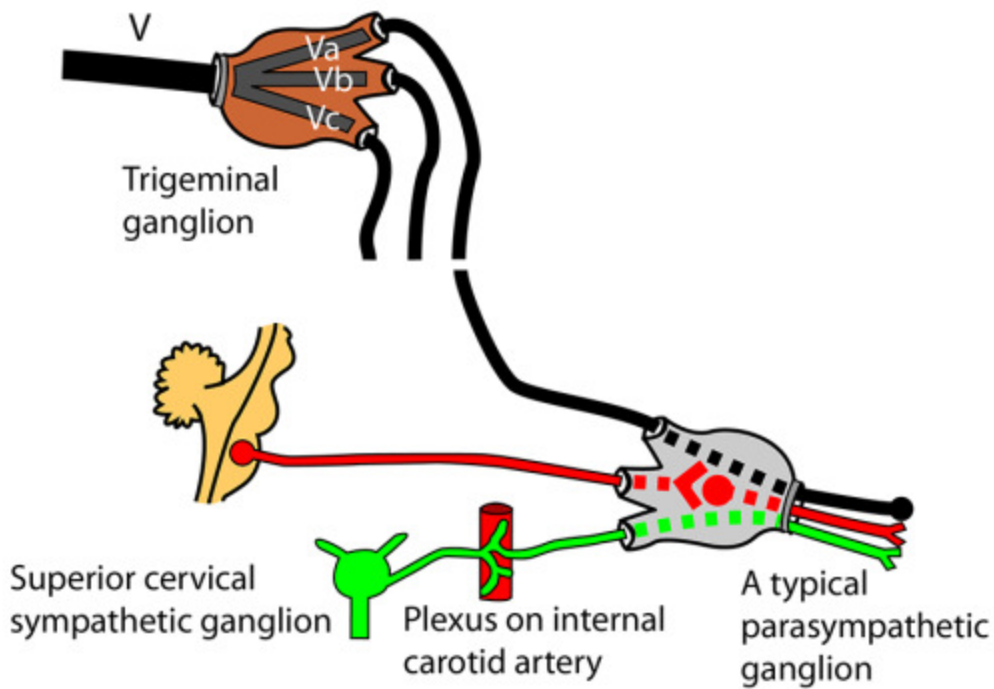
# Role of the cranial nerves in the autonomic distribution in the head



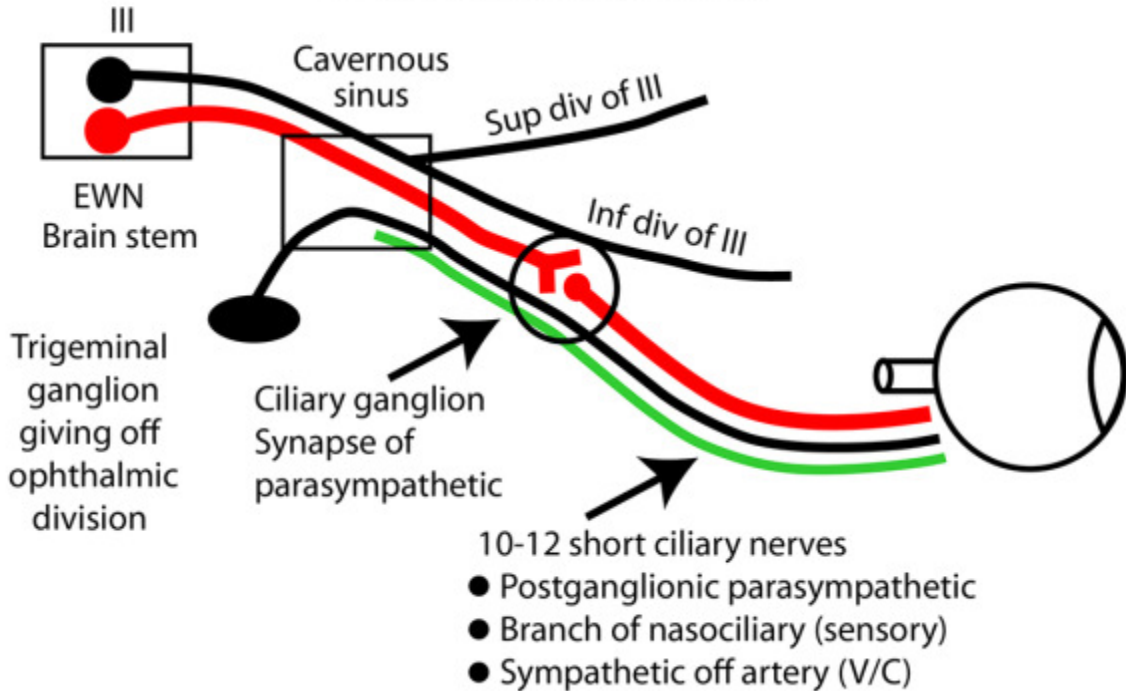
## PARASYMPATHETIC CONNECTIONS IN HEAD



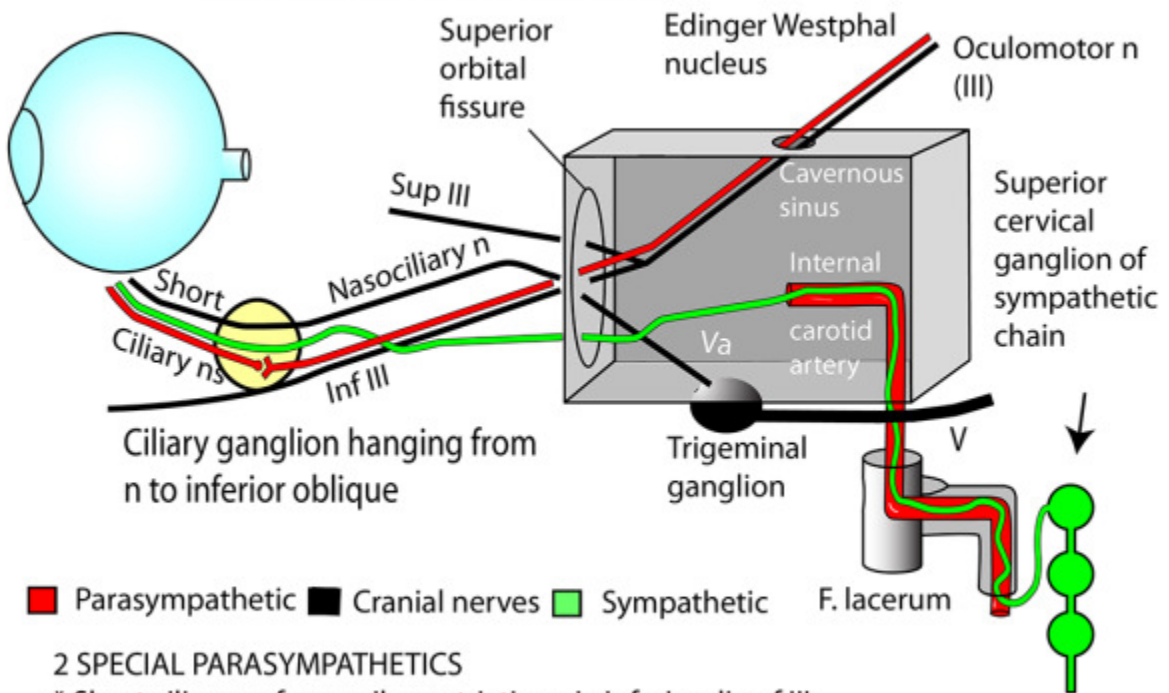
## PATTERN OF PARASYMPATHETICS IN HEAD



## PARASYMPATHETIC PATHWAY FOR PUPILLARY CONSTRICTION AND ACCOMMODATION



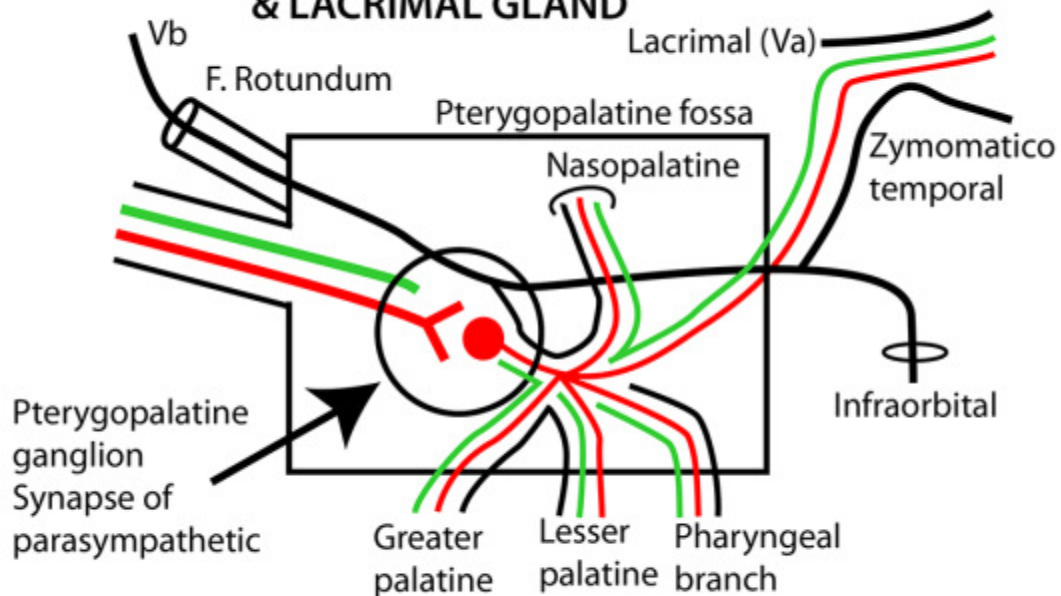
## PARASYMPATHETICS TO EYE



### 2 SPECIAL PARASYMPATHETICS

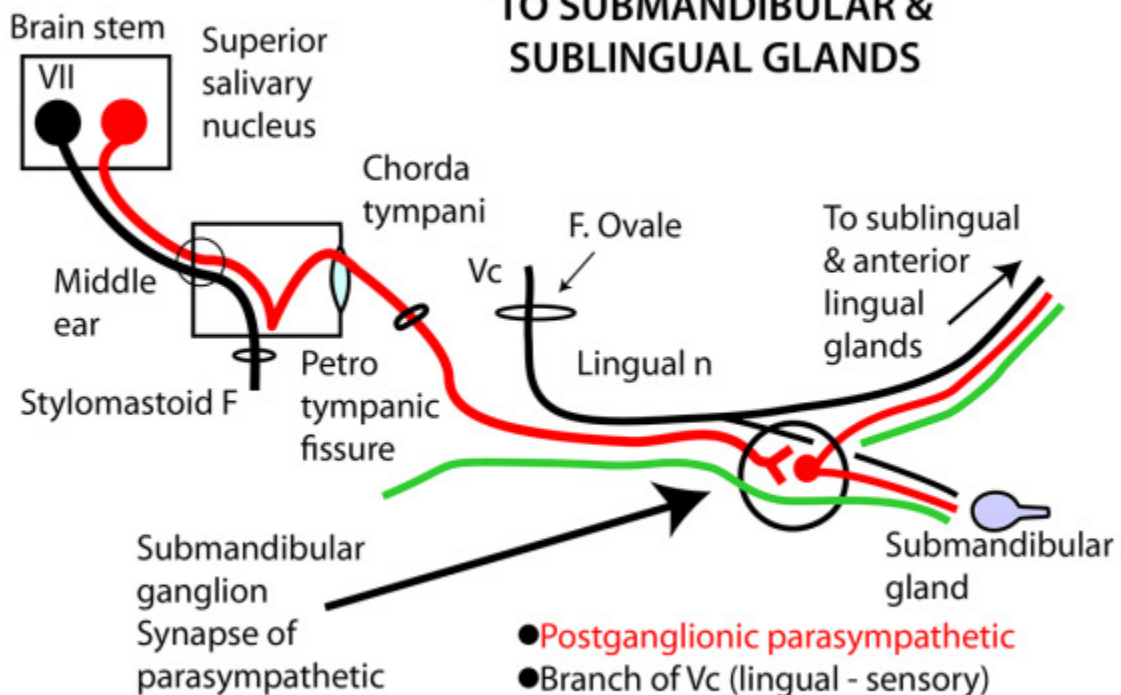
- \* Short ciliary ns for pupil constriction via inferior div of III
- \* Short ciliary ns for accommodation via inferior div of III

## PARASYMPATHETIC PATHWAY TO NOSE, SINUSES, ETC & LACRIMAL GLAND



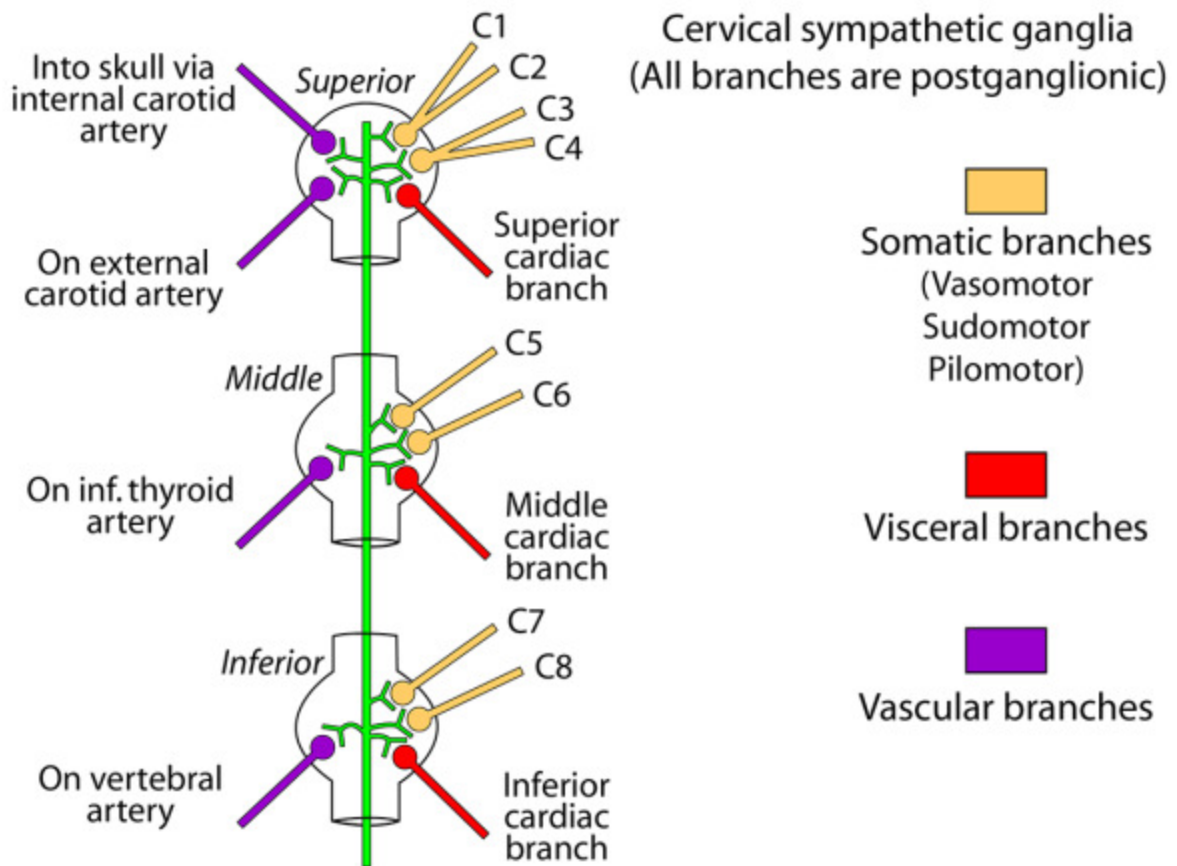
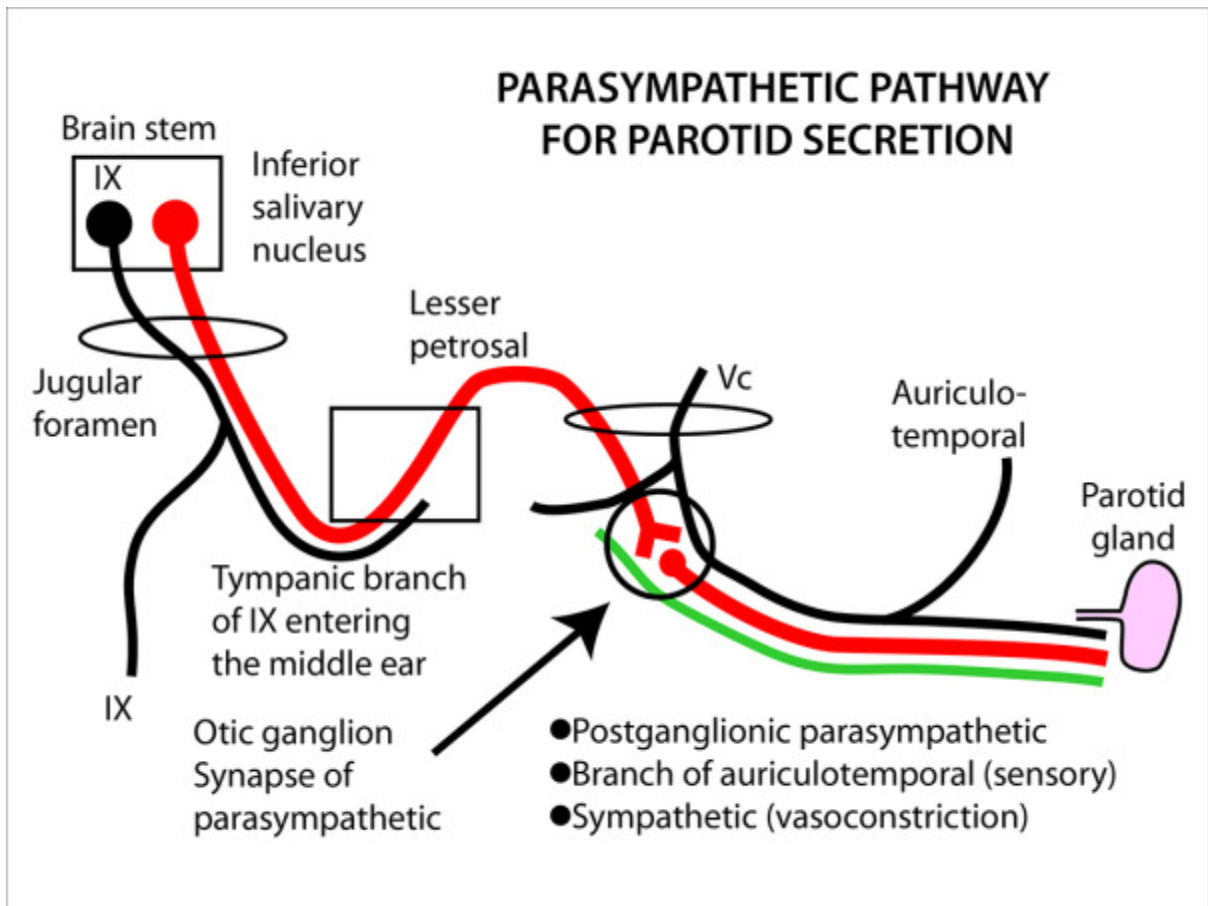
● **Postganglionic parasympathetic** Branch of Vb (maxillary - sensory)  
 ● **Sympathetics (vasoconstriction)**

## PARASYMPATHETIC PATHWAY TO SUBMANDIBULAR & SUBLINGUAL GLANDS

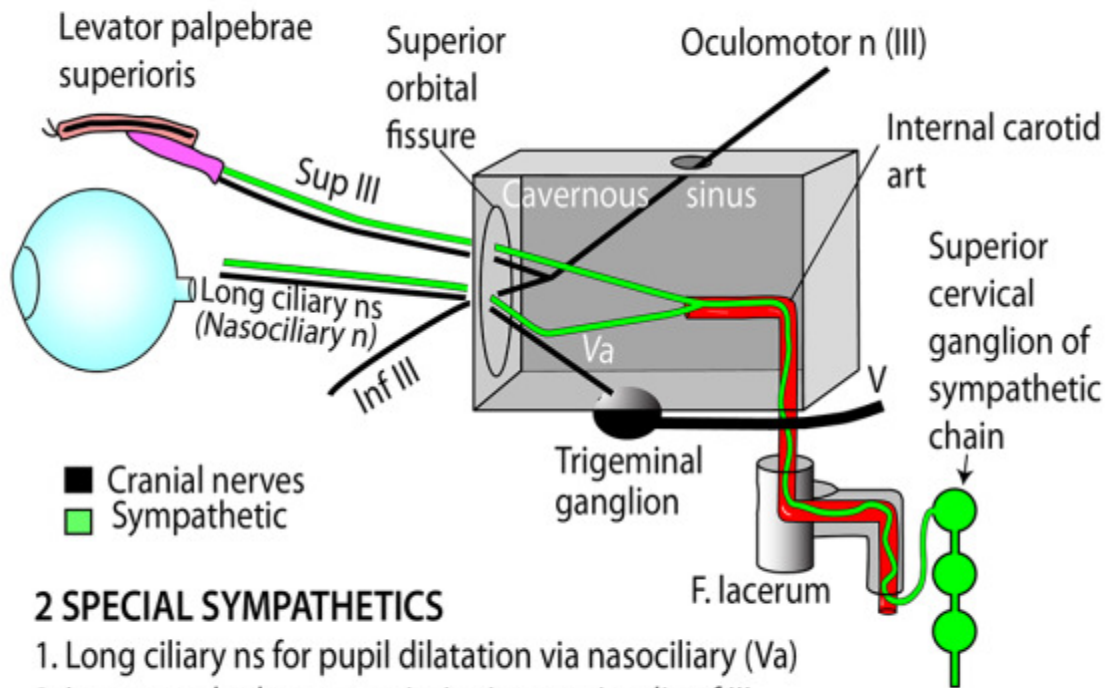


● **Postganglionic parasympathetic**  
 ● **Branch of Vc (lingual - sensory)**  
 ● **Sympathetics (vasoconstriction)**





## SYMPATHETICS TO EYE



## INVOLVEMENT OF CRANIAL NERVES IN AUTONOMIC DISTRIBUTION

## INVOLVEMENT OF CRANIAL NERVES IN AUTONOMIC DISTRIBUTION

3

5

7

9

## INVOLVEMENT OF CRANIAL NERVES IN AUTONOMIC DISTRIBUTION

3

Hitchhikes sympathetic to levator palpebrae superioris

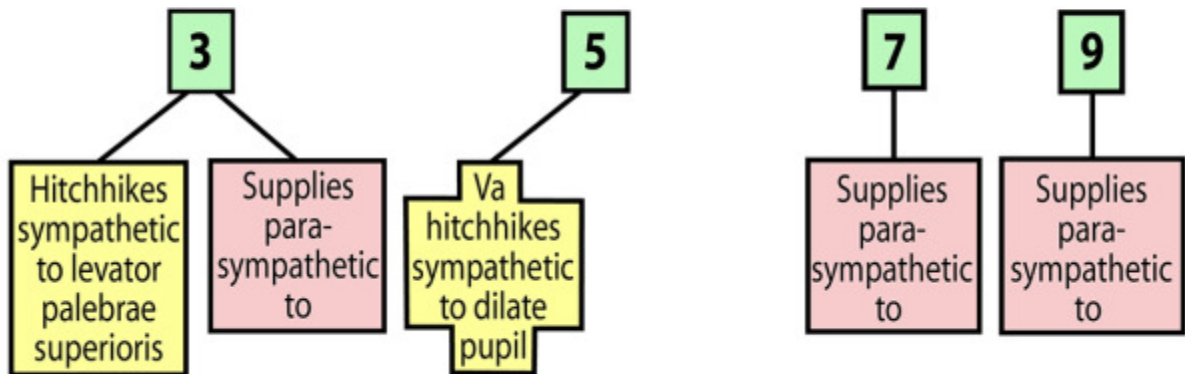
5

Va hitchhikes sympathetic to dilate pupil

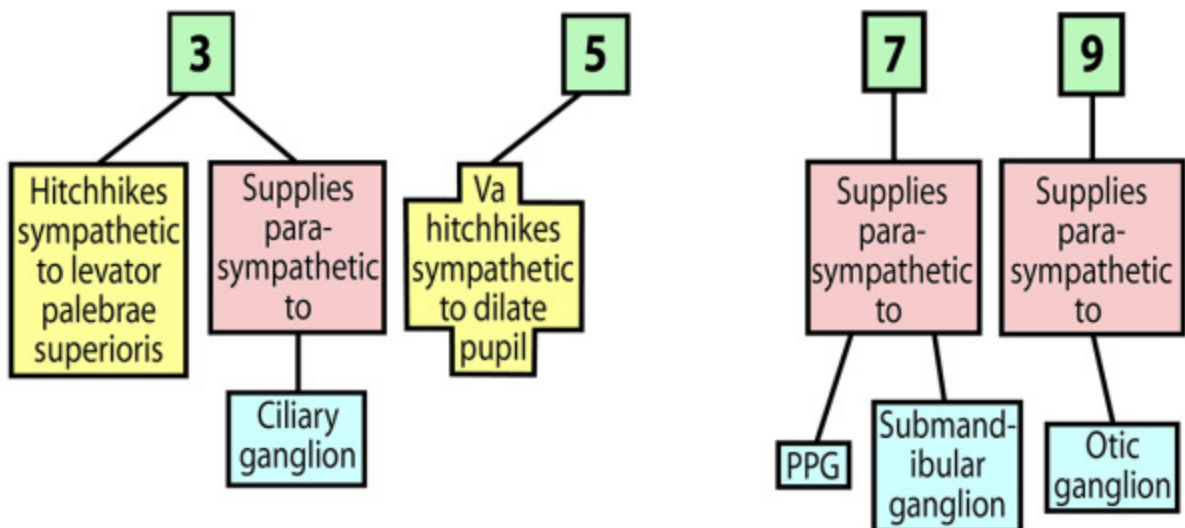
7

9

## INVOLVEMENT OF CRANIAL NERVES IN AUTONOMIC DISTRIBUTION

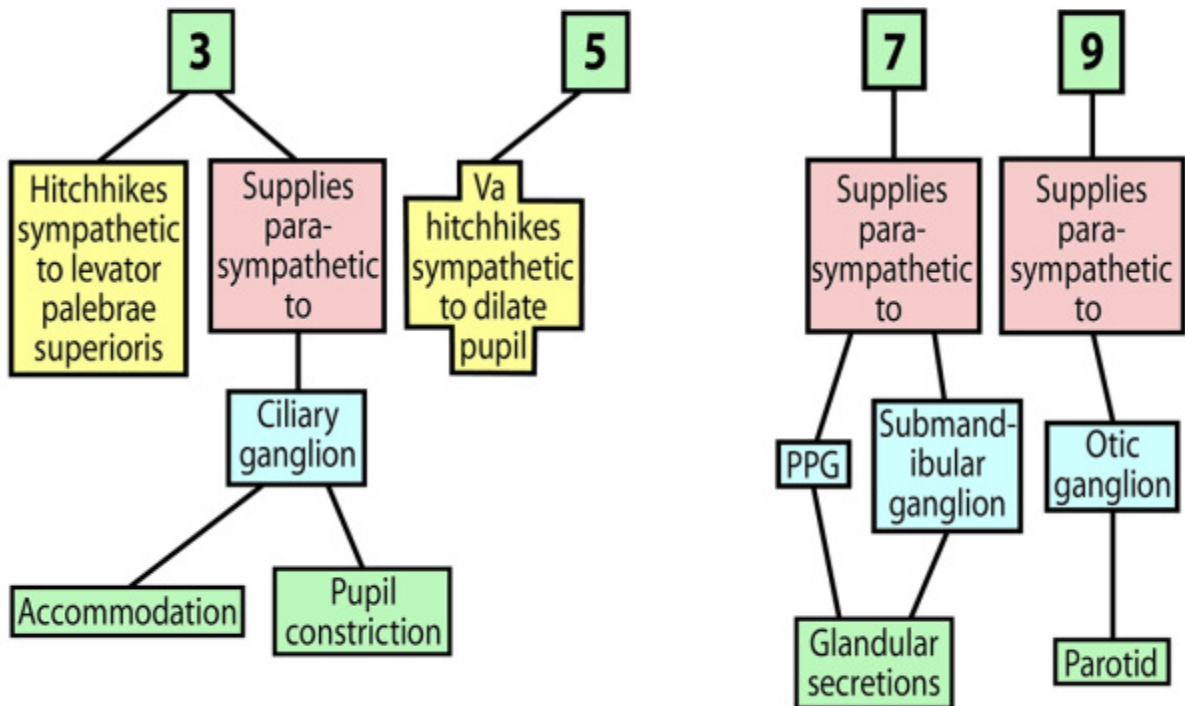


## INVOLVEMENT OF CRANIAL NERVES IN AUTONOMIC DISTRIBUTION





## INVOLVEMENT OF CRANIAL NERVES IN AUTONOMIC DISTRIBUTION



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