



EMC 340 Introduction to Clinical Medicine

35 Cranial Nerves


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Outcomes

Upon completion of this lecture the learner should be able to discuss:


- The role of cranial nerves in the clinical anatomy and physiology of the neurological system.
- Cranial nerve anatomy and function.
- The techniques of the CN exam.
- A more detailed exam and interpretation to follow (skill sheet)



Neurological System


Anatomy

- CNS
 - [Brain](#)
 - [Lobes](#)
- PNS
 - CN
 - Peripheral nerves
 - Dermatomes
 - Extremity nerves



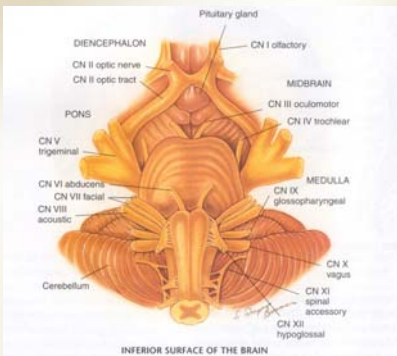
Brief Neurologic Exam

- Components
 - Mental status
 - Cranial nerves
 - Reflexes
 - Motor system (and sensory)
 - Coordination




Cranial Nerves

[\(skill sheet\)](#)




INFERIOR SURFACE OF THE BRAIN



Cranial Nerves

• CN	I	O	S
• CN	II	O	S
• CN	III	O	M
• CN	IV	T	M
• CN	V	T	B
• CN	VI	A	M
• CN	VII	F	B
• CN	VIII	A	S
• CN	IX	G	B
• CN	X	V	B
• CN	XI	S	M
• CN	XII	H	M



Techniques Of Exam

- II, III, IV, VI and VIII
- V
- VII
- IX, X and XII
- XI




Neurologic Emergency Screening

PNS

- CN
- Peripheral nerves
 - Dermatomes
 - Extremity nerves

Next lectures:

- Reflexes
- Motor system (and sensory)
- Coordination



Summary

We have reviewed or discussed:

- How the CN play a part in the clinical anatomy and physiology of the neurological system.
- Briefly, the techniques of the more detailed exam with more interpretation to follow.
