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Neuro-card™

«The Neurological Examination»

CEREBRAL FUNCTIONS

GENERAL (Cognition, mental status)

a) **Consciousness** (level of):

orientation: time, person, place.

b) **Behavior**: social, habits, attitude.

c) **Affect (Mood)**: Dysphoria, euphoria, etc.

d) **Thought content**: explain proverb.

e) **Intellectual function**: calc + concentration

f) **Memory**: remote, recent, immediate recall.

g) **Judgement & Insight**: (fire in a theater).

SPECIFIC

a) **Sensory discrimination** (cortical):

(recognizing objects by senses).

Agnosia = Visual, Auditive, Tactile, Body parts.

b) **Cortical Motor Integration**:

Apraxia = failure to execute a designated

action in the absence of paralysis.

c) **Language**:

Aphasia = defective comprehension/formulation

of verbal symbols in absence of confusion.

Expressive (Broca's), Receptive (Wernicke's)

, and Conductive (combined form).

REFLEXES

*check force, asymmetries, speed, strength, clonus.

DTR (grading)

0	= Absent
1+	= Decreased
2+	= Normal
3+	= hyperactive
4+	= hyperactive + clonus

CRANIAL NERVES

- I** **Olfactory**: odors like coffee, tobacco.
- II** **Optic**: visual acuity, fields.
- III** **Oculomotor**: ptosis, ↑up-, ↓down-, ↓inward.
- IV** **Trochlear**: vertical diplopia, hypertropia.
- VI** **Abducens**: inward dev, inability to abduct.
- V** **Trigeminal**: facial sensitivity (3 branches).
Corneal reflex, Motor: clench jaws.
- VII** **Facial**: Motor: ↑eyebrows, close eyes tightly, show teeth, blow out the cheeks.
Sensory: Taste (ant 2/3 tongue)(sweet/salt).
- VIII** **Acoustic**: Cochlear: check hearing
Vestibular: syringing ears with H₂O
- IX** **Glossopharyngeal**: (see vagus)
- X** **Vagus**: Gag reflex (sensory IX, motor X).
Phonation (palate position). Swallowing.
Sensory: taste (post 1/3 of tongue)
- XI** **Spinal Accessory**: muscles SCM + trapezius.
- XII** **Hypoglossal**: tongue movements/strength.

MOTOR SYSTEM

check tone, strength, stiffness, trophism, movs.

Muscle	Strength	(grading)
0 Absent	0%	No movement
1+ Trace	0-5%	trace movement
2+ Poor	6-20%	no mov vs gravity
3+ Fair	21-50%	only resists gravity
4+ Good	51-90%	reduced power
5+ Good	90-100%	normal power

Pupils

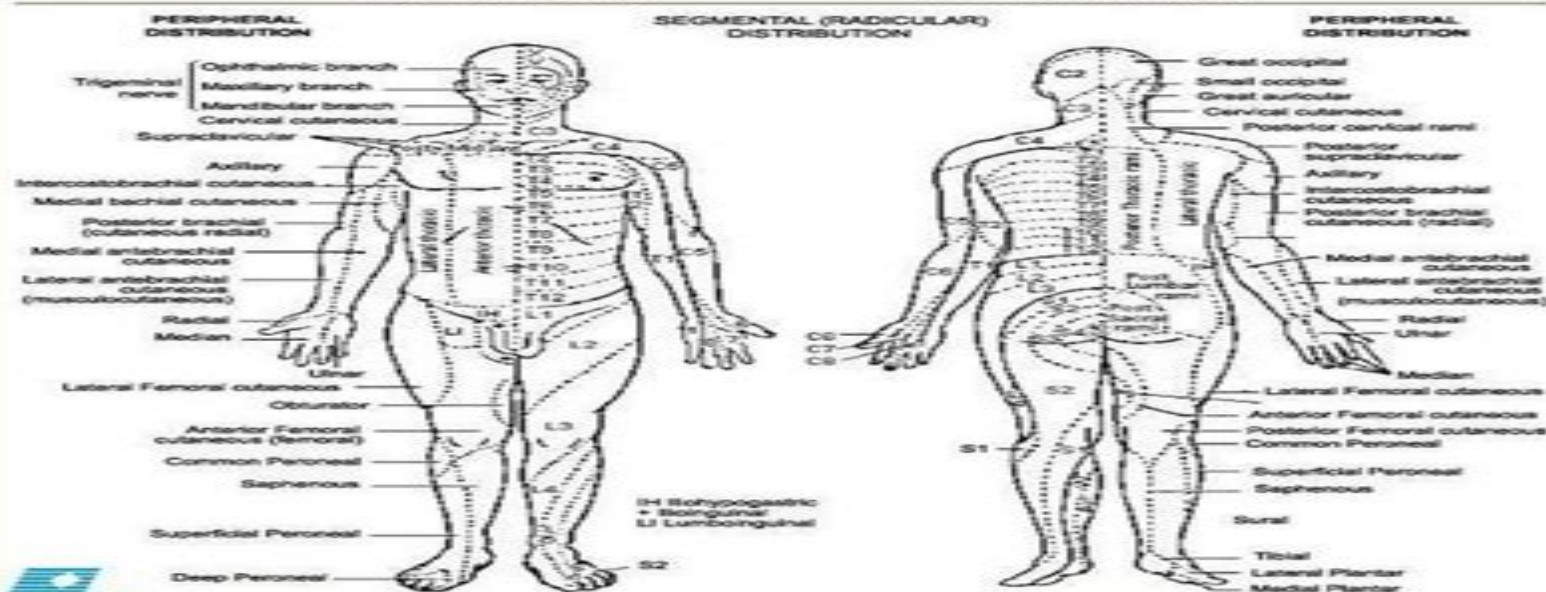
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DERMATOMES

ANTERIOR VIEW

POSTERIOR VIEW



The Neurological Exam

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