


# The Ultimate Guide to Nursing Care Related To The Sensory And Neurological Systems - A Comprehensive Approach



## Neuro-card™

6th ED  
ScyMed.com

### «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).

#### 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 H<sub>2</sub>O

**IX** Glossopharyngeal: (see vagus)

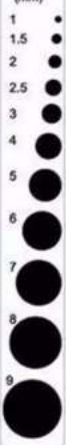
**X** Vagus: Gag reflex (sensory IX, motor X).  
Phonation (palate position). Swallowing.  
Sensory: taste (post 1/3 of tongue)

**XI** Spinal Accessory: muscles SCM + trapezius.

**XII** Hypoglossal: tongue movements/strength.

#### Pupils

Gauge (mm)



#### REFLEXES

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

DTR (grading)	
0	= Absent
1+	= Decreased
2+	= Normal
3+	= hyperactive
4+	= hyperactive + clonus

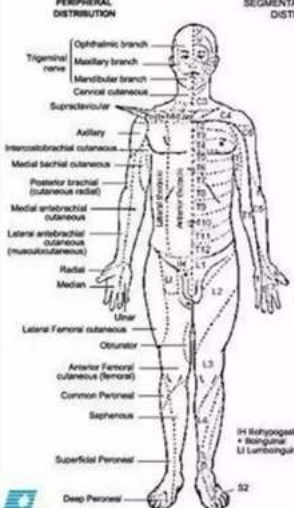
#### MOTOR SYSTEM

check tone, strength, stiffness, trophism, movs.

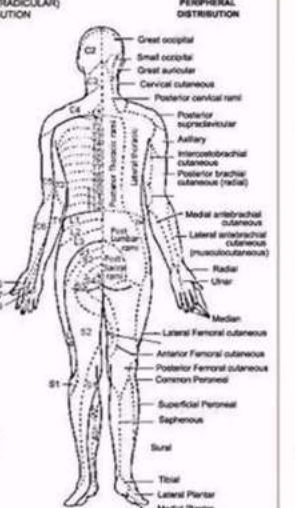
Muscle	Strength	(grading)
0	Absent	0% No movement
1+	Trace	0-5% trace movement
2+	Poor	6-20% no mov vs gravity
3+	Fair	21-50% only resists gravity
4+	Good	51-90% reduced power
5+	Good	90-100% normal power

#### DERMATOMES

##### ANTERIOR VIEW



##### POSTERIOR VIEW



When it comes to providing quality healthcare, nurses play a vital role in ensuring patients receive the best possible care. Nursing care related to the sensory and

neurological systems is particularly critical, as any impairment in these systems can greatly impact a person's quality of life.

## The Importance of Sensory and Neurological Systems

The sensory and neurological systems are closely intertwined and essential for the proper functioning of the human body. These systems enable us to perceive and respond to our environment, maintaining a sense of balance, coordination, and awareness. Any disturbances or disorders in these systems can lead to various health issues, affecting a person's ability to communicate, think, move, and perform daily activities.



### Nursing Care Related to the Sensory and Neurological Systems by IML Training(Kindle Edition)

★★★★★ 5 out of 5

Language : English  
File size : 1113 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 196 pages  
Lending : Enabled



## The Role of Nurses

Nurses are at the forefront of patient care, responsible for assessing, planning, implementing, and evaluating nursing interventions to address sensory and neurological health concerns. They work closely with other healthcare professionals to provide a holistic approach to patient care.

## Nursing Assessment and Diagnosis

Assessing and diagnosing sensory and neurological disorders is a crucial step in providing effective nursing care. Nurses use various assessment tools and techniques to identify impairments or deviations from normal functioning. This may include conducting physical examinations, reviewing medical history, or performing diagnostic tests.

## **Planning and Implementing Nursing Interventions**

Once a nursing diagnosis has been made, nurses develop individualized care plans to address the specific needs of each patient. These care plans may include medication administration, therapeutic exercises, sensory stimulation techniques, or providing assistive devices to enhance independence.

## **Promoting Patient Education and Rehabilitation**

Nurses play a crucial role in educating patients and their families about sensory and neurological disorders, their underlying causes, and available treatment options. Patient education helps promote self-care, disease management, and adherence to prescribed therapies.

## **The Role of Technology in Sensory and Neurological Nursing Care**

Advancements in technology have revolutionized the field of nursing care related to the sensory and neurological systems. From advanced diagnostic tools to innovative assistive devices, technology plays a vital role in providing accurate assessments and improved patient outcomes.

## **The Future of Nursing Care in Sensory and Neurological Health**

As the healthcare industry continues to evolve, so does the role of nurses in providing comprehensive care for patients with sensory and neurological disorders. Nurses are increasingly involved in research, advocacy, and policy

development to improve the overall well-being of individuals affected by these conditions.

Nursing care related to the sensory and neurological systems is a critical component of healthcare. Nurses play a vital role in assessing, planning, implementing, and evaluating interventions to promote optimal patient outcomes. By staying abreast of the latest advancements and continuously refining their skills, nurses can deliver high-quality care to individuals with sensory and neurological impairments. Their dedication and expertise are invaluable in improving the lives of those in need.



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### Nursing Care Related to the Sensory and Neurological Systems

The relationship between the patient and the nursing staff is extremely dynamic and personal. The patient places his trust in the nursing staff and they, in return, must utilize all their knowledge and skills to ensure the patient's well-being and assist in his return to good health and independence. This is accomplished by

developing a therapeutic relationship between the patient, his family, and the health care professionals.

The nursing paraprofessional relates very closely with the patient and his family by virtue of his participation in providing nursing care and his presence at the bedside. It is often the nursing paraprofessional who makes the initial observation that something is not as it should be. Nursing paraprofessionals who are responsible, educated, and observant are assets to the therapeutic environment necessary for patient recovery.

The purpose of this course is to enhance your knowledge of medical surgical nursing care related to the sensory and neurological systems and the role of the nursing paraprofessional in providing that care.

This course is part of our Nursing series.

Includes a questions and answers section at the end of each lesson.

Designed for the Kindle with full illustrations and diagrams included.

Lessons:

- Nursing Care Related to the Sensory System
- Nursing Care Related to the Neurological System



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