



### 3 Visual Field

- Colour vision is tested using Ishihara plates which identify patients who are colour.
- Visual inattention can be tested by moving both fingers at the same time and checking the patient identifies this.

**Accommodation reflex:**  
Ask the patient to focus on a distant object (clock on the wall) (light switch). 2. Place your finger/object approximately 15cm in front of the eyes. 3. Ask the patient to switch from looking at the distant object to the nearby finger/object. 4. Observe see constriction and

### 1 Assessment of visual acuity

- Stand the patient at 6 metres from the Snellen chart.
- If the patient normally uses distance glasses, ensure these are worn for the assessment.
- Ask the patient to cover one eye and read the lowest line they are able to.
- If the patient is unable to read identify the top line at 6 metres.
- Decrease to 3 metres from the Snellen chart if an able to read.
- Decrease to 1 metre from the Snellen chart

**2 Color**

**4 Pupillary reflexes**

- Move the pen torch rapidly between the two pupils, shining the light for three seconds in each eye.
- Direct pupillary reflex (afferent CN II)** Shine a light into the pupil and observe constriction of that pupil.

### Nerve Card

**NUMBER OF NERVE: II**

**CLASSIFICATION:**  
Sensory

**FUNCTIONS:**

- Vision (acuity and field of vision)
- Pupil reactivity to light and

**THE OPTIC NERVE IS TESTED IN FIVE WAYS:**

- Acuity
- Color
- Fields
- Reflexes
- Funduscopy

### 4 Pupillary reflexes

**Direct pupillary reflex**

**Swinging light test**

**Accommodation reflex**

### 5 Funduscopy

Know more about Funduscopy Test

### The Optic Nerves -II

Optic nerve  
Optic chiasm (X)  
Optic tract  
Lateral geniculate nucleus of thalamus  
Optic chiasm  
Optic tract  
Lateral geniculate nucleus of thalamus  
Optic chiasm  
Optic tract

Optic Nerve  
Optic Chiasm  
Optic Tract  
Lateral Geniculate Nucleus  
Optic Tract  
Optic Chiasm  
Optic Nerve

Course coordinator / Dr. Amal Ahmed

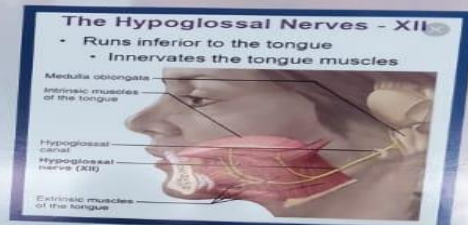








## Cranial Nerve Examination (Accessory and Hypoglossal)



**Major function of spinal accessory**  
 -shoulder movement  
 -head rotation

**Major function of hypoglossal**  
 -tongue movement

**How to test accessory nerve ?**  
 -Ask patient to shrug shoulders and resist you pushing down

**How to test hypoglossal nerve ?**  
 -Ask patient to protrude tongue -any deviation?  
 (Deviates towards side of lesion)



-Ask patient to turn head to one side and resist you pushing it to the other

-Place your finger on the patient's cheek and ask to push their tongue against it -assess power



**Under supervision**

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 Dr / Asmaa Gamal  
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**Prepared by G1 ,G2**



### The Glossopharyngeal Nerve (IX)

**Function of Glossopharyngeal nerve :**  
The glossopharyngeal nerve is associated with taste, swallowing, gagging, vomiting, speech, tonsils, and blood flow to the brain and middle ear.

**Modality Mixed.**

**Function of vagus :**  
Gagging and swallowing, speech (phonation).

### Cranial nerve examination (Glossopharyngeal nerve & Vagus nerve)

**Group F1 F2**  
**Under Supervision**  
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**How to test..?**  
- Assess soft palate and uvula.  
- Symmetry, ask for obvious deviation of the uvula.

**Ask patient to:**  
- Say "ah"  
- Close eyes and touch tip of nose to tip of nose.  
- Close eyes and touch tip of nose to tip of nose.

**Cranial Nerve IX and X**  
Major function of spinal accessory: head rotation.  
How to test accessory nerve?  
- Ask patient to turn head and neck to the right and left.  
- Ask patient to turn head and neck to the right and left.

**Prepared by G1**

### Vestibulocochlear nerve (VIII)

**Name of nerve: Vestibulocochlear nerve (VIII)**  
**Modality: Sensory**

**Function: Hearing Equilibrium**  
It communicate sound and equilibrium information from the inner ear to the brain.

**Hearing Test:**  
- Rinne's test: Place a vibrating tuning fork on the patient's mastoid process until the sound is no longer heard.

**Weber's test:**  
- Place the tuning fork between the two ears to determine if the sound is louder in one ear than the other.

**Rinne's test:**  
- Place a vibrating tuning fork on the patient's mastoid process until the sound is no longer heard.

**Weber's test:**  
- Place the tuning fork between the two ears to determine if the sound is louder in one ear than the other.

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### Cranial Nerve: olfactory Nerve I and facial nerve VII

**Olfactory Nerve I:**  
Classification: It's a sensory nerve.

**Olfactory nerve:**  
Classification: It is a Sensory nerve.  
Function: That function for sense of smell & functions to bring sensory information from the olfactory receptors in the nasal cavity to the brain.

**Facial Nerve VII:**  
Classification: It's a mixed Nerve. The 7<sup>th</sup> cranial Nerve.

**Facial Nerve:**  
Function: Controls the motor function of the face and the ability to taste the reaction of the jaw to salty, sour, and bitter. The tasteless taste receptors control the salivary secretion the normal process to taste food.

**The Test of Olfactory Nerve:**  
The olfactory nerve (CN I) is simply tested by offering something familiar for the patient to smell and identify, for example: orange, lemon, pine, coffee, or vanilla.

**The Test of Facial Nerve:**  
- Close eyes and touch tip of nose to tip of nose.  
- Close eyes and touch tip of nose to tip of nose.

**Correct Positioning for Stroke Patient**  
- Living Position  
- Lying Position

**Seizures:**  
Care of Seizure  
Nursing Care During Seizure:  
1. ABCs of life support.  
2. Position the patient in comfortable lying position.  
3. Loosen the person's head.  
4. Do not restrain, to prevent injuries.  
5. Place the head ends of the bed, don't rock.  
6. Do not put anything in the mouth.  
7. IV access should be secured.  
8. Position of O2 mask be provided.  
9. Stay with the patient to ensure safety.  
10. Monitor respiratory function with ongoing pulse oximetry.

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Mansoura University Faculty of Nursing Medical Surgical Nursing Department 2022-2021

## Nursing Care Before Seizure:

Assess your patient for Signs and Symptoms of Seizure such as :

- Temporary confusion
- Warning spell
- Uncontrollable jerking movement of hand and leg
- Loss of consciousness or awareness
- Headache if the person is wearing dentures
- Recent trauma

Primary motor cortex (precentral gyrus)  
Posterior limb of internal capsule  
Corticobulbar tract  
Motor nucleus of VII (facial)

## Care of Seizure

### Nursing Care During Seizure :

1. ABC's of life support.
2. Position the patient in comfortable lying down.
3. Caution the person's head
4. Loosen tight clothing
5. Guide the movements to prevent injuries.
6. Raise the side rails of the bed, don't restrict the patient.
7. IV access should be secured
8. Suction and O2 must be available
9. Stay with the patient.
10. Monitor respiratory function with ongoing pulse oximetry.

## Nursing Care After Seizure:

- 1) Assess the patient for respirations, a pulse, temperature and blood pressure.
- 2) maintaining a patent air way is open if it obstructed should be insert an oral airway and use suction to remove secretions.
- 3) wipe off the excess saliva; To prevent saliva from obstructing the airway.
- 4) Gently place the victim in the recovery position when it ended.
- 5) Calmly reassure the patient.
- 6) On awakening, orient patient to what has occurred
- 7) Stay with the patient until he regains consciousness.
- 8) Gently check the patient's mouth after the seizure ends.
- 9) If breathing is difficult after the seizure stops, urgently call an ambulance.
- 10) When seizure lasts longer than two minutes, or they lose consciousness and it does not come back, call ambulance.

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## Correct Positioning For Stroke Patient

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Prepared By: Group L14L2

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**Lying Position**

- Correct positioning to prevent shoulder abduction
- prone position with pillow support
- Lying on unaffected side
- Lying on affected side
- Lying on the back

**Sitting position**

- pillow Supporting Weak Leg
- Lumbar (Back) Support
- Pillow Supporting Weak Arm
- Sitting Up in Bed
- Proper Position

## DESCAROTOMY

Mansoura University Faculty of Nursing

**Definition:** Surgical Incision Used to Treat Full-Thickness (Third-degree) Circumferential Burn

**Role of Nine Child**

- 18% Head
- 9% Arm
- 1% Genital Area
- 18% Front torso
- 18% Back torso
- 14% Leg
- 18% Anterior Trunk
- 18% Posterior Trunk

**Purpose:** Release Pressure, Improve Circulation, Combat Burn-Induced Infection Syndrome

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**Under supervision:** Dr. Wedad Shaban, Dr. Sara Alshaban

**Department:** Prof. Dr. Mohamed Shehry

**Prescribed Antimicrobial Agents:** (sterile apron)

**Sterile Dressing and Sterile Gauze**

**STEPS OF BURN WOUND CARE**





Mansoura University  
Faculty of Nursing  
Medical Surgical Nursing department  
2021/2022

# Cranial nerves



Ask the patient to report any double vision



Hold your finger 30cm in front of Patient's eyes  
Ask to Look at



Ask the P.T to keep Head Still, follow your finger with their eyes



Observe for restriction of eye movement



Move your finger through the various axes of eye movement "H" shape



**Oculomotor (III) nerve:**  
Classification as Motor  
Eyelid elevation pupil size and reactivity



**Trochlear (IV), Abducens (VI):**  
nerve, Motor nerves, trochlear turns eye downward and laterally, abducens turns eye laterally

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Medical surgical department  
2022-2021

## Rehabilitation for stroke patient



The aim from patient rehabilitation:

1. To restore lost abilities as much as possible
2. To prevent stroke-related complications
3. To improve the patient's quality of life
4. To educate the patient and family about how to prevent recurrent strokes
5. Promote re-integration into family, home, work, leisure and Community activities.

Physical Therapy for stroke patient include:

1. Range Of Motion (ROM) Exercises
2. Muscle Strengthening Exercises

### Range Of Motion (ROM) Exercises



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## Muscle Strengthening Exercise

neofect

### Resistance Exercises for Strengthening Muscles





Mansoura University  
Faculty of Nursing  
Medical Surgical Nursing department



# Immobility Complications



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